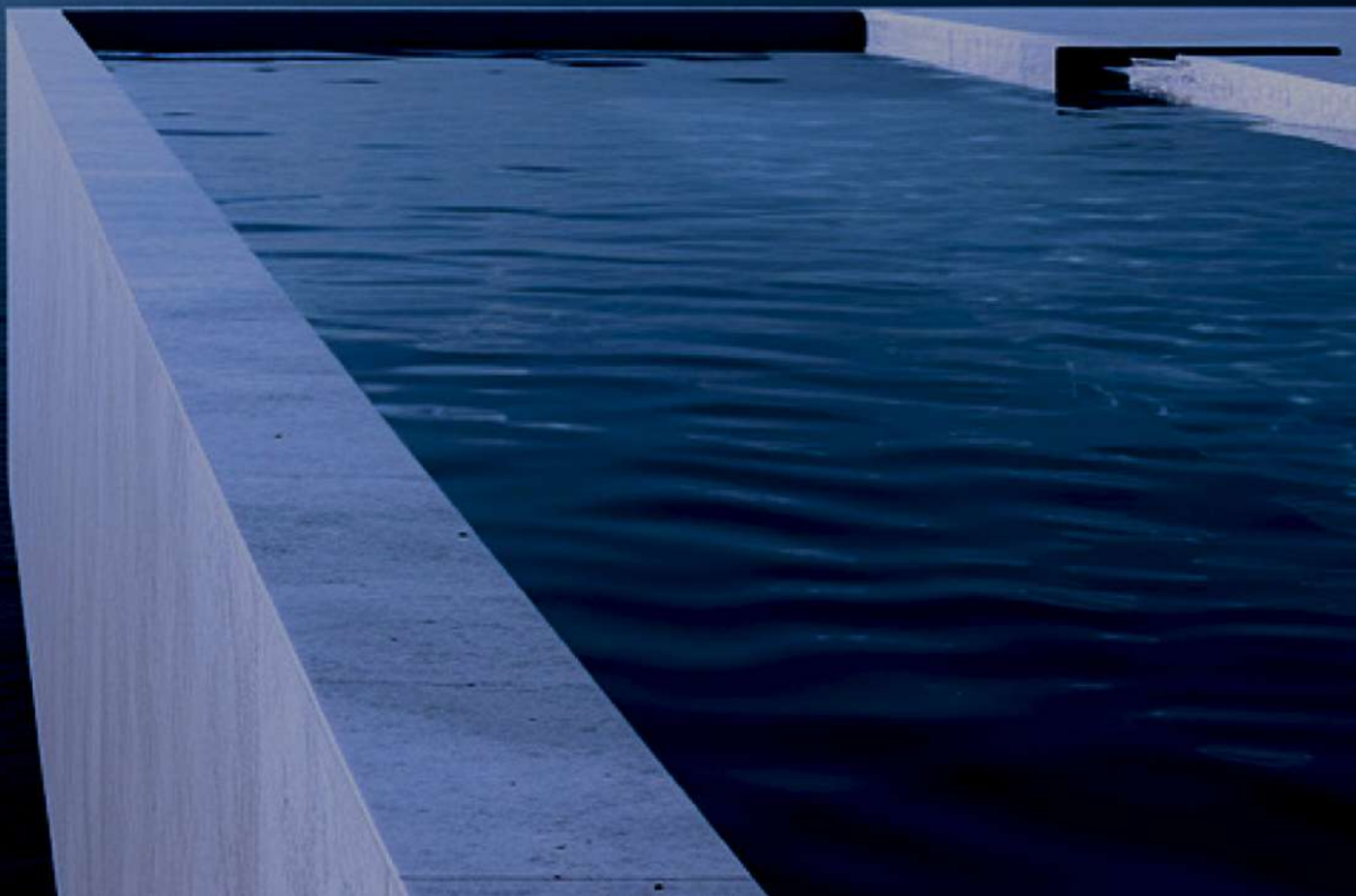




POOLS & FOUNTAINS
EQUIPMENT & ACCESSORIES
2025 CATALOGUE





“The more drops of
clean water, the more
the world will shine in
beauty”

Mother Teresa of Calcutta

MISSION

Through our production attitude, our technical skill and our knowledge in all water treatment sectors, we want to put ourselves to our customers as a partner offering high quality, strong innovation, right process and a dedicated service

ABOUT US

Born in 1974 with water treatment component moulding, Aqua Industrial Group S.p.A. always kept an inner politic very careful to customer's needs, always looking at European and International scenario. Starting from a little family business, today Aqua Industrial Group S.p.A. in its San Martino in Rio Headquarters counts an area of 7,000 square meters in buildings, 4,000 hosting production departments and 3,000 for goods moving and stocking. 4,000 more are under construction to host new departments.

Two factors distinguished the work of the society in recent years, a strong attention to changing markets and a company policy aimed at the development of commercial structures in areas considered strategic for logistical and market potential. A very important has been the expertise in identifying, acquiring and integrating complementary businesses with their own, which

enabled the Group to achieve significant synergies by consolidating its market leadership.

The Aqua Industrial Group S.p.A is now an international reality that owes its strength and its success to the work and commitment of many people.

The breadth of scope and diversification of product lines with the right mix of flexibility and speed have helped over the years to achieve a real competitive advantage.

Aqua Industrial Group S.p.A. markets its products in approximately 110 countries worldwide, employs 11 sales branches all directly controlled. In countries where Aqua is not present with their own subsidiaries, distribution is via independent distributors

ETHICS

When we decided water would be the focus of our business, it was clear we had only to do it with dedication, absolutely and honesty. With the awareness of who can only consider his work as part of a collective good, a huge responsibility and synergy.

It's with this spirit that the group Aqua always faces the small and the large daily challenges. It's this awareness that prompts us to follow certain absolute moral principles, in relations within the company and with suppliers and external customers.

Some of these shared principles can be summarised as respect, defines as transparency, understanding and sincerity.

MOTIVATION, we believe that the involvement of all the different stages of processing, leading to an affection towards the company and its work, and consequently increase the spirit of initiative and sense of responsibility.

In CURIOSITY, it's the most precious asset we have. It is the spirit that animated many years ago this adventure. And it's the best treatment that we know against monotony.

ENVIRONMENT AND QUALITY

Planet earth consists of approximately 75% of water, more than any other factor that affects human life. Without water, life would not exist. The philosophy of our company is to improve our knowledge on management, resources and how to preserve this gift for years to come. AQUA exists within a group of experts that 50+ years have embraced this philosophy.

All Aqua products are designed and produced in accordance with global rules in health and environment protection. Only the best raw materials are used in our production and every product is fully tested before being delivered.

Our company has certified its quality system in compliance with UNI EN ISO 9001:2008 normative.

OUR SERVICES

The Aqua Industrial Group S.P.A is now an international powerhouse that owes its success and strengths to the hard work, commitment, and passion of all our people. The extensive scope and diversity of our product lines, combined with flexibility and speed of service, have helped us achieve a real competitive advantage locally and globally.

At present, we are marketing our products in approximately 100 countries and directly managing 8 sales branches. In countries where we do not have subsidiaries, the distribution of our products and services is entrusted to carefully selected independent distributors.



**An Italian company,
serving clients
around the world
from our offices:**

- 📍 ITALY
- 📍 GREAT BRITAIN
- 📍 SPAIN
- 📍 TURKEY
- 📍 UAE
- 📍 INDIA

- 📍 RUSSIA
- 📍 EGYPT
- 📍 POLAND
- 📍 PORTUGAL
- 📍 BELGIUM



HEADQUARTERS

Aqua Industrial Group S.p.A. now boasts of a headquarters in San Martino in Rio, with an area of 7,000 square metres, 4,000 of which are dedicated to production facilities and 3,000 for moving and stocking goods. Another 4,000 is under construction to host new departments.

We are Industry & Innovation

7 PRODUCTION PLANTS

500K + FT² AREA

11 SUBSIDIARIES

110 + COUNTRIES

250 + EMPLOYEES

7422 + FINISHED PRODUCT CODES

PRODUCTION DISTRICTS

- S. MARTINO IN RIO (RE) - RIETI
- BANGALORE IND



Industrial
power

We've a Special Future

NEGRI BOSSI
VH1450 -17000
BI-POWER
39

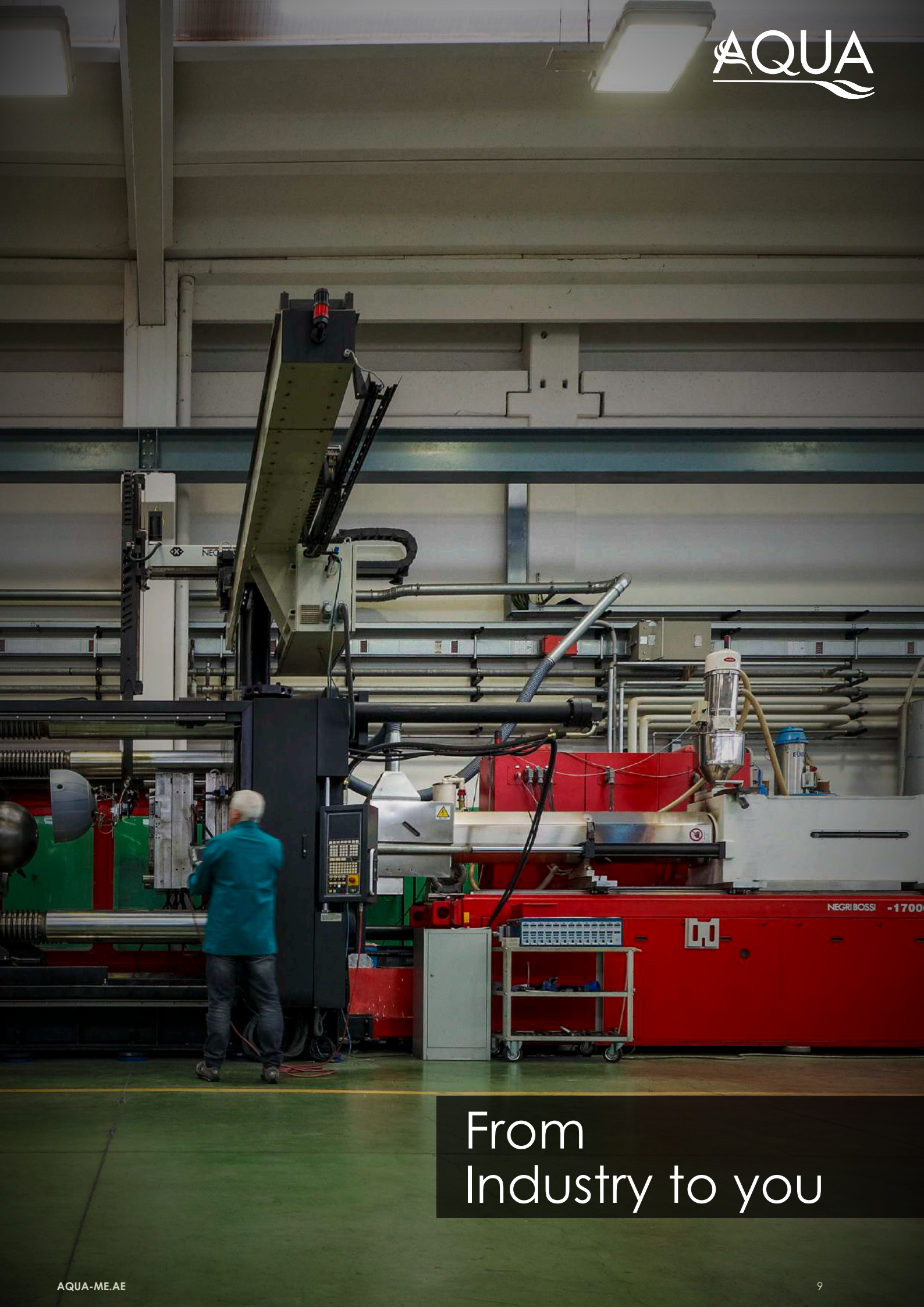
800 + PROPERTY MOULDS

25 INJECTION MOLDING
MACHINES

2 ROBOTIC SYSTEMS
OPERATING 24/7

20 AUTOMATIC
WINDING FILTER
CARTRIDGE MACHINES

2 WELDING MACHINES
FOR THE PRODUCTION
OF TANKS AND FILTERS



From
Industry to you

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01 POOL FILTRATION

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01 | INJECTED SAND FILTERS "AQUARIUS" TOP VALVE

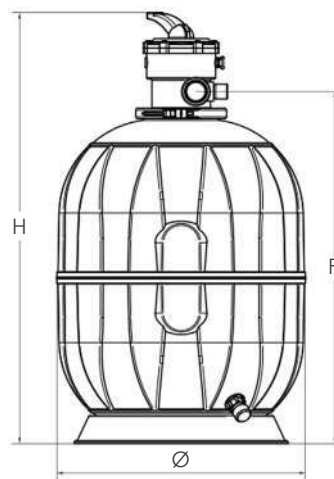
✓ Technical features

A 6-way multiport, top valve sand filter promoting clean water, simple operation and easy maintenance

- Top mounted selector with 6 easy operations for maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Injection molded polypropylene tank with a polished and glazed finish
- Micro-hole pipe distribution/drainage system
- Supporting base for guaranteed stability
- Filter valve connection with clamping collar
- Connection: Ø 50mm (1½ inch)
- Filter discharge: ¾ inch
- Operating temperature: 5 - 40°C
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- Standard: UNI 1063722006 regulation for TYPE D category
- Warranty: 5 years on filter body



📏 Dimensions



🔍 Models

CODE	Ø mm	CONNECTIONS	FLOW	QUARTZ SAND	DIMENSIONS mm		PACKING	WEIGHT	VOLUME
			(m³/h) V=50m³/h/m²		F	H		kg	m³
100100968	450	1½"	6	75	600	775	2	11	0.13
100100971	530	1½"	10	100	756	925	2	17	0.21
100100974	620	1½"	14	150	792	960	2	20	0.31
100101270	700	1½"	19	200	868	1066	2	21	0.43

02 | INJECTED SAND FILTERS "AQUARIUS" SIDE VALVE

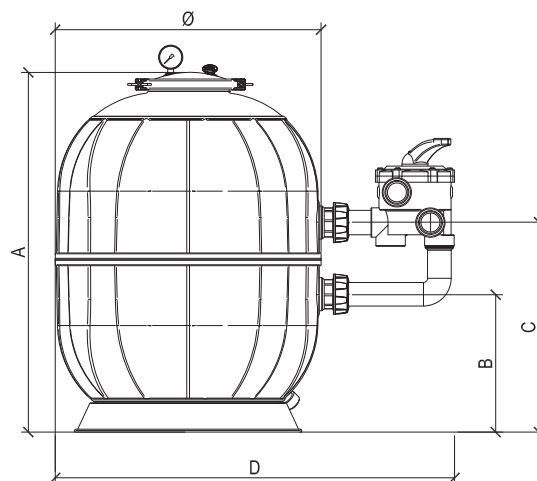
✓ Technical features

A 6-way multiport, side valve sand filter for debris free water and easy maintenance.

- Side mounted selector with 6 easy operations for maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Injection molded polypropylene tank with a polished and glazed finish
- Supporting base to ensure stability
- Lid with built-in pressure gauge for easy inspection
- Clamps and butterfly valves for secure seal
- Anti-slip grip and nozzles to ease the maintenance operation
- Micro-hole pipe distribution/drainage system
- Connections Ø 50mm (1½ inch) / Ø 63mm (2 inch)
- Filter discharge: 3/4"
- Operating temperature: 5 - 40°C
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- Standard: UNI 1063722006 regulation for TYPE D category
- Warranty: 5 years on filter body



Dimensions



Q Models

CODE	Ø	CONNECTIONS	FLOW	QUARTZ SAND	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
			(m³/h) V=50m³/h/m²		A	B	C	D		kg	m³
100100967	450	1½"	6	75	645	206	356	716	2	10	0.13
100100970	530	1½"	10	100	795	281	431	730	2	16	0.21
100100973	620	1½"	14	150	830	299	449	820	2	19	0.30
100101250	700	1½"	19	200	847	337	487	960	2	24	0.43
100100988	790	2"	22	250	1010	360	579	1102	2	29	0.61
100100908	950	2"	35	425	1025	370	570	1270	2	37	0.93



03 | FILTRATION SYSTEM "AQUARIUS"

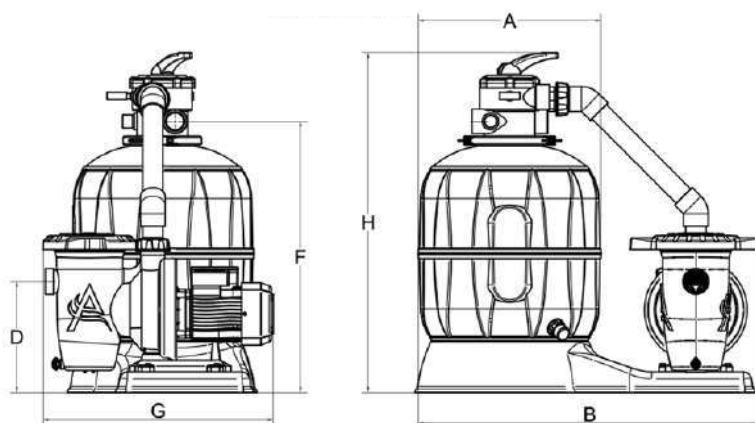
✓ Technical features

An exclusive and unique top valve, multiport sand filter with circulation pump designed with state of the art technology and manufactured using first grade raw materials. Ideal for private pools, spas and above-ground pools with sea and salt chlorinated water.

- 6-way multiport, top mounted selector for easy operation and maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Fully injected, 100% Polypropylene tank for maximum reliability and performance
- Polished and glazed wedge finish
- Strong supporting base with Lipari centrifugal pump and prefilter installed with standard fittings Ø 50mm. (For pump specs, see page 56)
- Micro-hole pipe distribution/drainage system
- Filter valve connection with clamping collar
- Connections: Ø 50mm
- Filter discharge: 3/4"
- Maximum operating pressure: 1.5 bar, Test pressure: 4 bar
- Standard: UNI 10637:2006 regulation for TYPE D categories
- Warranty: 5 years on filter body



Dimensions



Q Models

CODE	TYPE	POWER		IN-OUT	FLOW (m³/h) V=50m³/h/ m²	QUARTZ SAND kg	FILTRATION AREA m²	DIMENSIONS mm						PACKING	WEIGHT kg	VOL- UME m³
		HP	kW					A	H	B	D	F	G			
100100977	Top	0.50	0.37	DN50	6	75	0.12	450	835	830	275	665	570	1	20	0.32
100100978	Top	0.75	0.55	DN50	10	100	0.20	530	985	870	275	815	570	1	25	0.46
100100979	Top	1	0.75	DN50	14	150	0.28	620	1020	915	275	855	570	1	30	0.57

04 | BOBIN-WOUND SAND FILTER "MUNICH'N

✓ Technical features

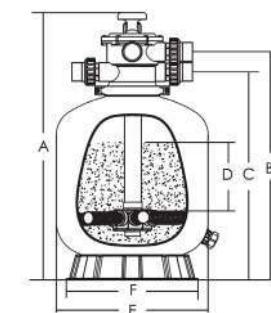
Bobbin-wound, reinforced fibreglass sand filter with 6-way multiport top or side mounted valves and a UV-resistant surface to resist extreme weather conditions. For residential and commercial pools.

- 6-way multiport, top or side mounted selector for easy operation and maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Complete with pressure gauge, manual air release and water purge valves
- Fitted with UPVC collector arms and diffuser
- Top mount 'MU' series includes closure and screw
- Side mount 'MU' series (450, 550, 600 and 700) includes glass top cover, seal clamps and butterfly valve
- Side mount 'MU' series (800 and 900) includes top cover made from ABS and Polycarbonate with side screw closure valve
- Side mount 'MU' series (1000 and 1200) includes top cover and center clamp closure valve
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- Warranty: 5 years on filter body

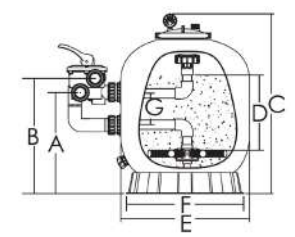


Dimensions

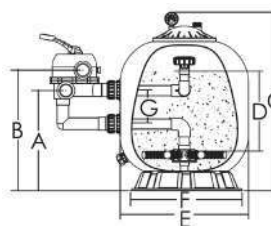
CODE	DIMENSIONS mm						
	A	B	C	D	E	F	G
MU-450N-VT	814	698	638	210	450	390	-
MU-550N-VT	845	730	670	235	550	500	-
MU-650N-VT	950	835	775	300	650	500	-
MU-700N-VT	1020	905	845	330	700	500	-
MU-450N-VS	360	420	730	210	450	390	125
MU-550N-VS	390	450	770	235	550	500	125
MU-650N-VS	430	390	850	235	650	500	125
MU-700N-VS	450	510	960	330	700	500	125
MU-800N-VS	560	646	1050	425	800	780	220
MU-900N-VS	610	696	1180	480	900	780	220
MU-1000N-VS	700	770	1220	580	1000	780	220
MU-1200N-VS	820	1005	1410	740	1200	1000	220



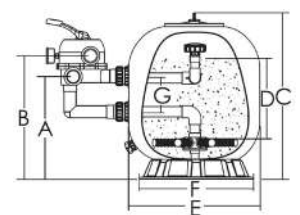
MU-450N-VT / 550 / 650 / 700



MU-450N-VS / 550 / 650 / 700



MU-800N-VS/900



MU-1000N-VS/1200

Q Models

CODE	TYPE	Ø mm	CONNECTIONS	FLOW	QUARTZ SAND kg	FILTER AREA m²	PACKING	WEIGHT kg	VOLUME m³
				(m³/h) V=50m³/h/m²					
MU-450N-VT	Top	450	1.5"	8	50	0.16	2	16.5	0.19
MU-550N-VT	Top	550	1.5"	10	100	0.22	2	21.1	0.23
MU-650N-VT	Top	650	1.5"	16	150	0.32	2	24.3	0.38
MU-700N-VT	Top	700	1.5"	19	225	0.40	2	26.5	0.34
MU-450N-VS	Side	450	1.5"	8	50	0.16	2	16.5	0.19
MU-550N-VS	Side	550	1.5"	10	100	0.22	2	21.1	0.23
MU-650N-VS	Side	650	1.5"	16	150	0.32	2	24.3	0.38
MU-700N-VS	Side	700	1.5"	19	225	0.40	2	33	0.45
MU-800N-VS	Side	800	2"	25	350	0.53	2	41.5	0.67
MU-900N-VS	Side	900	2"	30	475	0.66	2	52.3	0.95
MU-1000N-VS	Side	1000	2.5"	40	625	0.82	2	115	1.84
MU-1200N-VS	Side	1200	3"	56	875	1.13	2	124	2.32



05 | BLOW-MOLDED FILTERS "EC3000"

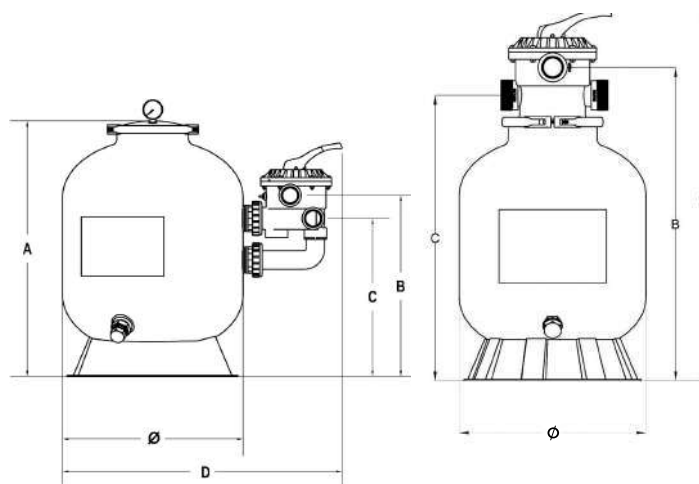
✓ Technical features

A durable and rigid one-piece blow-molded sand filter available with top or side mounted valves for easy access and simple maintenance.

- 6-way multiport, top or side mounted selector for easy operation and maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Manufactured in High-Density Polyethylene (PE-HD)
- Yellow matt finish
- Supporting base for ensure maximum stability
- Includes pressure gauge, manual air vent and water purge valves
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- Warranty: 5 years on filter body



Dimensions



Models

CODE	TYPE	Ø mm	FLOW	QUARTZ SAND	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
			(m³/h) V=50m³/h/m²		A	B	C	D		kg	m³
FRL-400	Side	400	6	50	580	430	355	676	2	8.00	0.12
FRL-500	Side	500	9	75	680	490	430	755	2	10.50	0.22
FRL-600	Side	600	14	100	880	630	560	880	2	14.00	0.37
FTS-400	Top	400	6	50	810	685	624	676	2	8.00	0.12
FTS-500	Top	500	9	75	913	788	727	755	2	10.50	0.22
FTS-600	Top	600	14	100	1108	982	921	880	2	14.00	0.37

06 | OCEAN GELCOAT FILTERS

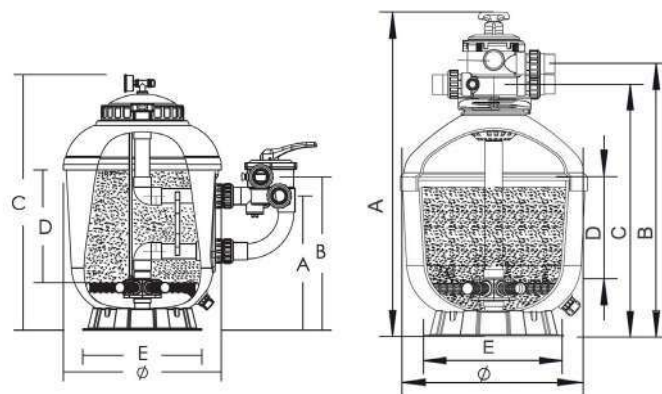
✓ Technical features

A lateral flow, top or side mounted valve sand filter to promote clean, debris free water and low maintenance operation.

- 6-way multiport, top or side mounted selector for easy maintenance (Filtration, backwash, rinsing, waste, circulation and lock).
- Clamp / bolt style fixtures for easy access
- Non-corrosive, gelcoat fibreglass tank with a smooth, grey finish
- ABS thermoplastic polymer lateral flow system
- Includes universal 'standard union' connection and built-in pressure gauge
- OC-TOP model includes transparent lid providing clear view of filter media and an air release valve to remove any accumulated air inside the tank
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- Warranty: 5 years on filter body



Dimensions



SIDE-S
OC-500-S / OC-650-S OC-
750-S / OC-900-S

TOP-T
OC-500-T / OC-650-T

Q Models

CODE	Ø mm	TYPE	CONNECTIONS	FLOW	QUARTZ SAND	DIMENSIONS mm					PACKING	WEIGHT	VOLUME
				(m³/h) V=50m³/h/m²		A	B	C	D	E		kg	m³
OC-500-T	500	Top	1.5"	10	100	886	750	693	286	390	2	16.6	0.25
OC-650-T	650	Top	1.5"	16	150	998	862	805	318	500	2	28	0.45
OC-500-S	500	Side	1.5"	10	100	438	501	835	360	390	2	18.3	0.21
OC-650-S	650	Side	1.5"	16	150	453	516	926	380	390	2	24.5	0.38
OC-750-S	750	Side	2"	22	250	517	603	1023	440	500	2	38	0.55
OC-900-S	900	Side	2"	30	375	570	656	1163	480	780	2	57.8	0.90



07 | VERTICAL BOBBINED FILTERS

✓ Technical features

A vertical, bobbin-wound sand filter available in lateral or nozzle plate systems for air scouring capabilities

- Bobbin-wound fiberglass construction reinforced with polyester resin
- Vertical cylinder tank with multiple layer construction for anti-corrosive and chemical protection
- UV resistant - Suitable for operation under prolonged sunlight
- Optional accessories include sight glass, manhole and air purge valve
- Maximum filtration Velocity : 50m³/h/m²
- Maximum operating pressure: 2.5 or 4 bar (Test pressure: 4 or 6 bar)
- Warranty: 5 years on filter body
- Manifold and valves are not included



📐 Dimensions

FEATURES



Nozzles System



Lateral System

Working pressure:
2.5kg/cm² or 4 kg/cm²

Test pressure:
4 kg/cm² or 6 kg/cm²



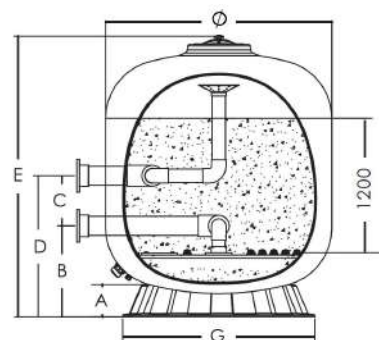
Air Purge



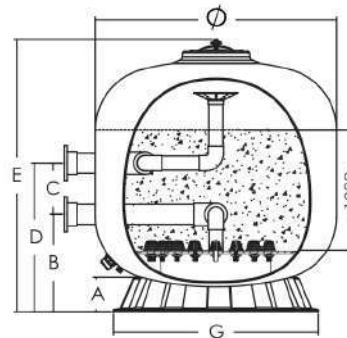
Mannhole



Sight Glass



FBH-1200 TO FBH-2500



FB-1200 TO FB-2500

🔍 Models

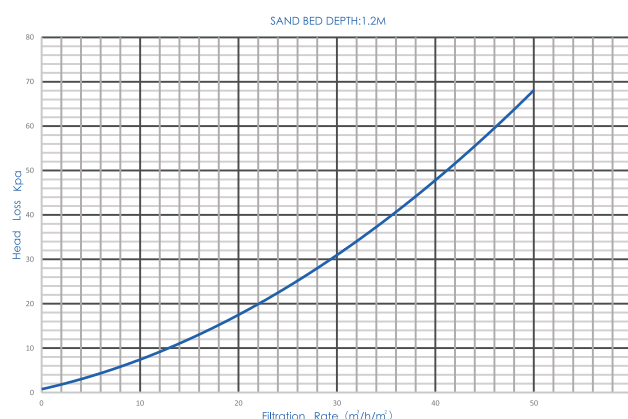
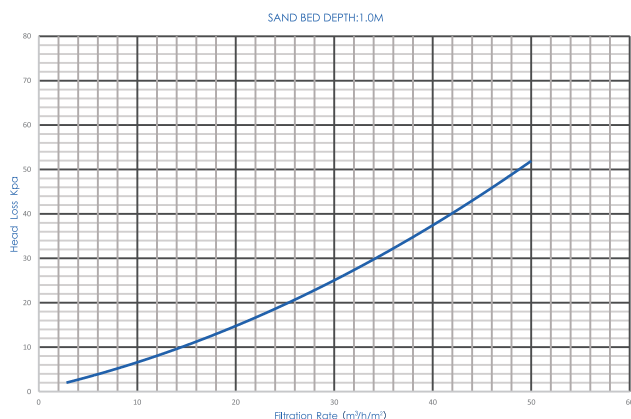
MODEL	Ø mm	QUARTZ SAND	DIMENSIONS mm					
		kg	A	B	C	D	E	G
FB-1200	1200	1200	170	565	350	915	1410	1000
FB-1400	1400	1800	190	565	350	915	1570	1220
FB-1600	1600	3000	200	350	350	1000	1740	1365
FB-1800	1800	3800	220	690	415	1105	2040	1630
FB-2000	2000	5100	220	770	415	1185	2210	1630
FB-2200	2200	7600	230	950	550	1500	2510	1800
FB-2500	2500	8500	230	1050	550	1600	2670	1800
FBH-1200	1200	2800	170	665	350	1015	2080	995
FBH-1400	1400	2700	190	675	350	1025	2175	1220
FBH-1600	1600	3600	200	775	350	1125	2310	1365
FBH-1800	1800	4100	220	780	415	1195	2320	1630
FBH-2000	2000	5400	220	865	415	1280	2460	1630
FBH-2300	2300	9200	230	1060	550	1610	2720	1800
FBH-2500	2500	10400	230	1120	550	1670	2750	1800

Add - Lux end of filter code to be supplied with air purge, Manhole, and sight glass

CODE		CONNECTIONS	FILTER AREA	FLOW	PACKING	WEIGHT	VOLUME
		mm	M ²	(m ³ /h) V=50m ³ /h/m ²		kg	m ³
FB-1200-2.5-LAT	FB-1200-4-LAT	90	1.13	56.5	1	139	2.26
FB-1400-2.5-LAT	FB-1400-4-LAT	110	1.54	77	1	225	3.25
FB-1600-2.5-LAT	FB-1600-4-LAT	125	2.01	100.5	1	273.5	4.76
FB-1800-2.5-LAT	FB-1800-4-LAT	140	2.54	126	1	412	6.67
FB-2000-2.5-LAT	FB-2000-4-LAT	160	3.14	148.5	1	450	9.03
FB-2200-2.5-LAT	FB-2200-4-LAT	200	3.8	217	1	554	15.02
FB-2500-2.5-LAT	FB-2500-4-LAT	225	4.90	244.5	1	680	21.68
FB-1200-2.5-NOZ	FB-1200-4-NOZ	90	1.13	56.5	1	139	2.26
FB-1400-2.5-NOZ	FB-1400-4-NOZ	110	1.54	77	1	225	3.25
FB-1600-2.5-NOZ	FB-1600-4-NOZ	125	2.01	100.5	1	273.5	4.76
FB-1800-2.5-NOZ	FB-1800-4-NOZ	140	2.54	126	1	412	6.67
FB-2000-2.5-NOZ	FB-2000-4-NOZ	160	3.14	148.5	1	450	9.03
FB-2200-2.5-NOZ	FB-2200-4-NOZ	200	3.8	217	1	554	15.02
FB-2500-2.5-NOZ	FB-2500-4-NOZ	225	4.90	244.5	1	680	21.68
FBH-1200-2.5-LAT	FBH-1200-4-LAT	90	1.13	56.5	1	238	3.35
FBH-1400-2.5-LAT	FBH-1400-4-LAT	110	1.54	77	1	258	4.58
FBH-1600-2.5-LAT	FBH-1600-4-LAT	125	2.06	100.5	1	473	6.20
FBH-1800-2.5-LAT	FBH-1800-4-LAT	140	2.52	126	1	473	7.94
FBH-2000-2.5-LAT	FBH-2000-4-LAT	160	2.97	148.5	1	772	10.38
FBH-2300-2.5-LAT	FBH-2300-4-LAT	200	4.43	217	1	658.5	1621
FBH-2500-2.5-LAT	FBH-2500-4-LAT	225	4.89	244.5	1	760	17.88
FBH-1200-2.5-NOZ	FBH-1200-4-NOZ	90	1.13	56.5	1	238	3.35
FBH-1400-2.5-NOZ	FBH-1400-4-NOZ	110	1.54	77	1	258	4.58
FBH-1600-2.5-NOZ	FBH-1600-4-NOZ	125	2.06	100.5	1	473	6.20
FBH-1800-2.5-NOZ	FBH-1800-4-NOZ	140	2.52	126	1	473	7.94
FBH-2000-2.5-NOZ	FBH-2000-4-NOZ	160	2.97	148.5	1	772	10.38
FBH-2300-2.5-NOZ	FBH-2300-4-NOZ	200	4.43	217	1	658.5	1621
FBH-2500-2.5-NOZ	FBH-2500-4-NOZ	225	4.89	244.5	1	760	17.88



Pressure Drop Curve





08 | HORIZONTAL BOBBINED FILTERS

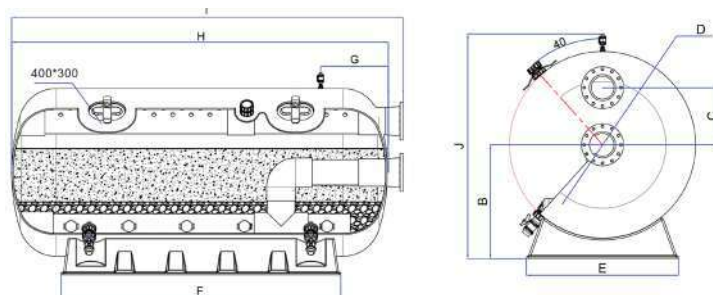
✓ Technical features

A Horizontal, bobbin-wound sand filter available in lateral or nozzle plate systems for air scouring capabilities

- Bobbin-wound fiberglass construction reinforced with polyester resin
- Horizontal cylinder tank with multiple layer construction for anti-corrosive and chemical protection
- UV resistant - Suitable for operation under prolonged sunlight
- Includes built-in service manhole for easy maintenance
- Equipped with a manometer for easy inspection of inlet and outlet working pressure
- Filtration Velocity : 20, 30 or 40m³/h/m²
- Media size: 0.5 - 0.8mm, 1 - 2mm (Recommended)
- Maximum operating pressure: 2.5 or 4 bar, Test pressure: 4 or 6 bar
- Warranty: 5 years on filter body
- Manifold and valves are not included



Dimensions

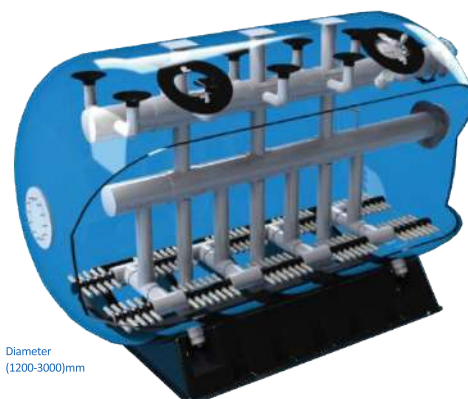
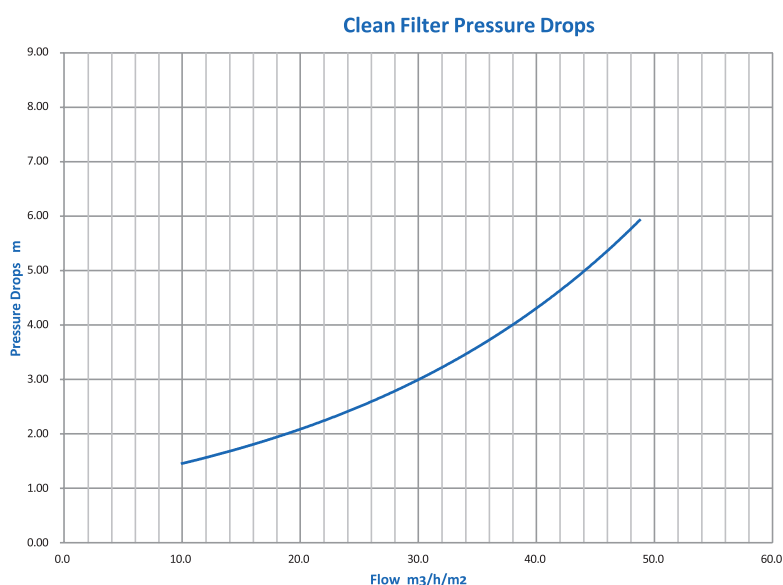


FILTRATION VELOCITY	LENGTH	DIAMETER mm															
		1200		1400		1600		1800		2000		2350		2500		3000	
m ³ /h/m ²	mm	Conn.	Flow	Conn.	Flow	Conn.	Flow	Conn.	Flow	Conn.	Flow	Conn.	Flow	Conn.	Flow	Conn.	Flow
20	1900	110	39	110	45	110	49	-	-	-	-	-	-	-	-	-	-
	2300	110	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2500	110	53	110	60	-	-	-	-	-	-	-	-	-	-	-	-
	2700	110	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3000	110	64	110	73	-	-	-	-	-	-	140	119	-	-	-	-
	3500	-	-	-	-	-	-	-	-	140	125	140	141	140	149	225	180
	4000	-	-	-	-	-	-	140	125	140	144	225	163	225	172	225	208
	4500	-	-	-	-	-	-	-	-	-	-	225	186	225	196	225	236
30	5000	-	-	-	-	-	-	-	-	-	-	225	208	225	220	225	265
	2500	-	-	-	-	150	101	150	112	150	130	-	-	-	-	-	-
	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3000	-	-	140	110	140	123	140	137	140	159	225	178	-	-	-	-
	3500	-	-	-	-	-	-	140	162	140	187	225	212	225	223	250	270
	4000	-	-	-	-	-	-	140	187	140	216	-	-	-	-	250	312
	4500	-	-	-	-	-	-	-	187	140	245	-	-	250	294	250	355
	5000	-	-	-	-	-	-	-	-	-	-	250	312	250	329	250	397
40	1900	140	79	140	89	140	99	-	-	-	-	-	-	-	-	-	-
	2300	140	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2500	140	107	140	121	225	134	200	150	200	174	-	-	-	-	-	-
	2700	140	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3000	140	129	225	147	225	164	200	183	200	212	250	238	-	-	-	-
	3500	-	-	-	-	-	-	250	216	250	250	250	282	250	297	300	360
	4000	-	-	-	-	-	-	250	250	250	288	250	327	250	345	300	416
	4500	-	-	-	-	-	-	-	-	250	326	250	371	300	392	300	473
	5000	-	-	-	-	-	-	-	-	-	-	300	416	300	439	300	530

Models

Ø	CODE		FILTRATION VELOCITY	FILTRA-TION AREA	DIMENSIONS mm										QUARTZ SAND	PACK-ING	WEIGHT	VOLUME
	2.5 BAR	4 BAR	m³/h/m²	M²	B	C	D	E	F	G	H	I	J	kg	kg		m³	
1200	H-4472-2.5	H-4472-4	20	1.96	747	325	1200	1100	1190	650	1900	2030	1500	1525	1	361	4.52	
	H-4473-2.5	H-4473-4	40	1.96	747	325	1200	1100	1190	650	1900	2060	1500	1525	1	435	4.33	
	H-4474-2.5	H-4474-4	20	2.42	747	325	1200	1100	1590	650	2300	2430	1500	1975	1	415	4.98	
	H-4475-2.5	H-4475-4	40	2.42	747	325	1200	1100	1590	650	2300	2460	1500	1975	1	510	5.14	
	H-4476-2.5	H-4476-4	20	2.65	747	325	1200	1100	1790	650	2500	2630	1500	2450	1	435	5.39	
	H-4477-2.5	H-4477-4	40	2.65	747	325	1200	1100	1790	650	2500	2660	1500	2450	1	435	5.54	
	H-4478-2.5	H-4478-4	20	2.87	747	325	1200	1100	1990	650	2700	2830	1500	2900	1	470	6.47	
	H-4479-2.5	H-4479-4	40	2.87	747	325	1200	1100	1990	650	2700	2860	1500	2900	1	565	5.95	
	H-4480-2.5	H-4480-4	20	3.21	747	325	1200	1100	2290	650	3000	3130	1500	3250	1	510	8.21	
	H-4481-2.5	H-4481-4	40	3.21	747	325	1200	1100	2290	650	3000	3160	1500	3250	1	625	6.56	
1400	H-4482-2.5	H-4482-4	20	2.23	847	390	1400	1130	1340	730	1900	2030	1700	2675	1	450	5.47	
	H-4483-2.5	H-4483-4	40	2.23	847	390	1400	1130	1340	730	1900	2060	1700	2675	1	550	5.69	
	H-4484-2.5	H-4484-4	20	3.02	847	390	1400	1130	1840	730	2500	2630	1700	3625	1	550	8.36	
	H-4485-2.5	H-4485-4	40	3.02	847	390	1400	1130	1840	730	2500	2660	1700	3625	1	615	7.39	
	H-4486-2.5	H-4486-4	20	3.67	847	390	1400	1130	2340	730	3000	3130	1700	4450	1	550	10.12	
	H-4487-2.5	H-4487-4	30	3.67	847	390	1400	1130	2340	730	3000	3160	1700	4450	1	575	8.93	
	H-4488-2.5	H-4488-4	40	3.67	847	390	1400	1130	2340	730	3000	3180	1700	4450	1	710	9.01	

Pressure Drop Curve



Sight glass



Lateral system



Manhole



Manometer



Base



Union drain



Air vent valve



Flange



Ø	CODE		FILTRATION VELOCITY	FILTRA- TION AREA	DIMENSIONS mm									QUARTZ SAND	PACK- ING	WEIGHT	VOLUME
	2.5 BAR	4 BAR	m³/h/m²	M²	B	C	D	E	F	G	H	I	J	kg		kg	m³
1600	H-4489-2.5	H-4489-4	20	2.47	945	475	1600	1440	1210	810	1900	2130	1900	3450	1	490	7.84
	H-4490-2.5	H-4490-4	40	2.47	945	475	1600	1440	1210	810	1900	2160	1900	3450	1	615	7.94
	H-4491-2.5	H-4491-4	30	3.36	945	475	1600	1440	1710	810	2500	2660	1900	4725	1	575	9.66
	H-4492-2.5	H-4492-4	40	3.36	945	475	1600	1440	1710	810	2500	2680	1900	4725	1	715	9.73
	H-4493-2.5	H-4493-4	30	4.10	945	475	1600	1440	2210	810	3000	3160	1900	5800	1	670	13.32
	H-4494-2.5	H-4494-4	40	4.10	945	475	1600	1440	2210	810	3000	3180	1900	5800	1	825	11.59
1800	H-4495-2.5	H-4495-4	30	3.74	1100	550	1800	1380	1560	850	2500	2660	2170	5825	1	650	12.26
	H-4496-2.5	H-4496-4	40	3.74	1100	550	1800	1380	1560	850	2500	2680	2170	5825	1	860	12.53
	H-4497-2.5	H-4497-4	30	4.58	1100	550	1800	1380	2060	850	3000	3160	2170	7150	1	790	15.22
	H-4498-2.5	H-4498-4	40	4.58	1100	550	1800	1380	2060	850	3000	3180	2170	7150	1	980	15.31
	H-4499-2.5	H-4499-4	30	5.41	1100	550	1800	1380	2060	850	3500	3680	2170	8475	1	890	17.46
	H-4500-2.5	H-4500-4	40	5.41	1100	550	1800	1380	2560	850	3500	3680	2170	8475	1	1100	17.54
	H-4501-2.5	H-4501-4	20	6.25	1100	550	1800	1380	3060	850	4000	4160	2170	9775	1	990	18.98
	H-4502-2.5	H-4502-4	30	6.25	1100	550	1800	1380	3060	850	4000	4180	2170	9775	1	1220	19.25
	H-4503-2.5	H-4503-4	40	6.25	1100	550	1800	1380	3060	850	4000	4180	2170	9775	1	1280	19.25
2000	H-4504-2.5	H-4504-4	30	4.34	1200	710	2000	1720	1380	1000	2500	2660	2370	7626	1	800	12.02
	H-4505-2.5	H-4505-4	40	4.34	1200	710	2000	1720	1380	1000	2500	2680	2370	7626	1	1000	11.22
	H-4506-2.5	H-4506-4	30	5.30	1200	710	2000	1720	1880	1000	3000	3160	2370	9325	1	895	15.85
	H-4507-2.5	H-4507-4	40	5.30	1200	710	2000	1720	1880	1000	3000	3180	2370	9325	1	1125	16.21
	H-4508-2.5	H-4508-4	20	6.25	1200	710	2000	1720	2380	1000	3500	3660	2370	11025	1	1000	20.01
	H-4509-2.5	H-4509-4	30	6.25	1200	710	2000	1720	2380	1000	3500	3680	2370	11025	1	1250	18.76
	H-4510-2.5	H-4510-4	40	6.25	1200	710	2000	1720	2380	1000	3500	3680	2370	11025	1	1280	18.76
	H-4511-2.5	H-4511-4	20	7.21	1200	710	2000	1720	2880	1000	4000	4160	2370	12725	1	1090	23.70
	H-4512-2.5	H-4512-4	30	7.21	1200	710	2000	1720	2880	1000	4000	4180	2370	12725	1	1345	22.14
	H-4513-2.5	H-4513-4	40	7.21	1200	710	2000	1720	2880	1000	4000	4180	2370	12725	1	1430	22.14
	H-4514-2.5	H-4514-4	30	8.16	1200	710	2000	1720	3380	1000	4500	4680	2370	14450	1	1170	26.86
	H-4515-2.5	H-4515-4	40	8.16	1200	710	2000	1720	3380	1000	4500	4680	2370	14450	1	1460	24.99

Ø	CODE		FILTRATION VELOCITY	FILTRA- TION AREA	DIMENSIONS mm									QUARTZ SAND	PACK- ING	WEIGHT	VOUME
	2.5 BAR	4 BAR	m³/h/m²	M²	B	C	D	E	F	G	H	I	J	kg		kg	m³
2350	H-4516-2.5	H-4516-4	20	5.94	1390	710	2350	1950	1270	1180	3000	3160	2730	11875	1	1030	22.35
	H-4517-2.5	H-4517-4	30	5.94	1390	710	2350	1950	1270	1180	3000	3180	2730	11875	1	1320	23.00
	H-4518-2.5	H-4518-4	40	5.94	1390	710	2350	1950	1270	1180	3000	3180	2730	11875	1	1340	23.00
	H-4519-2.5	H-4519-4	20	7.06	1390	710	2350	1950	1170	1180	3500	3660	2730	14175	1	1125	27.33
	H-4520-2.5	H-4520-4	30	7.06	1390	710	2350	1950	1170	1180	3500	3680	2730	14175	1	1425	26.46
	H-4521-2.5	H-4521-4	40	7.06	1390	710	2350	1950	1170	1180	3500	3680	2730	14175	1	1480	26.46
	H-4522-2.5	H-4522-4	20	8.17	1390	710	2350	1950	2270	1180	4000	4180	2730	16450	1	1270	31.20
	H-4523-2.5	H-4523-4	40	8.17	1390	710	2350	1950	2270	1180	4000	4180	2730	16450	1	1595	30.05
	H-4524-2.5	H-4524-4	20	9.28	1390	710	2350	1950	2770	1180	4500	4680	2730	18725	1	1450	33.37
	H-4525-2.5	H-4525-4	40	9.28	1390	710	2350	1950	2770	1180	4500	4680	2730	18725	1	1805	33.37
	H-4526-2.5	H-4526-4	20	10.4	1390	710	2350	1950	3270	1180	5000	5180	2730	21000	1	1595	36.61
	H-4527-2.5	H-4527-4	30	10.4	1390	710	2350	1950	3270	1180	5000	5180	2730	21000	1	1975	36.61
	H-4528-2.5	H-4528-4	40	10.4	1390	710	2350	1950	3270	1180	5000	5180	2730	21000	1	2000	36.61
2500	H-4529-2.5	H-4529-4	20	7.34	1480	710	2500	2120	1850	1270	3500	3660	2900	14850	1	1170	28.42
	H-4530-2.5	H-4530-4	30	7.34	1480	710	2500	2120	1850	1270	3500	3680	2900	14850	1	1500	28.80
	H-4531-2.5	H-4531-4	40	7.34	1480	710	2500	2120	1850	1270	3500	3680	2900	14850	1	1520	28.80
	H-4532-2.5	H-4532-4	20	8.62	1480	710	2500	2120	2350	1270	4000	4180	2900	17225	1	1320	32.60
	H-4533-2.5	H-4533-4	40	8.62	1480	710	2500	2120	2350	1270	4000	4180	2900	17225	1	1680	32.60
	H-4534-2.5	H-4534-4	20	9.80	1480	710	2500	2120	2850	1270	4500	4680	2900	19650	1	1480	21.50
	H-4535-2.5	H-4535-4	30	9.80	1480	710	2500	2120	2850	1270	4500	4680	2900	19650	1	1860	21.50
	H-4536-2.5	H-4536-4	40	9.80	1480	710	2500	2120	2850	1270	4500	4680	2900	19650	1	1960	21.50
	H-4537-2.5	H-4537-4	20	10.98	1480	710	2500	2120	3350	1270	5000	5180	2900	22050	1	1650	40.50
	H-4538-2.5	H-4538-4	30	10.98	1480	710	2500	2120	3350	1270	5000	5180	2900	22050	1	2170	40.50
	H-4539-2.5	H-4539-4	40	10.98	1480	710	2500	2120	3350	1270	5000	5180	2900	22050	1	2190	40.50
3000	H-4540-2.5	H-4540-4	20	8.98	1730	710	3000	2600	1880	1480	3500	3680	3410	22375	1	1460	41.47
	H-4541-2.5	H-4541-4	30	8.98	1730	710	3000	2600	1880	1480	3500	3680	3410	22375	1	1860	41.47
	H-4542-2.5	H-4542-4	40	8.98	1730	710	3000	2600	1880	1480	3500	3680	3410	22375	1	1890	41.47
	H-4543-2.5	H-4543-4	20	10.40	1730	710	3000	2600	2380	1480	4000	4180	3410	25975	1	1650	46.56
	H-4544-2.5	H-4544-4	30	10.40	1730	710	3000	2600	2380	1480	4000	4180	3410	25975	1	2075	46.56
	H-4545-2.5	H-4545-4	40	10.40	1730	710	3000	2600	2380	1480	4000	4180	3410	25975	1	2090	46.56
	H-4546-2.5	H-4546-4	20	11.82	1730	710	3000	2600	2880	1480	4500	4680	3410	29600	1	1835	52.52
	H-4547-2.5	H-4547-4	30	11.82	1730	710	3000	2600	2880	1480	4500	4680	3410	29600	1	2300	52.52
	H-4548-2.5	H-4548-4	40	11.82	1730	710	3000	2600	2880	1480	4500	4680	3410	29600	1	2330	52.52
	H-4549-2.5	H-4549-4	20	13.24	1730	710	3000	2600	3380	1480	5000	5180	3410	33175	1	2030	57.72
	H-4550-2.5	H-4550-4	30	13.24	1730	710	3000	2600	3380	1480	5000	5180	3410	33175	1	2440	57.72
	H-4551-2.5	H-4551-4	40	13.24	1730	710	3000	2600	3380	1480	5000	5180	3410	33175	1	2450	57.72



09 | DUAL STACK SAND FILTERS

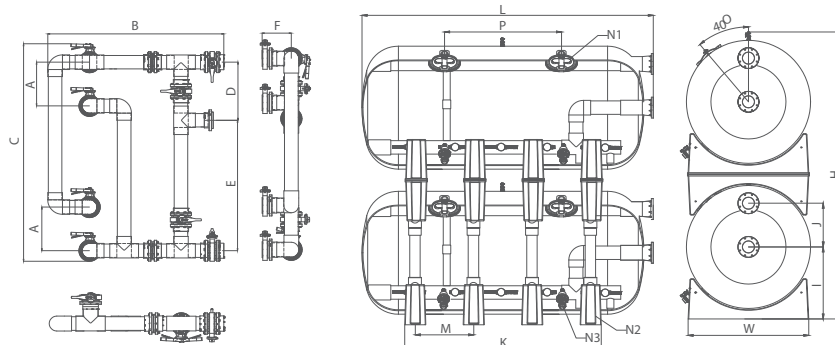
✓ Technical features

A duel, stackable, lateral filtration system with long term performance suitable for high-load/high-flow water systems including public pools and waterpark

- Horizontal cylinder tank made of strong durable construction. Grey glossy finish
- Resistant against structural failures caused by corrosion and pressure
- Compact design requiring minimal floor space
- Includes integral base for self-supporting, stackable configuration to double the filtration capacity
- Optional vinyl ester resin coating for maximum resistance against salt water corrosion and chemicals including ozone
- Media size: 0.5 - 0.8mm, 1 - 2mm (Recommended)
- Maximum operating pressure: 4 bar (58psi)
- Warranty: 5 years on filter body
- Manifold and valves are not included



Dimensions



CODE	TANK SIZE mm	FLANGE CONNECTIONS	DIMENSIONS mm					
			A	B	C	D	E	F
TH1400-2.5	1400	160 / 6"	390	1970	2805	386	2023	352
TH1600-2.5	1600	160 / 6"	475	1970	2396	386	1638	352
TH2000-4.5	2000	200 / 8"	710	2836	3538	940	2121	464

Models

CODE	TANK SIZE	FILTER AREA (M ²)	FLANGE CONNEC- TIONS	FLOW	QUARTZ SAND	DIMENSIONS mm								N1/ N2	N3	PACK- ING	WEIGHT	VOLUME
				(m³/h) V=30m³/h/ m²	kg	I	J	K	M	H	P	L	W				kg	m³
TH1400-2.5	1400 X 2500	3.02 X 2	160 / 6"	181	7250	886	750	693	286	390	--	2750	1370	2	2 inch x 2	1	1830	3.6 X 2
TH1600-2.5	1600 X 2500	3.36 X 2	160 / 6"	201	9450	998	862	805	318	500	--	2750	1570	2	4 inch x 2	1	2270	4.6 X 2
TH2000-4.5	2000 X 4500	8.16 X 2	200 / 8"	489	28900	438	501	835	360	390	1880	4770	1920	4	4 inch x 4	1	5360	12.7 X 2

Flange connection standard optional: GB(HG20592 PN1.0MPa) or ANSI(ANSI B16.5(1988) Class150)

10 | STAINLESS STEEL SAND FILTERS TYPE "XE"

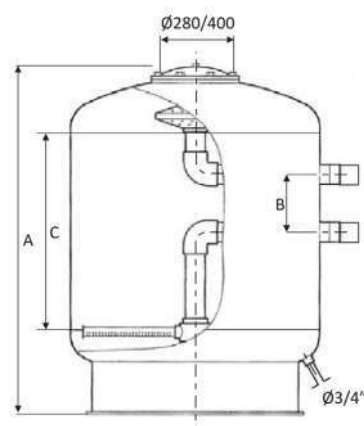
✓ Technical features

A stainless steel sand filter with optional 6-way multiport side mounted selector for filters up to 950mm

- 6-way multiport valve, side mounted for easy operation and maintenance (Filtration, rinsing, circulation, flush, close and drain)
- Manufactured in stainless steel (AISI 304 V2A or AISI 316 L V4A). For 316, add -316 to the code
- Vertical cylinder body with external polished finish
- Internal water distribution (For nozzle plate distribution, add '-lux' to the code)
- Manhole diameter: Ø 280 / 400mm
- Maximum operating pressure: 2.5 bar (Test pressure: 4 bar)
- On-demand filter can be supplied with:
 - Working pressure: 4 bar (Test pressure: 6 bar) - Add '-406' to the code
 - Working pressure: 6 bar (Test pressure: 10 bar) - Add '-0610' to the code
 - Working pressure: 10 bar (Test pressure: 15 bar) - Add '-1015' to the code
- Warranty: 5 years on filter body
- Manifold and valves are not included



Dimensions



Models

CODE		Ø mm	CONNECTIONS	FLOW	QUARTZ SAND kg	DIMENSIONS mm			PACKING	WEIGHT kg	VOLUME m³
				(m³/h) V=50m³/h/m²		A	B	C			
XE-500	XE-500-316	500	1½"	10	200	1050	200	750	2	54	0.28
XE-630	XE-630-316	630	1½"	15	300	1130	200	750	2	70	0.47
XE-800	XE-800-316	800	2"	25	450	1200	200	750	2	90	0.79
XE-950	XE-950-316	950	2"	35	700	1300	200	750	2	112	1.2
XE-1100	XE-1100-316	1100	2½"	47	900	1350	200	750	1	112	1.2
XE-1200	XE-1200-316	1200	3"	56	1200	1400	200	750	1	160	2.4



11 | STAINLESS STEEL SAND FILTERS TYPE "XR" BED HEIGHT 1250 MM

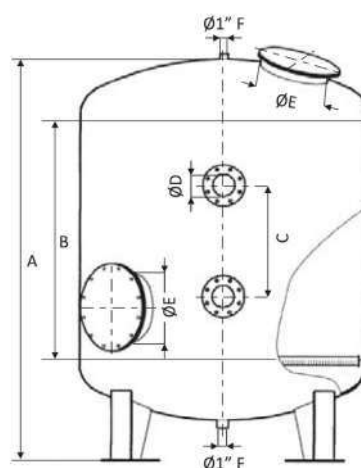
✓ Technical features

A stainless steel sand filter with nozzle plate internal water distribution and a filtration bed height of 1250mm

- Manufactured in stainless steel (AISI 304 V2A or AISI 316 L V4A)
For 316, add -316 to the code
- External pickling to remove oxide scale, heat tint and to protect from corrosion
- Magnesium Anode protection
- Includes two hand holes for easy access
- Maximum operating pressure: 2.5 bar (Testing pressure: 4 bar)
- On-demand filter can be supplied with:
 - Working pressure: 4 bar (Test pressure: 6 bar) - Add '-406' to the code
 - Working pressure: 6 bar (Test pressure: 10 bar) - Add '-0610' to the code
 - Working pressure: 10 bar (Test pressure: 15 bar) - Add '-1015' to the code
- Warranty: 5 years on filter body
- Manifold and valves are not included



📐 Dimensions



🔍 Models

CODE		Ø mm	CONNEC- TIONS mm	FLOW	QUARTZ SAND kg	DIMENSIONS mm					PACKING	WEIGHT kg	VOLUME m³
				(m³/h) V=50m³/h/m²		A	B	C	D	E			
XR-1250	XR-1250-316	1250	DN 80	60	2000	2040	1250	400	Ø80	Ø280/400	1	900	4.9
XR-1400	XR-1400-316	1400	DN 100	77	2700	2160	1250	500	Ø100	Ø400	1	1000	5.5
XR-1600	XR-1600-316	1600	DN 100	100	3100	2340	1250	500	Ø100	Ø400	1	1100	8.5
XR-1800	XR-1800-316	1800	DN 125	127	4000	2400	1250	500	Ø125	Ø400	1	1350	10.3
XR-2000	XR-2000-316	2000	DN 150	157	4900	2400	1250	500	Ø150	Ø400	1	1550	11.5
XR-2200	XR-2200-316	2200	DN 200	190	5700	2400	1250	500	Ø200	Ø400	1	1750	12.6
XR-2400	XR-2400-316	2400	DN 200	226	6786	2450	1250	500	Ø200	Ø400	1	2050	14.4

12 | STAINLESS STEEL SAND FILTERS TYPE "XL" BED HEIGHT 1500 MM

✓ Technical features

A stainless steel sand filter with nozzle plate internal water distribution and a filtration bed height of 1500mm. Includes 6-way multiport valves for filters up to 950mm

- 6-way multiport valve, side mounted for easy operation and maintenance (Filtration, rinsing, circulation, flush, close and drain)
- Manufactured in stainless steel (AISI 304 V2A or AISI 316 L V4A)
For 316, add -316 to the code
- External pickling to remove oxide scale, heat tint and to protect from corrosion
- Complete with sight glass, manhole and handhole for easy access
- Magnesium Anode protection
- Maximum operating pressure: 2.5 bar (Testing pressure: 4 bar)
- On-demand filter can be supplied with:

-Working pressure: 4 bar (Test pressure: 6 bar) - Add '-406' to the code

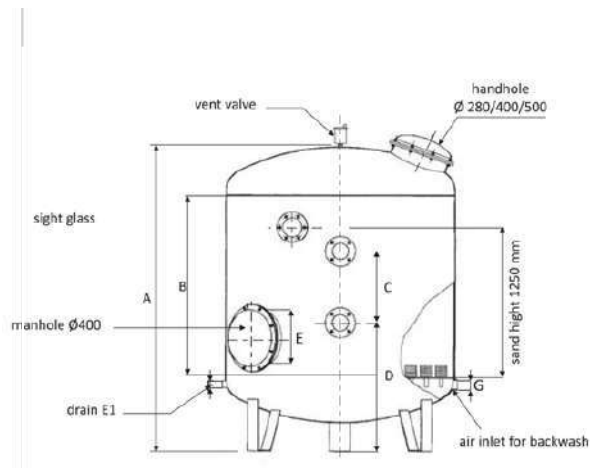
-Working pressure: 6 bar (Test pressure: 10 bar) - Add '-0610' to the code

-Working pressure: 10 bar (Test pressure: 15 bar) - Add '-1015' to the code

- Warranty: 5 years on filter body
- Manifold and valves are not included



Dimensions



Q Models

CODE		Ø mm	CONNECTIONS	FLOW	DIMENSIONS mm							QUARTZ SAND	PACKING	WEIGHT	VOLUME
				(m³/h) V=50m³/h/m²	A	B	C	D	E	F	G	kg		kg	m³
XL-500	XL-500-316	500	1.5"	10	1950	1500	400	900	Ø400	1"	1½"	375	2	150	1.9
XL-630	XL-630-316	630	1.5"	15	1950	1500	400	900	Ø400	1"	1½"	575	2	220	2.3
XL-800	XL-800-316	800	2"	25	2050	1500	400	900	Ø400	1"	1½"	900	2	380	3.3
XL-950	XL-950-316	950	2"	35	2100	1500	500	900	Ø400	1"	1½"	1300	2	540	4
XL-1100	XL-1100-316	1100	DN 65	47	2150	1500	500	900	Ø400	1"	2"	1925	1	810	5.2
XL-1250	XL-1250-316	1250	DN 80	60	2200	1500	500	900	Ø400	1"	2"	2300	1	930	6
XL-1400	XL-1400-316	1400	DN 100	77	2300	1500	600	900	Ø400	1"	2"	3300	1	1050	7.4
XL-1600	XL-1600-316	1600	DN 125	100	2400	1500	600	900	Ø400	1"	2"	3925	1	1150	9.2
XL-1800	XL-1800-316	1800	DN 125	125	2540	1500	600	1000	Ø400	1½"	2½"	4700	1	1450	11.6
XL-2000	XL-2000-316	2000	DN 150	157	2650	1500	600	1000	Ø400	1½"	2½"	5600	1	1650	14
XL-2200	XL-2200-316	2200	DN 150	189	2700	1500	600	1000	Ø400	1½"	3"	7100	1	1950	16
XL-2400	XL-2400-316	2400	DN 200	225	2750	1500	600	1000	Ø400	1½"	3"	8400	1	2250	18.1



13 | HOT ZINC PLATED CARBON STEEL FILTERS TYPE "ZR"

✓ Technical features

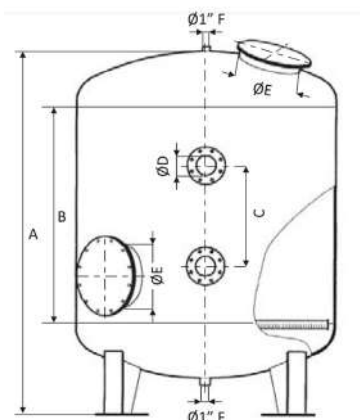
A hot zinc plated carbon steel sand filter offering a superior level of protection against rust and corrosion.

- Carbon steel filter tank varnished with corrosion-resistant epoxy coating
- Internal water distribution with arm collectors as standard. For nozzle plate please add '-lux' to the code
- Filtration bed depth: 1250mm
- Complete with manhole and handhole access for easy maintenance
- Max filtration velocity: 50m³/h/m²
- Max operating pressure: 2.5 bar (Testing pressure: 4 bar)
- Warranty: 5 years on filter body
- Manifold and valves are not included

Please note: You are recommended to earth the installation



📐 Dimensions



🔍 Models

CODE	Ø mm	CONNECTIONS mm	FLOW	QUARTZ SAND kg	DIMENSIONS mm					PACKING	WEIGHT	VOLUME
			(m ³ /h) V=50m ³ /h/m ²		A	B	C	D	E		kg	
01001	1250	Din 80	60	2000	2040	1250	900	Ø90	Ø400	1	1040	4.9
01002	1500	Din 100	88	2900	2160	1250	900	Ø90	Ø400	1	1125	5.5
01006	1600	Din 125	100	2900	2160	1250	900	Ø140	Ø400	1	1200	8.5
01003	1800	Din 125	127	2900	2160	1250	900	Ø140	Ø400	1	1450	10.3
01004	2000	Din 150	190	5700	2400	1250	900	Ø160	Ø400	1	1650	11.5
01007	2200	Din 150	196	5700	2400	1250	900	Ø160	Ø400	1	1850	12.6
01005	2400	Din 200	226	6786	2450	1250	900	Ø225	Ø400	1	2150	14.4

14 | HOT ZINC PLATED CARBON STEEL FILTERS TYPE "VL" BED HEIGHT 1500

✓ Technical features

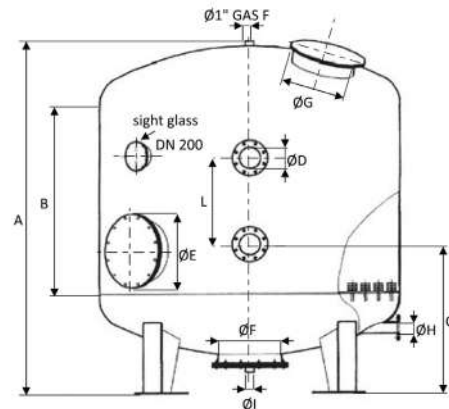
A nozzle plate, hot zinc plated, carbon steel sand filter with a filtration bed depth of 1500mm and offers superior levels of protection against rust and corrosion.

- Carbon steel filter tank varnished with epoxy paint
- Internal water distribution with arm collectors as standard
- Filtration bed depth: 1500mm
- Sand: 1250 / 1300mm
- Complete with sight glass, manhole and handhole for easy access
- Max Filtration velocity: 50m³/h/m²
- Max: Operating pressure: 2.5 bar (Testing pressure: 4 bar)
- Warranty: 5 years on filter body
- Manifold and valves are not included

Please note: You are recommended to earth the installation
Valves not included



Dimensions



Q Models

CODE	Ø mm	CONNECTIONS mm	FLOW	QUARTZ SAND	DIMENSIONS mm									PACKING	WEIGHT	VOLUME
			(m³/h) V=50m³/h/m²	kg	A	B	C	L	ØD	ØE	ØF	ØH	ØI		kg	m³
01011	1250	DN 80	60	2300	2300	1500	1000	600	90	400	400	DN 65	1" F	1	1070	6
01013	1400	DN 100	70	3300	2400	1500	1000	600	110	400	500	DN 65	1" F	1	1150	7.4
01014	1600	DN 125	100	3920	2400	1500	1100	600	140	400	500	DN 65	1½" F	1	1250	9.2
01015	1800	DN 125	117	4700	2600	1500	1100	600	140	500	500	DN 65	1½" F	1	1550	11.6
01017	2000	DN 150	130	5600	2600	1500	1100	600	160	500	500	DN 65	2" F	1	1750	14
01019	2200	DN 150	196	7100	2650	1500	1100	600	160	500	500	DN 65	2" F	1	2050	16
01020	2400	DN 200	220	8400	2700	1500	1100	600	160	500	600	DN 65	2" F	1	2350	18.1
01022	2800	DN 200	300	11500	3100	1500	1100	600	225	500	600	DN 65	2" F	1	2550	20
01023	3000	DN 200	350	13000	3150	1500	1100	600	225	500	600	DN 100	2" F	1	2750	22.1

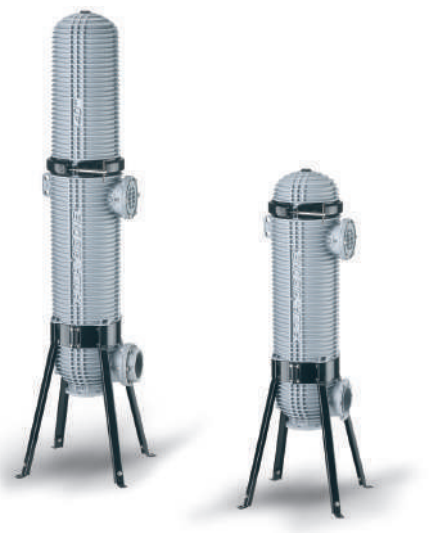


15 | CARTRIDGE FILTER "BIG ONE"

✓ Technical features

A unique design, polypropylene Cartridge filter, developed to treat large volumes of water and ideal for professional applications where high performance and reliability is guaranteed.

- Polypropylene housing with plastic drain plug and relief valve
- 2-piece compact container with 3 inch female In-Out threading
- Stainless steel clamp for easy access during maintenance
- Uses cartridge sizes 23 inch and 40 inch
- Maximum operating pressure: 6 bar
- Burst pressure: 20 bar
- Maximum operating temperature: 40 °C
- Capacity (empty) at 2 bar: 60m³/h
- Filtration grade: 3, 20 or 50 micron
- Warranty: 5 years on filter body



📏 Dimensions

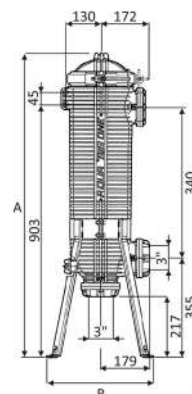
🔍 Models

CODE	HIGHT	CONNECTIONS	DIMENSIONS mm		PACKING	WEIGHT kg	VOLUME m ³
			A	B			
A1150110	23"	3"	1090	388	1	19	0.02
A1150120	40"	3"	1500	388	1	22.5	0.28

- Polyester housing. Polypropylene Core. End caps in FON and O-Ring in NBR
- Two sizes available (height): 23 inch and 40 inch
- Inner diameter: 76mm
- Outer diameter: 147.5mm
- Efficiency: 95%
- Maximum operating pressure: 6 bar
- Maximum differential pressure: 0.8 bar (Recommended)
- Maximum operating temperature: 80°C

CARTRIDGE FILTER ELEMENT

CODE	HIGHT	FILTRATION GRADE	FLOW (m ³ /h)	PACKING	WEIGHT kg	VOLUME m ³
		micron				
A4088010	23"	3	14	1	1.3	0.02
A4088020	23"	20	22	1	1.3	0.02
A4088030	23"	50	27	1	1.3	0.02
A4088040	40"	3	28	1	2.2	0.03
A4088050	40"	20	44	1	2.2	0.03
A4088060	40"	50	54	1	2.2	0.03



16 | CARTRIDGE FILTER "CF SERIES"

✓ Technical features

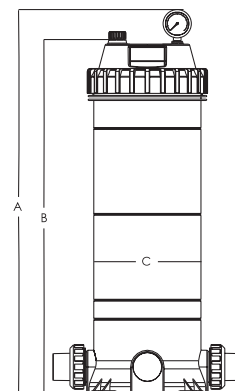
- comes with a UV resistant tank and a heavy duty ring-lock lid which allows easy cleaning and replacement of the cartridge element.
- A screw type air bleed valve releases trapped air inside the filter tank.
- The high quality oil-filled pressure gauge provides an easy overview of the operating pressure.
- Max Operating Pressure : 250kPa/36psi(2.5bar)
- Max Temperature : 40°C (104°F)
- CF Series Filter is equipped with :
 - universal standard of union connection
 - pressure gauge
 - cartridge filter element



Dimensions

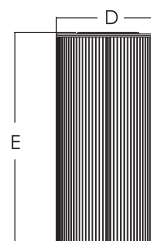
Q Models

CODE	FILTER AREA (M2)	VALVE CONNECTIONS	FLOW (m³/h)	DIMENSIONS mm			PACKING	WEIGHT kg	VOLUME m³
				A	B	C			
CF25	2.25	1.5" / 50mm	5.5m³/h	445	387	225	1	6	0.050
CF50	4.63	1.5" / 50mm	11.4m³/h	625	567	225	1	7.5	0.068
CF75	7.00	1.5" / 50mm	17.0m³/h	805	747	225	1	9	0.085
CF100	9.40	2.0" / 63mm	22.9m³/h	985	927	225	1	10.5	0.102
CF150	13.72	2.0" / 63mm	33.4m³/h	1165	1107	225	1	12.5	0.120
CF200	16.82	2.0" / 63mm	40.9m³/h	1345	1287	225	1	14.7	0.137



CARTRIDGE FILTER ELEMENT

CODE	D mm	E mm	MICRON mm	FOLD NUMBER	PACKING	WEIGHT	VOLUME
						kg	m³
CF25-CE	Ø183	184.5	≥ 15	150	1	11.1	0.080
CF50-CE	Ø183	364.5	≥ 15	150	1	16.50	0.15
CF75-CE	Ø183	544.5	≥ 15	150	1	22.7	0.23
CF100-CE	Ø183	724.5	≥ 15	150	1	14.5	0.15
CF150-CE	Ø183	904.5	≥ 15	175	1	18.8	0.19
CF200-CE	Ø183	544.5 x 2	≥ 15	180	1	22.7	0.23





17 | GALAXY SINGLE-ELEMENT CARTRIDGE FILTER

✓ Technical features

Galaxy Single-Element Cartridge Filter is built with high-strength and UV-resistant material to prolong the product life. The compact and low height design is suitable for any pool especially with limited system setup space. The extensive dirt-catching capability of the filter element makes this filter highly efficient. A reliable choice for crystal clear water.

Big one-piece cartridge element provides a large filtration surface for trapping more dirt and debris. Less cleaning required, and unlike sand filters, needs no backwashing thus saving water and its precious chemicals.

- Locking ring with quick-release latch allows removing and installing the top tank quickly.
- Large water drain makes fast and easy winterisation.
- Simple cleaning and rinsing the filter element with a garden hose
- 4 x mounting holes
- Easy-grip lid handle
- Indicative pressure gauge tells you when to service
- Knee-height tank base facilitates easy cartridge replacement
- Galaxy series filter is equipped with:
 - Universal standard of union connection
 - Pressure gauge
 - Cartridge filter element



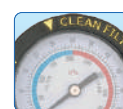
Quick-release lock ring



Air relief valve



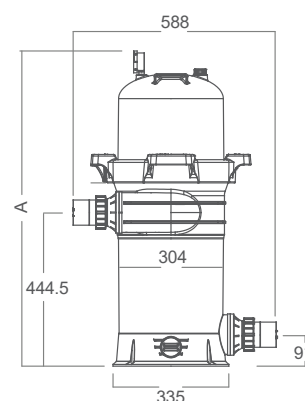
Large water drain



Smart pressure gauge



Dimensions

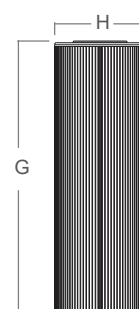


Q Models

CODE	FILTER AREA (m ²)	VALVE CONNECTIONS	FLOW (m ³ /h)	DIMENSIONS mm	PACKING	WEIGHT kg	VOLUME m ³
				A			
ICF100	9.29	2" / 2.5"	22.7	825	1	18.3	0.176
ICF150	13.94	2" / 2.5"	27.3	910	1	19.8	0.195
ICF200	18.58	2" / 2.5"	27.3	1033	1	22.9	0.223

CARTRIDGE FILTER ELEMENT

CODE	H mm	G mm	MICRON um	FOLD NUMBER	PACKING	WEIGHT	VOLUME
						kg	m ³
ICF100-CE	Ø267	497	15	137	1	15.7	0.152
ICF150-CE	Ø267	590	15	172	1	17.9	0.181
ICF200-CE	Ø267	717	15	187	1	22.2	0.216



18 | GALAXY MULTI-ELEMENT CARTRIDGE FILTER

✓ Technical features

The Galaxy Multi-Element Cartridge Filter is designed to be the best in its class. Adopting the latest technology and constructed with non-corroding and durable materials, the Galaxy Cartridge Filter has a bigger filter area than most models on the market. The high capacity tank partnered with the advanced multi-element raises hydraulic dirt-catching performance to new levels. Due to being eco and user friendly, it's the ideal choice for residential and commercial pools.

- Indicative pressure gauge tells you when to service
- Optional removable, easy-grip handle
- Knee-height tank base facilitates easy cartridge replacement
- 3-session clamp kit allows removing and installing the top tank quickly
- Large water drain makes fast, easy winterisation and simple cleaning and rinsing with a garden hose.
- Multi-element provides an enormous surface area to block more dirt thus require less cleaning. Also, no backwashing is needed like sand filters. It can save a large amount of water every year.
- Galaxy series filter is equipped with:
 - Universal standard of union connection
 - Pressure gauge
 - Cartridge filter element



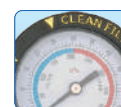
Detachable grip handle



Large flow air relief valve



Large water drain



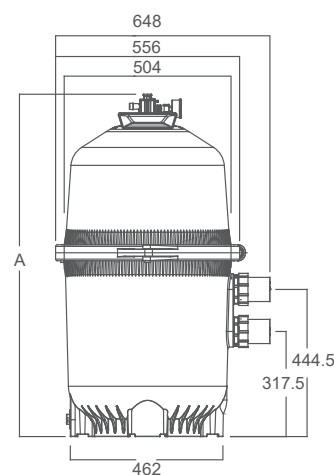
Smart pressure gauge



Dimensions

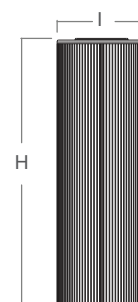
Q Models

CODE	FILTER AREA (m2)	VALVE CONNEC-TIONS	FLOW (m³/h)	DIMENSIONS	PACKING	WEIGHT	VOLUME
				mm A		kg	m³
ICF230	21.37	2" / 2.5"	19.6	829	1	35.8	0.309
ICF330	30.73	2" / 2.5"	28.1	886	1	37.6	0.330
ICF430	39.97	2" / 2.5"	34.5	1035	1	41.7	0.379
ICF530	49.19	2" / 2.5"	34.5	1223	1	48.3	0.445
ICF680	62.13	2" / 2.5"	34.5	1362	1	56.6	0.494



CARTRIDGE FILTER ELEMENT

CODE	NO.OF ELEMENT	I mm	H mm	MICRON um	FOLD NUMBER	PACKING	WEIGHT	VOLUME
							kg	m³
ICF230-CE	4	Ø178	441	15	156	1	14.3	0.124
ICF330-CE	4	Ø178	498	15	198	1	15.9	0.139
ICF430-CE	4	Ø178	647	15	197	1	21.2	0.179
ICF530-CE	4	Ø178	835	15	187	1	24.2	0.230
ICF680-CE	8	Ø178	485	15	209	1	16.8	0.135





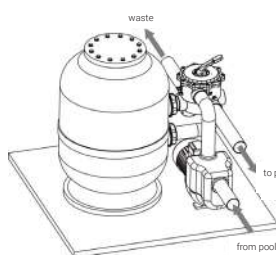
19 | SIX-WAY SELECTOR VALVES



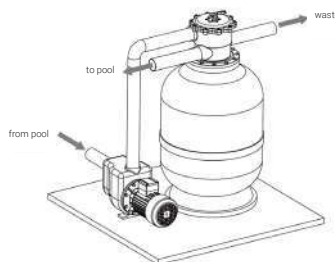
✓ Technical features

6-way multiport selector valves for filtration, backwashing, rinsing, recirculating, waste and closing operations

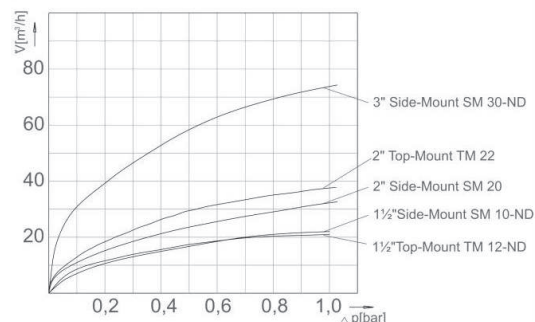
- Manufactured in premium, injection molded ABS for superior durability
- UV and impact resistant
- Easy installation, maintenance and servicing
- Extremely long-lasting sealant and pressure springs mounted at the valve plate
- Available for side or top mounting systems



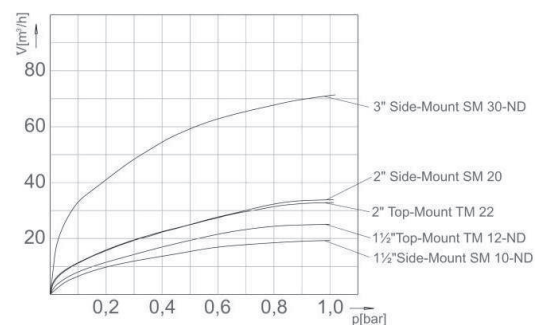
Side mount



Top mount



Pressure loss diagram filter:



Pressure loss diagram backwash

Q Models

CODE	MOUNTING	CONNECTIONS	PRESSURE	PACKING	WEIGHT	VOLUME
			bar		kg	m³
SV-15	Side	1½"	3.5	1	1.5	0.01
SV-20	Side	2"	3.5	1	2	0.02
SV-25	Side	2.5"	3.5	1	2.5	0.02
SV-30	Side	3"	3.5	1	3	0.03
TV-15 AQUARIS	Top	1½"	3.5	1	1.5	0.01
TV-15 MUNICH	Top	1½"	3.5	1	1.5	0.01
TV-15 EC- 300	Top	1½"	3.5	1	1.5	0.01
TV-15 OCEAN	Top	1½"	3.5	1	1.5	0.01

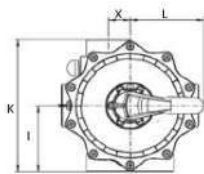
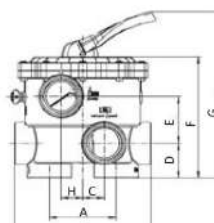
CODE	DIMENSIONS mm												
	A	B	C	D	E	F	G	H	I	K	L	M	X
SV-15	99	180	31.5	48.5	60	165	247	41.5	87.5	175	135.5	-	30
SV-20	110	227	36	60	81	210	296	36	115	230	135.5	-	36
SV-25	364	298	50	278	50	50	97	298	56.5	60	56.50	42	-
SV-30	364	298	50	278	50	50	97	298	56.5	60	56.50	42	-
TV-15 AQUARIS	130	-	31.5	38	59.5	235.5	245	41.5	90	180	135.5	46	30
TV-15 MUNICH	145	84	332	196	185	62	245	-	-	-	-	-	-
TV-15 EC- 3000	232.5	117.4	359.7	61	111	-	-	-	-	-	-	-	-
TV-15 OCEAN	148	360	185	38	38	38	38	-	-	-	-	-	-

SIX -WAY VALVES IMAGES & DRAWINGS

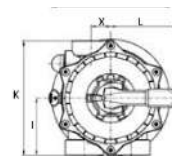
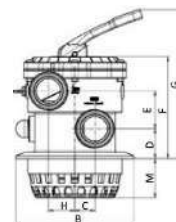
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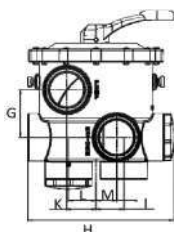
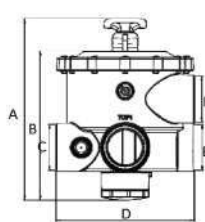
SV-15/SV-20



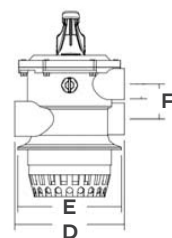
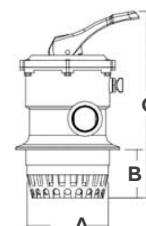
TV-15 AQUARIS



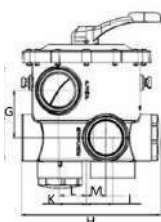
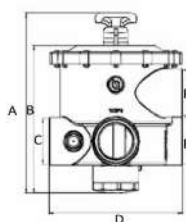
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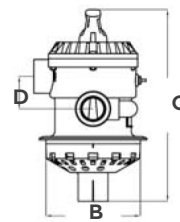
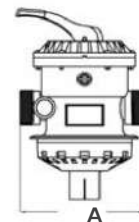
TV-MUNICH



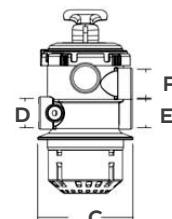
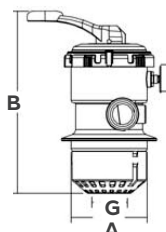
SV-30



TV-15 EC-300



TV-15 OCEAN





20 | AQUA COMFORT TOUCH

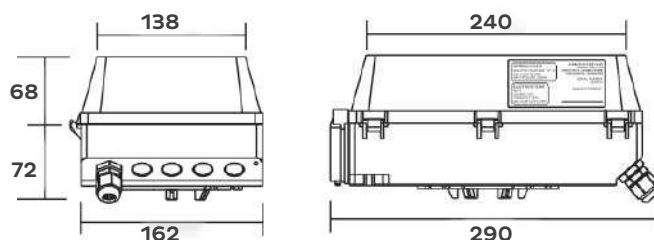
✓ Technical features

Developed exclusively for private swimming pool use, this fully automated device has been developed to be installed into systems that are not equipped with a programmable logic controller (PLC)

- Smart speed adjustment - High when backwash, low at night time.
- Smart wash - Backwash the filter with a touch of a button, easy.
- Motorised rotor - Change valve position without a handle
- Built-on pressure sensor - Back wash automatically when tank pressure is high
- 5-Inch LCD touch screen - Display and control with ease.
- Autowash OS - User friendly interface
- Weather proof casing - Sealed casing for weather proofing
- Mounting : Top or Side
- Connection 1.5" / 2"
- Adjustable pressure switch : 30 KPA-200 KPA
- Max.timer wash : 1 wash per day , 7 days schedule
- Adjustable wash time : 5-120 sec
- Pump timer : 7 days schedule , 2 cycle per day, speed adjustable
- Auto protection : Valve to off position before system shut-down
- Pressure sensor accuracy : +/-3 kpa
- Max working pressure : 250 KPA
- Power voltage input : 220 V @ 50 Hz
- IP rating : 65



📏 Dimensions



🔍 Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
SAB-AUTO	TOUCH SCREEN AUTOMATIC VALVE "AQUA COMFORT TOUCH " FOR 1.5" OR 2" SIDE OR TOP MOUNT VALVES, TIME & PRESSURE CONTROL	1	3	0.012

21 | VALVE MANIFOLDS

✓ Technical features



All 'hidroten' valve manifolds guarantee maximum quality and reliability

- All valve manifolds including manual, electric or pneumatic for DN 75 to DN160, and includes flanges to connect to filters DN 6 for 200 to 300
- The 'Implex' range of valves are ideal for all kinds of applications due to its multi-standard PVC design. It can be operated via a clutch or trigger
- Standard (Inside the pipes): UNE-EN-1452 (PVC-U) and UNE-EN 12201 (PE)
- Standard (Flanges): DN 80 63, ANSI 16.5, BS 10 tabala D/E, UNE-EN1452 (PVC-U)
- Sets consist of 5 valves, 6 flange sets, 2 elbows and 5 tees

Please note: All manifolds are supplied disassembled and without support brackets

Q Models

CODE	CONNECTION mm	MANIFOLD TYPE	NO. OF VALVES	PACKAGING	WEIGHT	VOLUME
					kg	m³
MM5-075	75	Manual	5	1	11.1	0.02
MM5-090	90				16.48	0.03
MM5-110	110				18.56	0.03
MM5-125	125				20.96	0.04
MM5-140	140				23.60	0.05
MM5-160	160				30.24	0.05
MM5-200	200				44.96	0.07
MM5-225	225				44.96	0.07
MM5-250	250				79.84	0.20
MM5-300	300				176	0.17
AM5-075	75	Electric	5	1	15.52	0.08
AM5-090	90				19.2	0.08
AM5-110	110				19.2	0.10
AM5-125	125				24	0.16
AM5-140	140				41.6	0.20
AM5-160	160				41.6	0.24
AM5-200	200				41.6	0.34
AM5-225	225				41.6	0.34
AM5-250	250				41.6	0.43
AM5-300	300				41.6	0.54
PM5-075	75	Pneumatic	5	1	34	0.08
PM5-090	90				41	0.08
PM5-110	110				67	0.14
PM5-125	125				70	0.16
PM5-140	140				101	0.23
PM5-160	160				110	0.27
PM5-200	200				140	0.46
PM5-225	225				140	0.46
PM5-250	250				275	0.54
PM5-300	300				252	0.82



MANUAL VALVE



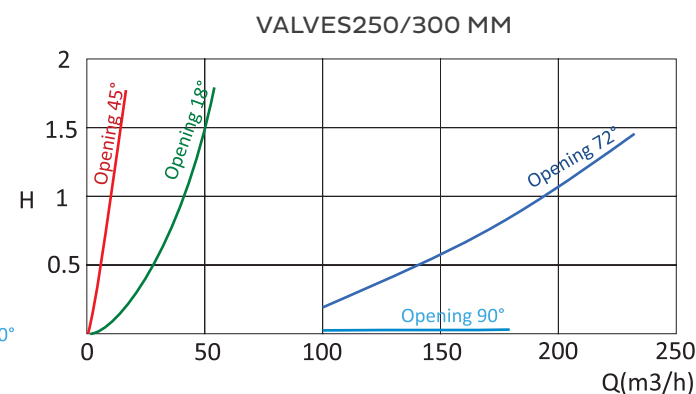
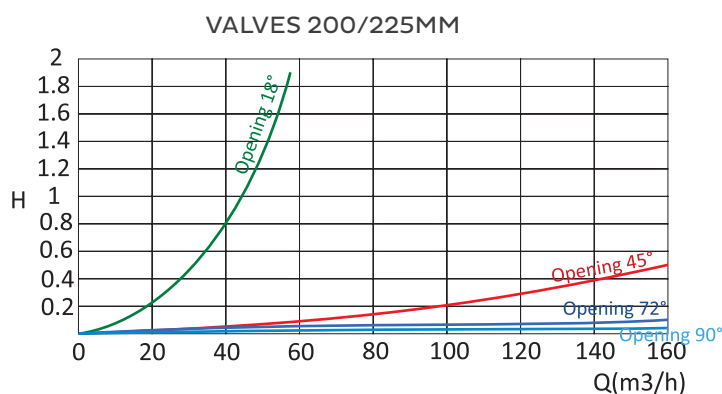
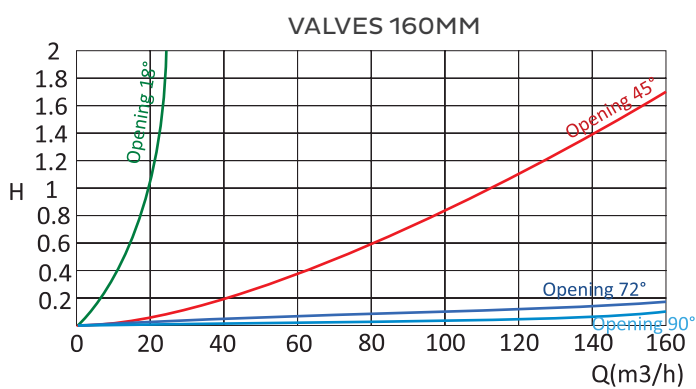
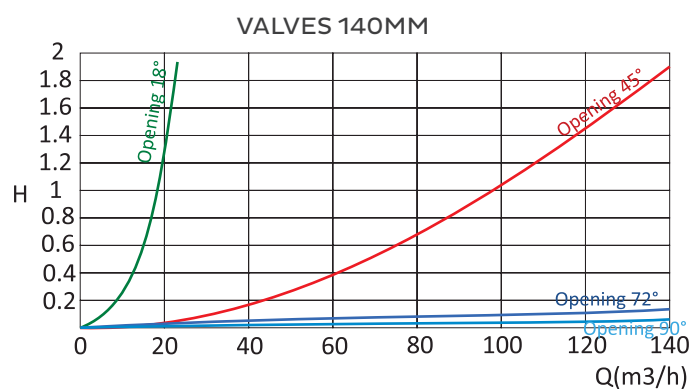
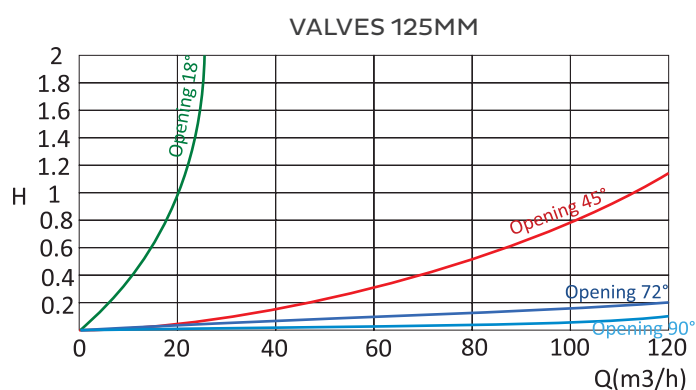
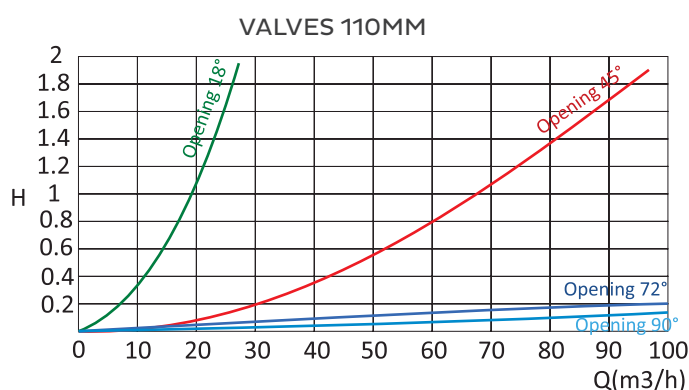
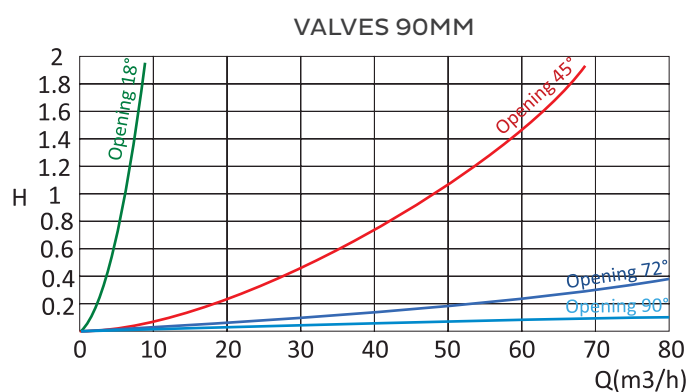
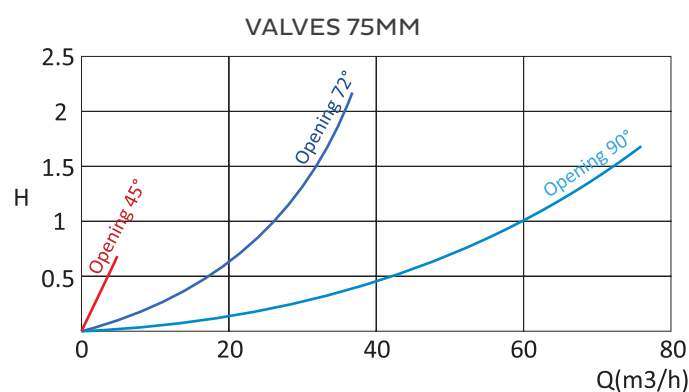
ELECTRIC DRIVEN
VALVE



PNEUMATIC DRIVEN
VALVE



LOAD LOSS CURVES

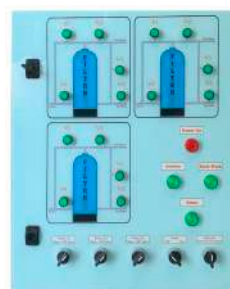


22 | CONTROL PANEL FOR VALVE MANIFOLDS

✓ Technical features

Control panel for electric or pneumatic actuated manifolds of 5 valves

- Automatic filtration, backwashing, rinsing and shut down operations
- Installed with automatic programming to execute standard operation or can be manually programmed to suit individual needs
- Quick and easy installation with a numbered terminal connection strip
- Voltage: 230V Single phase
- Time and pressure control



Q Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CPA5V-E-1	Control panel for electrically actuated manifolds of 5 valves for 1 filter	1	23.8	0.0615
CPA5V-E-2	Control panel for electrically actuated manifolds of 5 valves for 2 filters	1	23.8	0.0615
CPA5V-E-3	Control panel for electrically actuated manifolds of 5 valves for 3 filters	1	23.8	0.0615
CPA5V-E-4	Control panel for electrically actuated manifolds of 5 valves for 4 filters	1	23.8	0.0615
CPA5V-E-5	Control panel for electrically actuated manifolds of 5 valves for 5 filters	1	23.8	0.0615
CPA5V-E-6	Control panel for electrically actuated manifolds of 5 valves for 6 filters	1	23.8	0.0615
CPA5V-P-1	Control panel for pneumatically actuated manifolds of 5 valves for 1 filter	1	23.8	0.0615
CPA5V-P-2	Control panel for pneumatically actuated manifolds of 5 valves for 2 filters	1	23.8	0.0615
CPA5V-P-3	Control panel for pneumatically actuated manifolds of 5 valves for 3 filters	1	23.8	0.0615
CPA5V-P-4	Control panel for pneumatically actuated manifolds of 5 valves for 4 filters	1	23.8	0.0615
CPA5V-P-5	Control panel for pneumatically actuated manifolds of 5 valves for 5 filters	1	23.8	0.0615
CPA5V-P-6	Control panel for pneumatically actuated manifolds of 5 valves for 6 filters	1	23.8	0.0615

23 | QUARTZ SAND

Quartziferous sand for swimming pool filtering systems

- Sand type: Grinded Quartz
- Colour: White
- Weight: 25Kg bags



Q Models

CODE	GRANULOMETRY	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
FM-01	0.4 - 0.8	1	25	0.015
FM-02	1.0 - 2.0	1	25	0.015
FM-03	2.0 - 3.0	1	25	0.015
FM-04	3.0 - 5.0	1	25	0.015



24 | ACTIVATED FILTER MEDIA

✓ Technical features

BIOLOGICAL INSTEAD OF CHEMICAL APPROACH

Traditional water treatment tries to avoid disease transmission by using more and more chlorine, UVC irradiation or ozone. But the transmission of pathogens is a biological problem and therefore needs a biological solution. The approach of the Dryden Aqua integrated water treatment system does exactly that: Instead of using more powerful disinfections and expensive equipment, we designed a pool water treatment process that changes the water to make it difficult for virus, bacteria and parasites to live and reproduce.

PREVENT INSTEAD OF KILLING!

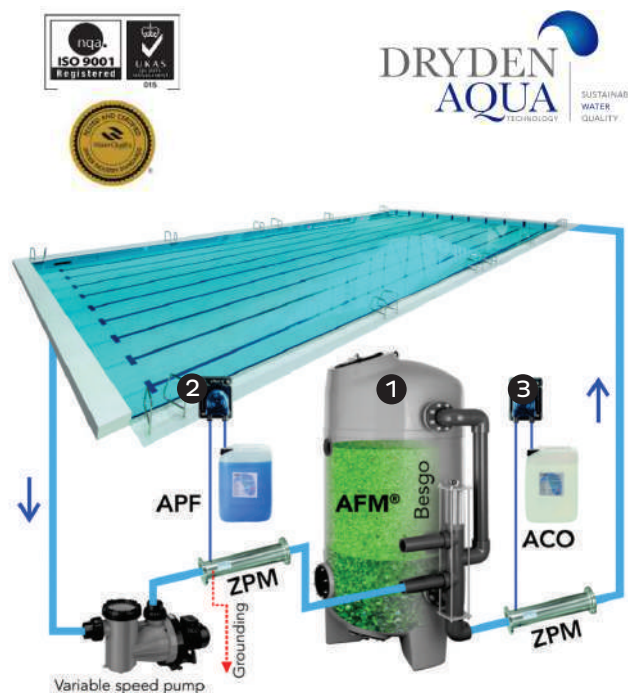
1.No substrate: As a consequence of our bio-resistant AFM®, bacteria have no substrate on which they can grow and multiply.

2.No nutrients: We remove food for bacteria by advanced coagulation, variable speed pump flocculation and filtration. Bacteria cannot grow anymore.

3.The lower the chlorine demand, the lower the disinfection by-products (DBP'S): DAISY filters almost everything out of the water and reduces the chlorine demand to the lowest level possible. The lower the chlorine oxidation demand, the lower the concentration of chlorine disinfection by-products in the water and in the air. AFM® stands for Activated Filter Media, a revolutionary filter media made from green container glass, developed by marine biologist Dr. Howard Dryden. AFM® exceeds the performance of quartz and glass sand by filtering 30% - 50% more organics and sub 5 micron particles out of the water. The catalytic properties on the surface of AFM® make it self-sterilizing and bio-resistant, which means no biofilm is formed in the filter bed. This reduces the chlorine demand and therefore the formation of harmful volatile disinfection by-products such as THM's, cyanogen chloride and trichloramine. Not only the chlorine smell but also the risk of getting infected by pathogens like Legionella or cryptosporidium, is greatly reduced. The pool is healthier for people, especially children, safer for the environment and economical with crystal clear water. AFM® has been successfully used in over 500,000 public and private swimming pools worldwide.

AFM® — ACTIVATED FILTER MEDIA 10

AFM® is a unique bio-resistant filter media. The raw material used for AFM® is green container glass. The glass is washed, disinfected, thermally treated and then reduced to a very specific grain size and shape. For security reasons, the production process (cyclonic size reduction) assures that no dangerous glass splinters are present in the filter media. After size reduction, the grains are activated in a patented three-step process. This creates a mesoporous structure with a huge catalytic surface area of 50'000 m² per m³. The surface area is 300 times larger than the surface area of sand or other glass filter media. The surface area is important for all adsorptive and catalytic reactions. In contact with the water free radicals (OH-radicals) are formed, which protect the surface from bio-fouling. The larger the surface area the higher performance and bio-resistance you will get from the media.



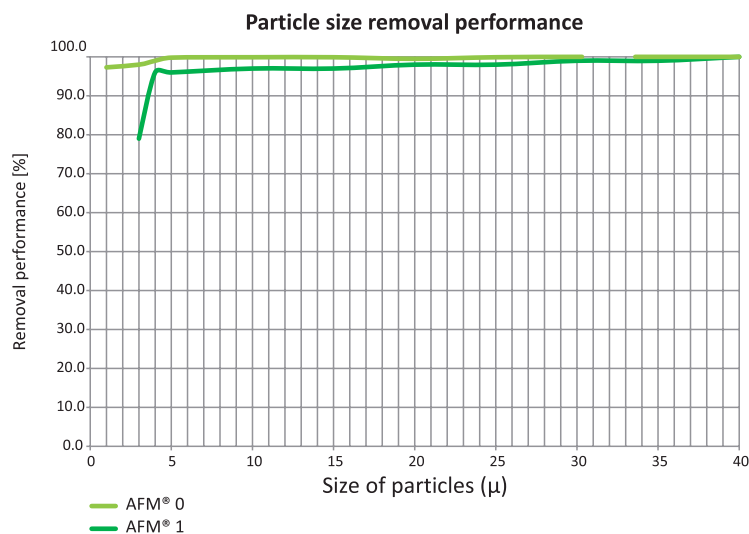
- 1 Filtration with AFM®
- 2 Coagulation and flocculation with APF and ZPM
- 3 Catalytic oxidation with ACO

To produce one ton of AFM®, 1.8 tons of green glass is needed. AFM® is produced according to ISO 9001-2008 standards. We now also have the world's most important certification for drinking water: NSF 61.

Advantages:

- Crystal clear water - AFM® filters at least 30 - 50% more than quartz or glass sand.
- Lower consumption of chlorine - The better the filtration, the lower the chlorine demand.
- No trichloramine - no chlorine smell AFM® prevents growth of biofilm.
- No biofilm, no Legionella - Biofilm is a home for pathogens such as Legionella.
- Perfection for chlorine-free systems - AFM® greatly reduces the oxidation demand.

AFM® - ACTIVATED FILTER MEDIA



The graph opposite shows the latest test results (July 2014) from IFTS (Institut de la Filtration et des Techniques Séparatives, www.ifts-sls.com).

Different glass filter media and sands were tested. The experiment was done without flocculation and at a filtration rate of 20m³/h to get a representative comparison. AFM® 1 will remove more than 95% of all particles in the water down to 4 microns. The best a new, very high quality sand or other glass filter media can achieve is 20 microns at an efficiency of 95%. In addition, the filtration performance with AFM® will stay at this high level for many years.

- AFM® 0 has been developed for best filtration where flocculation cannot be used.
- AFM® 0 is able to remove particles of 1 micron at an efficiency of more than 95%.
- AFM® 0 cannot be combined with flocculation. The backwash speed should be about 30 m³/h.

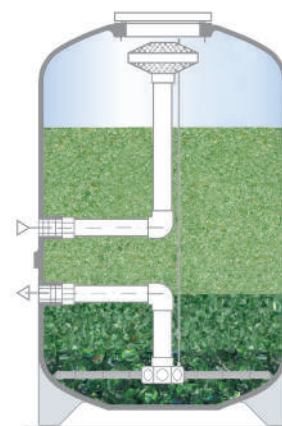
Important:

For smaller filters (<1000 mm diameter) and for all filters with nozzle plate, irrespective of filter diameter, use 70% of AFM®1 and 30% of AFM®2. AFM®3 is for larger diameter filters to ensure adequate filtration.

Filter filling:

Dryden Aqua recommends the following layers:

WITHOUT AFM® 0	WITH AFM® 0
70% AFM® 1	20% AFM® 0
15% AFM® 2 as supporting layer	50% AFM® 1
15% AFM® 3 as supporting layer	30% AFM® 2 and AFM® 3 as supporting layer



Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
AFM-00	AFM® GRADE 0 0.25 - 0.5 mm	1	25	0.015
AFM-01	AFM® GRADE 1 0.5 - 1.0 mm	1	25	0.015
AFM-02	AFM® GRADE 2 1.0 - 2.0 mm	1	25	0.015
AFM-03	AFM® GRADE 3 2.0 - 4.0 mm	1	25	0.015



25 | ZPM - ZETA POTENTIAL MIXER 30

✓ Technical features

The static mixer for the cavitation of water

ZPM stands for Zeta Potential Mixer and is a static mixer manufactured in stainless steel 1.4571. The cavitation reactions help to disinfect the water for a lifetime.

Upstream of the filter — optimize coagulation and flocculation:

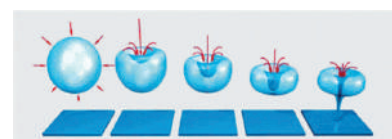
The ZPM amplifies the coagulation and flocculation reactions for the conversion and precipitation of dissolved components into small particles. The cavitation reactions provide the perfect mixing and turbulent environment necessary for coagulation using APF and NoPhos. The ZPM neutralises the electrical charge (Zeta Potential) on dissolved chemicals and small particles to make some positively and some negatively charged. The opposite charges attract and this causes coagulation and flocculation. As the electrical potential drops to neutral, the redox oxidation potential of the water increases by up to 100 mV, effectively the water is beginning to disinfect itself without the use of any chemicals.

Choose the size of the ZPM according to the pressure loss. Pressure loss should be between 1 and 2 mWS (0,1 - 0,2 bar).

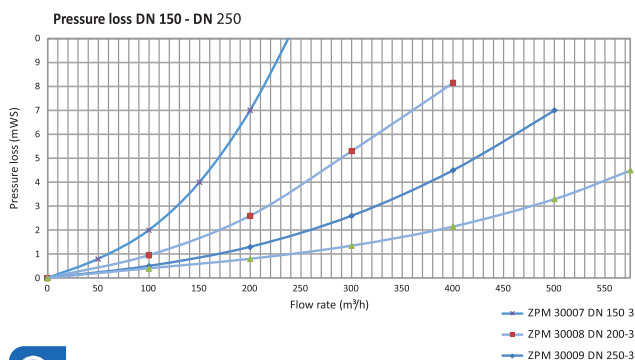
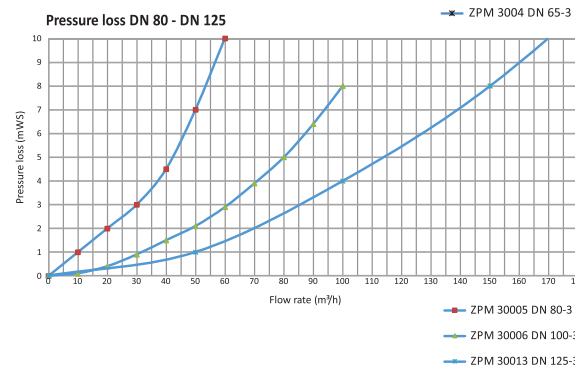
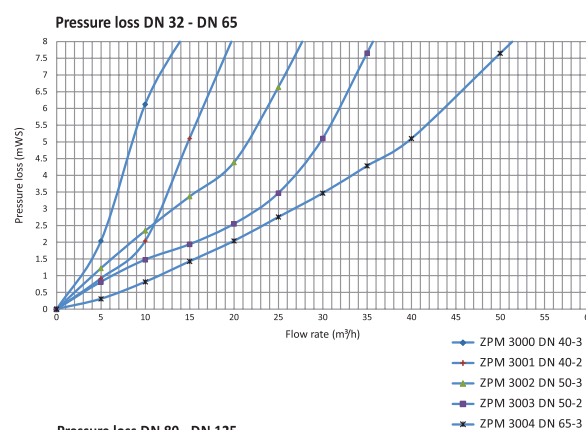
Downstream of the filter - mechanical disinfection:

The cavitation produce nano-bubbles that disinfect the water. The higher the pressure loss, the better the disinfection performance. Some pathogens (e.g. Cryptosporidium) as well as biofilm roctected colonies of bacterium floc are extremely resistant to chlorine. The ZPM breaks these colonies or floc apart and allows chlorine to disinfect the water before it reaches the pool

Choose the size of the ZPM according to the pressure loss. Pressure loss should be between 1 and 5 mWS (0,1 - 0,5 bar)



Imploding nano-bubbles disinfecting water



Models

CODE	SIZE	NO. OF FINNS	CONN.	LENGTH	PRESSURE LOSS (M³/H)			PACKING	WEIGHT	VOLUME
				mm	2mWS 0.2bar	3mWS 0.3bar	5mWS 0.5bar		kg	m³
30000	DN 40	3	1" ET	235	5	6.5	8.5	1	0.75	0.0009
30001	DN 40	2	1½" ET	195	10	12	15	1	0.75	0.0008
30002	DN 50	3	2" ET	300	8.5	13	21.5	1	1.2	0.0014
30003	DN 50	2	2" ET	240	15	23	30	1	1.2	0.0012
30004	DN 65	3	2½" ET	332	20	27	40	1	2.8	0.0023
30005	DN 80	3	3" FL	419.6	20	30	45	1	11.2	0.0036
30006	DN 100	3	4" FL	519.6	50	60	80	1	14.4	0.0079
30013	DN 125	3	5" FL	640	70	85	115	1	21	0.0259
30007	DN 150	3	6" FL	759.6	100	125	170	1	26.8	0.0148
30008	DN 200	3	8" FL	979.6	175	220	290	1	41.2	0.0576
30009	DN 250	3	10" FL	1219.6	260	325	420	1	58.6	0.0956

26 | REGENERATIVE MEDIA FILTER

NSF Approved for either Perlite or Diatomaceous Earth (D.E.). Regenerator utilizes a user-friendly touch screen controller and innovative flexible filter elements to provide the most reliable and optimal particulate removal down to 1 micron and requires no backwashing.

✓ Technical features

- Fully automated system with manual override options available
- Designed to operate full filtration range
- Integration with VFD and secondary components
- All models are NSF® listed
- Stainless steel components
- No backwashing conserving resources
- AQUA engineered bump mechanism
- Lower profile allowing access to more applications
- True ASME domed head for enhanced hydraulics
- No davit required to remove head for maintenance
- Reduces powerusage, thermal heat loss & chemical consumption
- 15 Year warranty



Dimensions

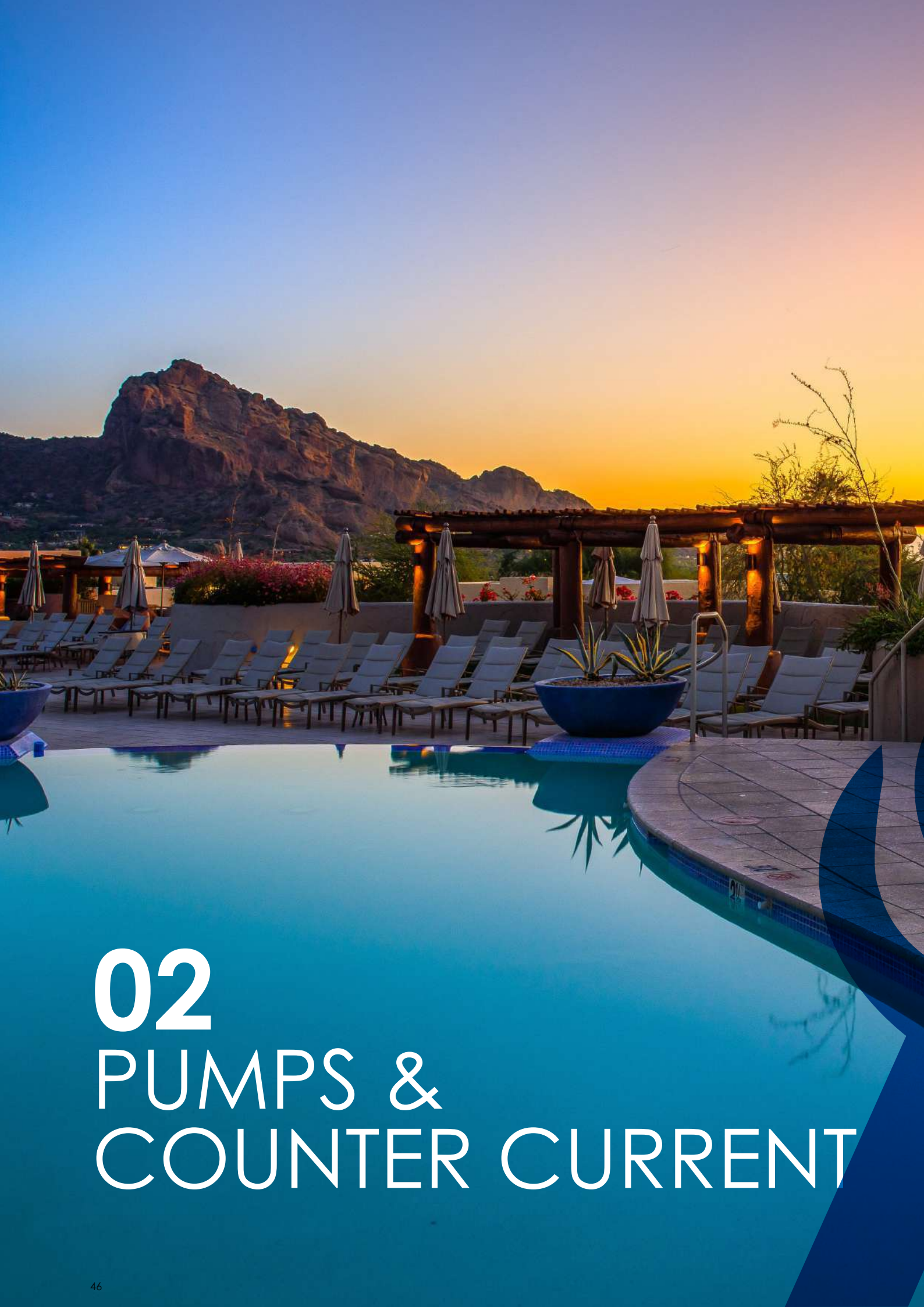
CODE	MAXIMUM DESIGN FILTRATION	EFFECTIVE FILTRATION AREA	DIMENSIONS mm		
	GPM/FT ²	FT ²	A	B	C
AQRGF225S	1.60	209	689	2280	595
AQRGF350S	1.60	351	838	2291	621
AQRGF500S	1.60	519	1003	2426	699
AQRGF700S	1.60	707	1143	2490	719
AQRGF900S	1.60	819	1286	2650	765
AQRGF1275S	1.60	936	1295	2681	738
AQRGF1400S	1.60	1141	1489	2786	830
AQRGF2100S	1.60	1539	1613	2970	870



Q Models

CODE	PRECOAT PIPE	TANK CONNECTION	FLOW RATE		TANK VOLUME	PRECOAT PERLITE	PRECOAT DIATOMACEOUS EARTH (DE)	OPERATING WEIGHT	PACKING	WEIGHT	VOLUME
	Ø Inch	Ø Inch	m ³ /h	gpm	m ³	kg	kg	kg		kg	m ³
AQRGF225S	3"	4"	48 - 76	212 - 335	0.488	11.79	22.67	680	1	465	0.98
AQRGF350S	4"	6"	76 - 128	337 - 565	0.923	18.59	35.83	1180	1	590	1.25
AQRGF500S	4"	6"	119 - 189	528 - 835	1.101	29.71	57.152	1928	1	794	1.79
AQRGF700S	6"	8"	163 - 258	719 - 1138	1.499	37.19	71.66	2177	1	998	2.15
AQRGF900S	6"	8"	185 - 297	819 - 1310	1.877	43.09	86.18	2721	1	1247	2.74
AQRGF1275S	6"	8"	215 - 341	950 - 1505	1.987	49.44	95.25	2948	1	1406	2.69
AQRGF1400S	8"	10"	258 - 413	1141 - 1825	2.729	63.04	117.93	4491	1	1860	3.62
AQRGF2100S	8"	10"	353 - 565	1560 - 2490	3.369	82.55	158.75	5262	1	2631	4.38

Note : These codes refer to filter bodies made of stainless steel AISI304 with a special coating. To specify plain stainless steel 304, add '-304' after the code. For stainless steel 316, add '-316' after the code.



02 PUMPS & COUNTER CURRENT

01	SELF PRIMING PUMP "EUROSWIM"	48
02	SELF PRIMING PUMP "EUROPRO"	50
03	SELF PRIMING PUMP "OPTIMA"	52
04	SELF PRIMING PUMP "WINNER"	54
05	VARIABLE SPEED PUMP "E.SWIM"	56
06	SELF PRIMING PUMP "KPA"	58
07	SELF PRIMING PUMP "MAGNUS"	60
08	VARIABLE SPEED PUMP "VSD.MAGNUS"	62
09	SELF PRIMING PUMP "VERT MAGNUS"	64
10	CENTRIFUGAL PUMP 2900 R.P.M. IN CAST IRON & BRONZE	66
11	CENTRIFUGAL PUMP "VERT CF-2/ VERT HF-2"	68
12	CENTRIFUGAL PUMP 1450 R.P.M. IN CAST IRON	70
13	CENTRIFUGAL PUMP "VERT CF-4/ VERT HF-4"	72
14	SAFETY VACUUM RELEASE SYSTEM	74
15	SUBMERSIBLE PUMP WITH INTERNAL FLOAT "VERTY NOVA"	76
16	AQUA COMBO FILTRATION SYSTEM	77
17	AQUA PREASSEMBLED COMPLETE BUNKER ROOM	78
18	STAINLESS STEEL PREFILTERS	81
19	CAST IRON PRE FILTER	82
20	COUNTER CURREN PUMP 'PCC' 900 R.P.M	83
21	VARIABLE FREQUENCY DRIVE.....	85



01 | SELF PRIMING PUMP "EUROSWIM"

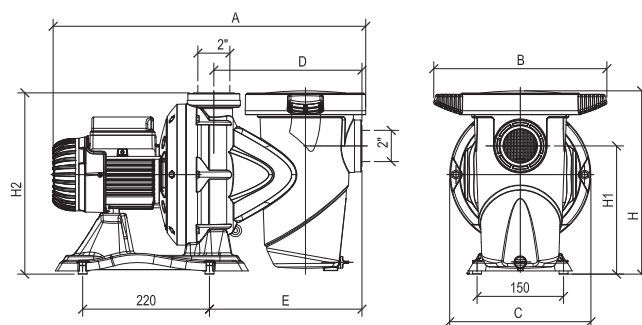
✓ Technical features

An extremely quiet and highly efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Euroswim' has been developed primarily for water circulation and filtration in residential swimming pools, but is also ideal for the commercial sector where it can handle aggressive liquids such as those found in fish farms, agriculture and industry.

- Fibreglass reinforced technopolymer body, impellar and diffuser
- Nylon strainer to prevent debris from entering the system
- Clear antioxidant polycarbonate strainer lid for visibility during operation
- Electrical motor shaft in stainless steel AISI 416 (Completely insulated from the water flow)
- Mechanical seal made in carbon, alumina, NBR and AISI 316
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs for easy removal and fitting. No tools necessary
- Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and 3-phase
- Motor casing in die-cast aluminium with electrophoresis surface treatment to prevent oxidation, even in aggressive environmental conditions
- Baseplate with rubber mounts to reduce vibration transmission
- Single phase version with integral thermal and over current protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.
- Power supply: Single phase 220-240V 50Hz, 3-phase 230/400V 50Hz, 60Hz on demand
- Operating range: Up to 42m³/h with pressure head up to 22m
- Maximum liquid temperature: 60° C
- Maximum ambient temperature: +50° C
- Motor: 2900 RPM
- Maximum operating pressure: 2.5 bar
- Protection rating: IP55
- Insulation rating: Class F
- Euroswim pumps are coming with SVRS system (Safety Vacuum Release System).
- The SVRS version includes a software function that disables pump suction if an obstruction is detected.
- The SVRS model provides an additional layer of protection against body suction entrapment.
- The system complies with the ASME/ANSI A112.19.17- 2010 SVRS standard.

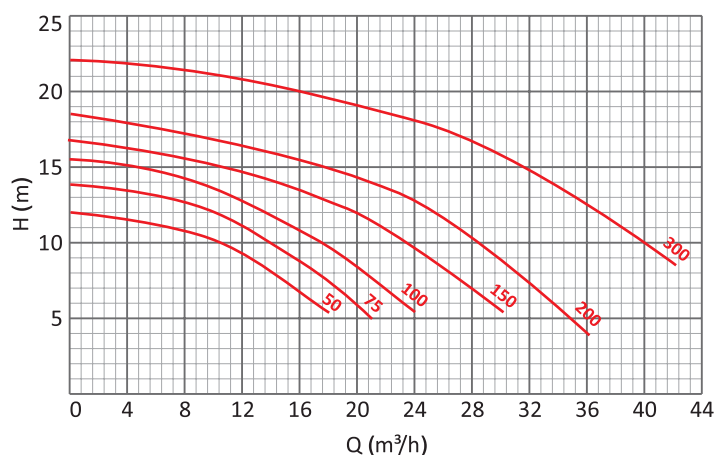


Dimensions



Models

CODE	CONNECTION DNA/DNM	INTENSITY A			DIMENSIONS								PACKING	WEIGHT	VOLUME
		II 230	III 230	III 400	A	B	C	D	E	H	H1	H2		kg	m ³
EUROSIM 50M	2"	4.2	-	-	536	242	242	257	265	351	222	314	1	16	0.086
EUROSIM 75M	2"	5	-	-	552	242	245	257	265	351	222	314	1	16.5	0.086
EUROSIM 75 T	2"	-	3.5	2	552	242	245	257	265	351	222	314	1	16.5	0.086
EUROSIM 100 M	2"	6.3	-	-	552	242	245	257	265	351	222	314	1	17	0.086
EUROSIM 100 T	2"	-	4	2.4	552	242	245	257	265	351	222	314	1	17	0.086
EUROSIM 150M	2"	7	-	-	574	250	290	267	274	387	258	350	1	22	0.10
EUROSIM 150 T	2"	-	6.5	3.7	574	250	290	267	274	387	258	350	1	22	0.10
EUROSIM 200 M	2"	8.6	-	-	648	250	290	267	274	387	258	350	1	24	0.10
EUROSIM 200 T	2"	-	7.2	4	648	250	290	267	274	387	258	350	1	22	0.10
EUROSIM 300 M	2"	12	-	-	648	252	290	267	274	387	258	350	1	24.5	0.10
EUROSIM 300 T	2"	-	8.7	5	648	252	290	267	274	387	258	350	1	24.5	0.10



HYDRAULIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	12	14	16	18	20	22	24
		(m)											
EUROSIM 50M	-	FLOW (m ³ /h)	-	17	15	11	-	-	-	-	-	-	-
EUROSIM 75M	EUROSIM 75 T		-	20	17	14	11	-	-	-	-	-	-
EUROSIM 100	EUROSIM 100 T		-	23	21	17	15	9	-	-	-	-	-
EUROSIM 150	EUROSIM 150 T		-	30	27	23	20	14	7	-	-	-	-
EUROSIM 200	EUROSIM 200 T		36	34	31	29	26	21	14	4	-	-	-
EUROSIM 300	EUROSIM 300 T		-	-	42	40	37	33	30	24	16	3	-

ELECTRIC FEATURES:

PUMP MODEL	INPUT POWER P1 W		MOTOR POWER P2		NOISE LEVEL
	SINGLE PHASE	THREE PHASE	kW	HP	MAX db A
EUROSIM 50M	900	-	0.33	0.5	60
EUROSIM 75 M	1000	-	0.5	0.75	60
EUROSIM 100 M	1300	-	0.75	1	60
EUROSIM 150 M	1600	-	1.1	1.5	60
EUROSIM 200 M	1900	-	1.5	2	60
EUROSIM 300 M	2800	-	2.2	3	60
EUROSIM 75 T	-	950	0.5	0.75	60
EUROSIM 100 T	-	1200	0.75	1	60
EUROSIM 150 T	-	1500	1.1	1.5	60
EUROSIM 200 T	-	1900	1.5	2	60
EUROSIM 300 T	-	2800	2.2	3	60



02 | SELF PRIMING PUMP "EUROPRO"

✓ Technical features

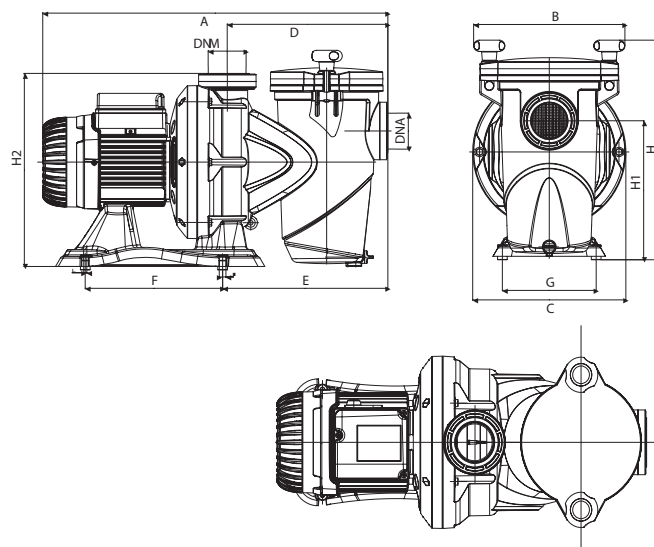
A highly reliable and efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Europro' is extremely quiet to run and developed to promote water circulation and filtration in residential swimming pools.

- Fibreglass reinforced technopolymer body, impellar and diffuser
- Nylon strainer to prevent debris from entering the system
- Strainer lid in clear antioxidant polycarbonate for visibility during operation
- Electrical motor shaft (Completely isolated from the water flow)
- Diffuser in reinforced technopolymer
- Mechanical seal in carbon / alumina / NBR / AISI 316.
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs for easy removal and refitting without tools
- Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and three-phase
- Motor casing in die cast aluminium with electrophoresis surface treatment to prevent oxidation even in aggressive environmental conditions
- Base plate with rubber mounts to reduce vibration transmission
- Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.
- Water-proof and sealed ball bearings for resistance to water and humidity.
- Motor construction to EN 60335-2-41 standards
- Recommended liquid: clean water or water slightly contaminated with suspended solid bodies, long fibre; highly aggressive water with high percentage of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolytic process.
- Installation can be fixed or portable in horizontal position
- Operating range: Up to 42m³/h with pressure head of up to 22m
- Maximum liquid temperature: 60°C
- Maximum ambient temperature: +50°C
- Motor: 2900 RPM
- Maximum operating pressure: 2.5 bar
- Protection rating: IPX5 50Hz and 60Hz on demand
- Insulation rating: Class F
- Standard: IEC-60364

Please note: Alternative voltages and/or frequencies available on request.
Fittings available on request: 2"/50mm – 63mm kit (two fittings + O-ring).
See accessories

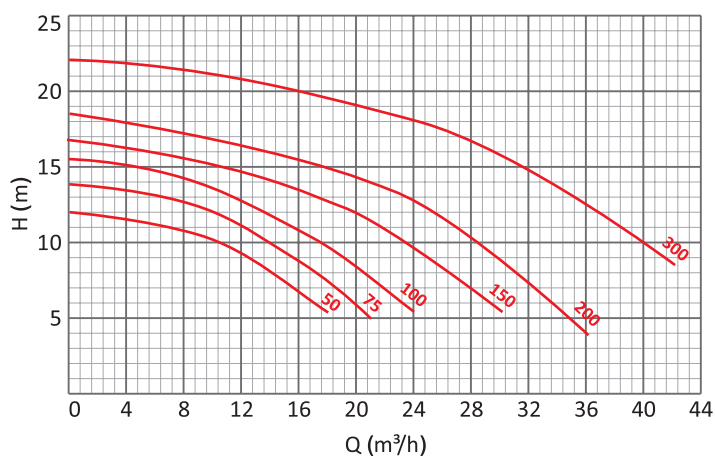


Dimensions



Q Models

CODE		CONNECTION DNA/DNM	DIMENSIONS												PACKING	WEIGHT kg	VOLUME m ³
A	B	C	D	E	F	G	H	H1	H2	I	L						
EUROPRO 50 M	-	2 "	542	242	242	257	265	220	150	351	222	314	11	6,5	1	16	0.086
EUROPRO 75 M	EUROPRO 75 T	2 "	552	242	245	257	265	220	150	351	222	314	11	6,5	1	16.5	0.086
EUROPRO 100 M	EUROPRO 100 T	2 "	552	242	245	257	265	220	150	351	222	314	11	6,5	1	17	0.086
EUROPRO 150 M	EUROPRO 150 T	2 "	574	250	290	267	274	220	150	387	258	350	11	6,5	1	22	0.108
EUROPRO 200 M	EUROPRO 200 T	2 "	648	311	290	267	274	220	150	387	258	350	11	6,5	1	24	0.108
EUROPRO 300 M	EUROPRO 300 T	2 "	648	252	290	267	274	220	150	387	258	350	11	6,5	1	24.5	0.108



HYDRAULIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	12	14	16	18	20	22	24
		(m)											
EUROPRO 50 M	-	FLOW (m³/h)	-	17	15	11	-	-	-	-	-	-	-
EUROPRO 75 M	EUROPRO 75 T		-	20	17	14	11	-	-	-	-	-	-
EUROPRO 100 M	EUROPRO 100 T		-	23	21	17	15	9	-	-	-	-	-
EUROPRO 150 M	EUROPRO 150 T		-	30	27	23	20	14	7	-	-	-	-
EUROPRO 200 M	EUROPRO 200 T		36	34	31	29	26	21	14	4	-	-	-
EUROPRO 300 M	EUROPRO 300 T		-	-	42	40	37	33	30	24	16	3	-

ELECTRIC FEATURES:

PUMP MODEL	INPUT POWER P1 W		MOTOR POWER P2		NOISE LEVEL
	SINGLE PHASE	THREE PHASE	kW	HP	MAX db A
EUROPRO 50M	900	-	0,33	0,5	64
EUROPRO 75M	1000	-	0,5	0,75	65
EUROPRO 100M	1300	-	0,75	1	66
EUROPRO 150M	1600	-	1,1	1,5	66
EUROPRO 200M	1900	-	1,5	2	67
EUROPRO 300M	2800	-	2,2	3	67
EUROPRO 75T	-	950	0.55	0.75	65
EUROPRO 100T	-	1200	0.75	1	66
EUROPRO 150T	-	1500	1.1	1.5	66
EUROPRO 200T	-	1900	1.5	2	66
EUROPRO 300T	-	2800	2,2	3	67



03 | SELF PRIMING PUMP "OPTIMA"

✓ Technical features

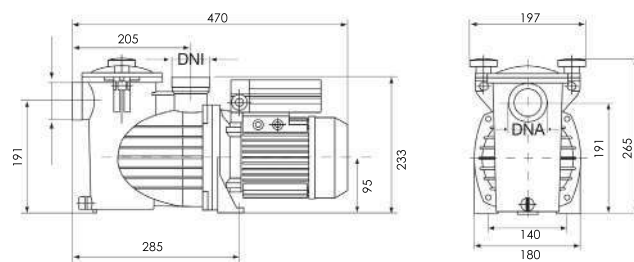
The 'Optima' is a self-priming swimming pool pump with great filtration capacity due to its excellent hydraulic performance and large built-in pre-filter.

- Transparent polycarbonate lid for easy inspection of the pre-filter sieve
- Electrical motor shaft (Completely isolated from the water flow)
- Body, lid and diffuser in polypropylene, resistant to the chemical products in pools and reinforced with fibreglass to ensure longevity
- Shaft in AISI 316 Stainless steel. Noryl impeller
- Aluminium support base
- Mechanical seal in carbon-ceramic and AISI 316 Stainless steel (Sea water compatible).
- Bolts in AISI-304 stainless steel.
- Standard asynchronous motor, sealed from external ventilation
- Motor bearings greased to ensure long life and silent operation
- Connections: Female thread of 1.5" and PVC pipe Ø 50mm glue fit / socket
- Motor: 2900 RPM
- Protection rating: IP55 50Hz and 60Hz on demand
- Maximum liquid temperature : +40 °
- Insulation rating: Class F



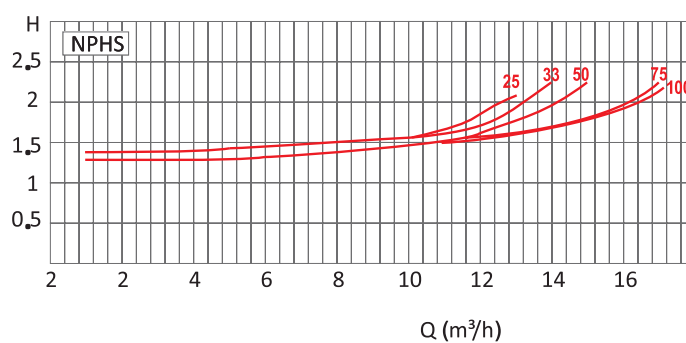
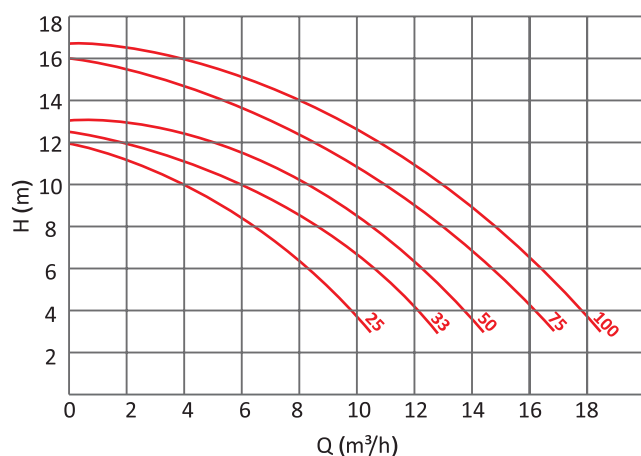
Large volume pre-filter basket for high quality filtering and to extend maintenance intervals

Dimensions



Models

CODE	CONNECTION (DNA/DNI)	INTENSITY A			PACKING	WEIGHT kg	VOLUME m³
		II 230	III 230	III 400			
OPT-025M	1½"-Ø50	2.6	-	-	1	9.5	0.052
OPT-025T	1½"-Ø50	-	1.3	0.8	1	9.5	0.052
OPT-033M	1½"-Ø50	2.9	-	-	1	9.5	0.052
OPT-033T	1½"-Ø50	-	1.9	1.1	1	9.5	0.052
OPT-050M	1½"-Ø50	3.3	-	-	1	10	0.052
OPT-050T	1½"-Ø50	-	2.5	1.4	1	10	0.052
OPT-075M	1½"-Ø50	3.8	-	-	1	10.5	0.052
OPT-075T	1½"-Ø50	-	3	1.7	1	10.5	0.052
OPT-100M	1½"-Ø50	4.2	-	-	1	10.5	0.052
OPT-100T	1½"-Ø50	-	3.4	2	1	10.5	0.052



HYDRAULIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	11	12	13	14	15	16
		(m)										
OPT-025M	OPT-025T	FLOW (m³/h)	10	8	6	4	2.5	0.5	-	-	-	-
OPT-033M	OPT-033T		12	10	8	5.5	4.6	2	-	-	-	-
OPT-050M	OPT-050T		14	12	10	7	6.5	5	-	-	-	-
OPT-075M	OPT-075T		16	15	12.5	10	9.3	8	6.6	4.2	-	-
OPT-100M	OPT-100T		18	16	14.8	13	12.1	10.5	9.7	7.6	6	4

ELECTRIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	INPUT POWER P1 kW		MOTOR POWER P2		NOISE LEVEL
		SINGLE PHASE	THREE PHASE	kW	HP	
50HZ	50HZ					MAX db A
OPT-025M	OPT-025T	0.53	0.53	0.16	0.25	62
OPT-033M	OPT-033T	0.55	0.55	0.25	0.33	63
OPT-050M	OPT-050T	0.68	0.68	0.37	0.50	64
OPT-075M	OPT-075T	0.88	0.85	0.55	0.75	66
OPT-100M	OPT-100T	0.97	0.89	0.70	0.95	68



04 | SELF PRIMING PUMP "WINNER"

✓ Technical features

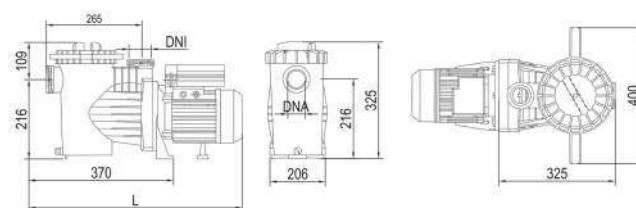
A reliable and highly efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Winner' is extremely quiet to run and developed for water circulation and filtration in residential swimming pools.

- Transparent polycarbonate lid for easy inspection of the pre-filter basket
- Electrical motor shaft (Completely isolated from the water flow)
- Includes a standard key for effortlessly opening of the pre-filter lid and fittings for the gluing.
- Pump body, lid, diffuser and opening key in polypropylene, resistant to the chemical products in pools and reinforced with fibreglass to ensure excellent longevity
- AISI 316 Stainless steel shaft
- Noryl impeller
- Aluminium support base
- Mechanical seal in AISI 316 Stainless steel (Sea water compatible)
- Bolts in AISI 304 stainless steel
- Connections: Female thread 2" and PVC pipe Ø 63 glue fit / socket
- Standard asynchronous motor, sealed from external ventilation
- Motor bearings greased to ensure long life and silent operation
- Power supply: 230V/415V 50Hz and 60Hz on demand
- Motor: 2900 RPM
- Maximum liquid temperature: +40°C
- Protection rating: IP55
- Insulation rating: Class F



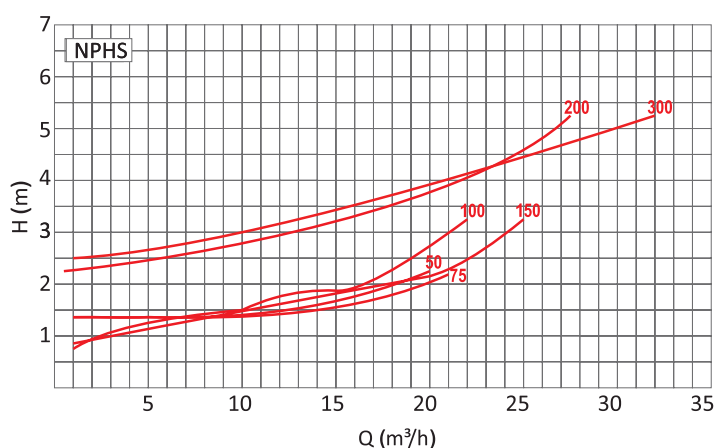
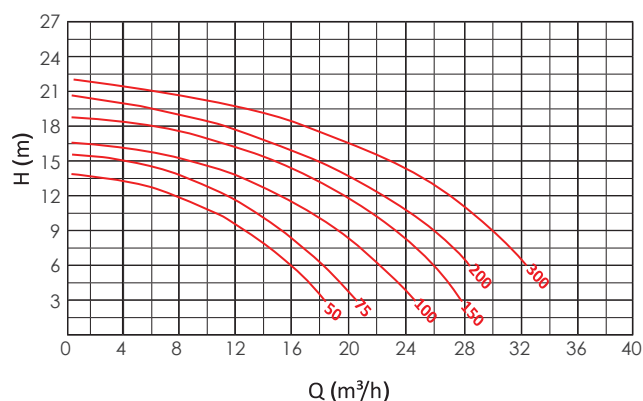
Large volume pre-filter basket for high quality filtering and to increase maintenance intervals
Standard double handle pre-filter lid key for comfort and easy access

📏 Dimensions



🔍 Models

CODE	CONNECTION (DNA - DNI)	INTENSITY A			LENGTH (L) mm	PACKING	WEIGHT kg	VOLUME m³
		II 230	III 230	III 400				
WIN-050M	2"- Ø63	4.4	-	-	550	1	12.5	0.052
WIN-050T	2"- Ø63	-	2.4	1.4	550	1	12.5	0.052
WIN-075M	2"- Ø63	4.75	-	-	550	1	13	0.052
WIN-075T	2"- Ø63	-	3.1	1.8	550	1	12.5	0.052
WIN-100M	2"- Ø63	5.5	-	-	550	1	14	0.052
WIN-100T	2"- Ø63	-	3.8	2.2	550	1	14	0.052
WIN-150M	2"- Ø63	7.3	-	-	575	1	17	0.052
WIN-150T	2"- Ø63	-	5.0	2.9	575	1	15.5	0.052
WIN-200M	2"- Ø63	9.2	-	-	647	1	18.5	0.052
WIN-200T	2"- Ø63	-	6.0	3.5	575	1	17	0.052
WIN-300M	2"- Ø63	12.2	-	-	650	1	22	0.058
WIN-300T	2"- Ø63	-	8.6	5.0	650	1	19	0.058



HYDRAULIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	12	14	16	18	20
		(m)									
WIN-050M	WIN-050T	FLOW (m³/h)	17.7	16	14	11.5	7.7	-	-	-	-
WIN-075M	WIN-075T		20	18.2	16.5	14	11	6	-	-	-
WIN-100M	WIN-100T		24	22	20	18	15	11	5	-	-
WIN-150M	WIN-150T		27.5	25.5	23.5	21.5	19	16	12	6	-
WIN-200M	WIN-200T			28.2	26.5	24.3	22	19	15.2	10.5	3
WIN-300M	WIN-300T			32.5	31	29	26	23	19.5	15.2	9.8

ELECTRIC FEATURES:

SINGLE PHASE MODELS	THREE PHASE MODELS	INPUT POWER P1 kW		MOTOR POWER P2		NOISE LEVEL
		SINGLE PHASE	THREE PHASE	kW	HP	
50HZ	50HZ					MAX db A
WIN-050M	WIN-050T	0.98	0.96	0.37	0.50	65
WIN-075M	WIN-075T	1.11	1.1	0.55	0.75	66
WIN-100M	WIN-100T	1.3	1.28	0.75	1	67
WIN-150M	WIN-150T	1.7	1.75	1.1	1.5	69
WIN-200M	WIN-200T	2.1	2.18	1.5	2	71
WIN-300M	WIN-300T	2.23	2.25	2.2	3	71



05 | VARIABLE SPEED PUMP "E.SWIM"

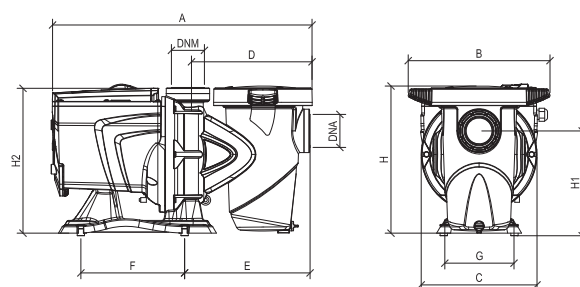
✓ Technical features

An energy efficient and highly robust, self-priming centrifugal pump, equipped with a large capacity pre-filter to increase water circulation and filtration in residential swimming pools. Also suitable for applications where the handling of aggressive liquids is required. The 'Eswim' operates in complete silence, programmable with a remote control and is fully compatible with salt water systems.

- Fibreglass reinforced technopolymer body, impeller and diffuser
- Nylon strainer to prevent debris from entering the system
- Strainer lid in clear antioxidant polycarbonate for easy inspection
- Electrical motor shaft (Completely isolated from the water flow)
- Mechanical seal in carbon / alumina / NBR / AISI 316
- Butterfly drain plugs for easy removal and refitting without tools
- Supplied with remote control for even greater efficiency and using the latest Trench IGBT technology
- Two dedicated 32-bit processors. One for the motor and one for the highly intuitive user interface. Very easy to operate
- Onboard computer and intelligent software to operate at adjustable 'Constant speed' or 'Constant flow' (no sensor required) to optimise performance and minimise energy use
- Range reduction 1.5 HP model covers the performance of 4 pumps (0.5HP, 0.75HP, 1HP, 1.5HP) and 3HP models covers the performance of 6 pumps (0.5HP, 0.75HP, 1HP, 1.5HP, 2HP, 3HP)
- Power supply: Single phase 230V 50 and 60Hz on demand
- Operating range: Up to 30m³/h with pressure head of up to 15.4m
- Maximum liquid temperature: +40°C (Minimum +4°C)
- Maximum ambient temperature: +50°C
- Motor: 4 speeds (2250 RPM, 3150 RPM, 3825 RPM and 4500 RPM)
- Maximum operating pressure: 2.5 bar
- Protection rating: IP55
- Insulation rating: Class F
- E.swim pumps are coming with SVRS system (Safety Vacuum Release System).
- The SVRS version includes a software function that disables pump suction if an obstruction is detected.
- The SVRS model provides an additional layer of protection against body suction entrapment.
- The system complies with the ASME/ANSI A112.19.17- 2010 SVRS standard.

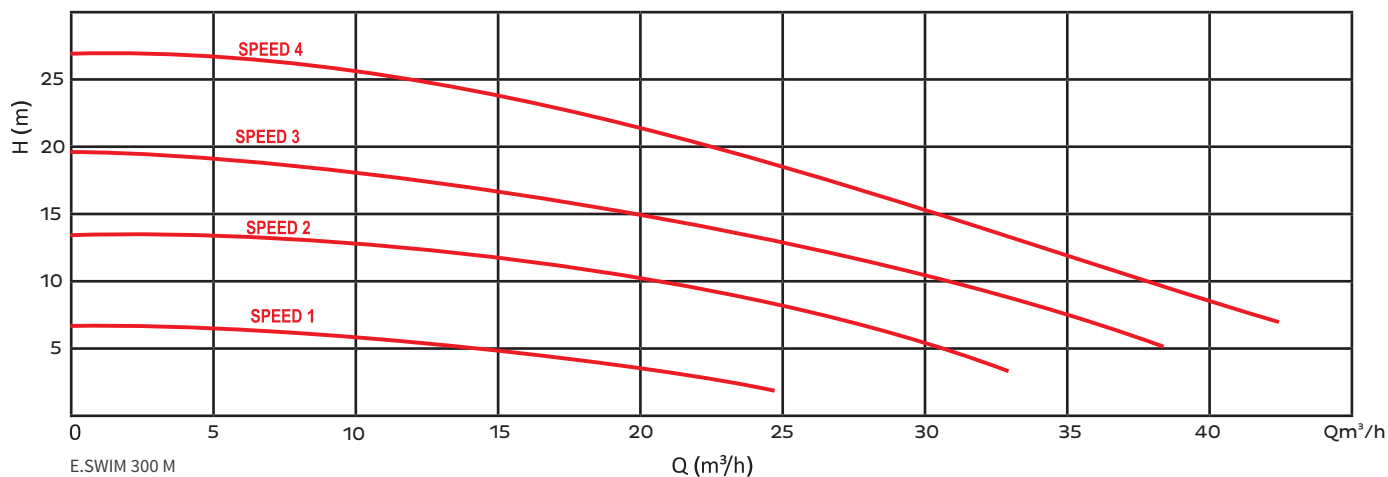
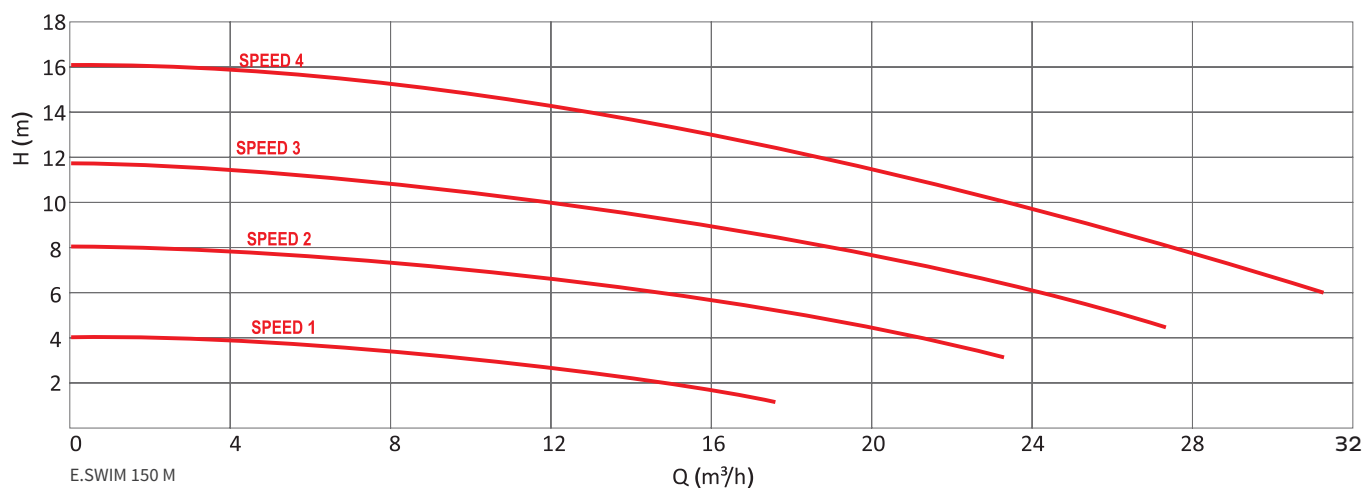


Dimensions



Models

CODE		INTENSITY A		DIMENSIONS										PACKING	WEIGHT kg	VOLUME m ³
		II 230	III 230	A	B	C	D	E	F	G	H	H1	H2			
E.SWIM 150 M	2"	5.6	-	550	300	245	259	266	220	150	316	217	309	1	19	0.086
E.SWIM 300 M	2"	10	-	574	304	290	269	276	220	150	354	252	344	1	21.3	0.108



HYDRAULIC FEATURES:

SPEED VARIATIONS	HEIGHT	1	3	5	7	9	11	13	15	25
	(m)									
E.SWIM 150 SPEED 1-2250 RPM	FLOW (m³/h)	-	12	-	-	-	-	-	-	-
E.SWIM 150 SPEED 2-3150 RPM		-	23	18	12	-	-	-	-	-
E.SWIM 150 SPEED 3-3825 RPM		-	-	-	22.5	16	8	-	-	-
E.SWIM 150 SPEED 4-4500 RPM		-	-	-	30	26	21	16	8	-
E.SWIM 300 SPEED 1-2385 RPM		-	24.5	15	-	-	-	-	-	-
E.SWIM 300 SPEED 2-3330 RPM		-	-	30	28	23	18	5	-	-
E.SWIM 300 SPEED 3-4050 RPM		-	-	38	36	32	29	23	20	-
E.SWIM 300 SPEED 4-4770 RPM		-	-	-	42.5	39	36	32	30	5

ELECTRIC FEATURES:

PUMP MODELS	MAX. RPM	INPUT POWER P1 50/60 HZ	OUTPUT POWER P2		NOISE LEVEL
		MAX KW	MAX KW	MAX HP	MAX db A
E.SWIM 150	4500	1.25	1.1	1.5	50
E.SWIM 300	4770	2.25	1.9	2.6	50



06 | SELF PRIMING PUMP "KPA"



✓ Technical features

KPA-250/550 Features

- Thermoplastic injected high capacity pre-filter (8.1)
- Hydraulic body in noryl, reinforced with fibreglass
- Hinged cover screws with stainless steel studs
- Impeller and flange in noryl, reinforced with fibreglass
- Maximum liquid temperature: 50° C
- Maximum operating pressure: 2.5 bar
- Protection rating: IP55
- Insulation rating: Class F
- Motor: 2850 RPM @ 50Hz and 60Hz on demand



KPA - 250/550

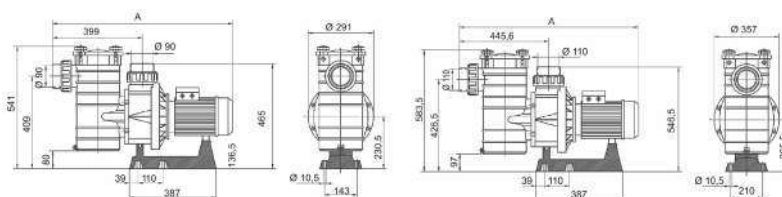


KPA - 500/1250

KPA-500/1250 Features

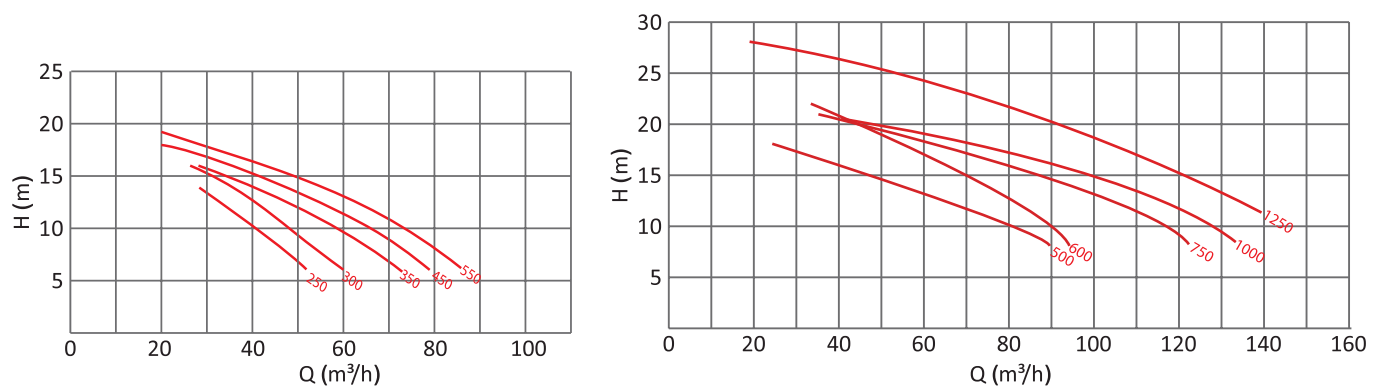
- Thermoplastic injected high capacity pre-filter (4.1)
- Hydraulic body in noryl, reinforced with fibreglass
- Hinged cover screws with stainless steel studs
- Impeller and flange in noryl, reinforced with fibreglass
- Maximum liquid temperature: 50° C
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F
- Motor: 2850 RPM @ 50Hz and 60Hz on demand

Dimensions



Models

CODE	CONNECTION (DNA - DNI)	INTENSITY A				DIMENSIONS	PACKING	WEIGHT	VOLUME
	mm	II 230	III 230	III 400	III 700	A		kg	m ³
KPA 250M	90	12.4	-	-	-	760	1	28.5	0.14
KPA 300M	90	14.5	-	-	-	760	1	30.5	0.14
KPA 250	90	-	8.3	4.8	-	760	1	25.5	0.14
KPA 300	90	-	8.8	5.1	-	760	1	26.2	0.14
KPA 350	90	-	10.4	6.0	-	801	1	30.5	0.14
KPA 450	90	-	11.7	6.75	-	801	1	30.5	0.14
KPA 550	90	-	14.6	8.5	5.0	815	1	35.5	0.14
KPA 500	110	-	15.6	9	5.2	889	1	45	0.21
KPA 600	110	-	20	11.5	6.6	914	1	46	0.21
KPA 750	110	-	20.9	12.1	7	914	1	52	0.21
KPA 1000	110	-	27.3	15.8	9.2	944	1	66	0.21
KPA 1250	110	-	31.2	18	10.4	984	1	76	0.21

**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEAD (m)	6	8	10	12	14	16	18	20	22	24	26
		FLOW (m³/h)											
KPA250M	KPA250M	FLOW (m³/h)	52	47	41	35	28	-	-	-	-	-	-
KPA300M	KPA300M		60	54	48	42	35	26	-	-	-	-	-
-	KPA 350		73	60	58	50	41	28	-	-	-	-	-
-	KPA 450		75	70	66	57	47	36	23	-	-	-	-
-	KPA 550		86	80	73	67	52	42	28	-	-	-	-
-	KPA 500		-	90	80	64	47.5	39.9	23	-	-	-	-
-	KPA 600		-	94	90	84	75	64	54	44	-	-	-
-	KPA 750		-	122	117	108	92	80	57	44	-	-	-
-	KPA 1000		-	133	128	112	105.5	90	70	49	-	-	-
-	KPA 1250		-	-	-	139	126	118	100	90	82	63	40

ELECTRIC FEATURES:

PUMP MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
		kW	HP	
50 HZ	kW			MAX db A
KPA250M	2.30	1.8	2.5	65.2
KPA300M	2.76	2.2	3.0	65.8
KPA 350	3.70	9.6	3.5	68.4
KPA 450	4.30	3.3	4.5	74
KPA 550	4.70	4.1	5.5	82
KPA 500	4.70	4.1	5.5	80
KPA 600	5.75	4.8	6.5	82
KPA 750	7.00	5.5	7.5	85
KPA 1000	8.70	7.4	10	87
KPA 1250	10.2	9.3	12.5	87



07 | SELF PRIMING PUMP "MAGNUS"

✓ Technical features

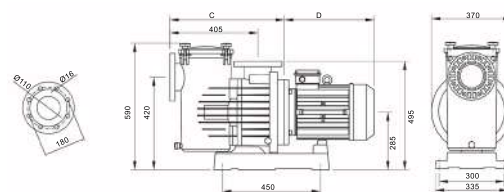
A high flow, self-priming pump with a large pre-filter, which together with an excellent hydraulic performance, delivers a very large filtration system. The 'Magnus' swimming pool pump is extremely quiet and is available with 2 and 4 pole motors with speeds of up to 2,850 RPM.

- Clear polycarbonate lid with four-pin locking system for easy access and viewing of the pre-filter basket
- Flanged connections and a broad base makes this system very robust. (Counter flanges are not supplied as standard but available on request)
- Turbine available in noryl or marine bronze – Available on request
- Pump and pre-filter bodies, volute, counter volute and cover in polypropylene reinforced with fibreglass
- Excellent chemical resistance
- Large polythene pre-filter to prevent debris from damaging the pump
- Noryl impeller (Bronze impeller on 2 pole models)
- Mechanical seal in ceramic carbon and AISI 316 stainless steel (Sea water compatible)
- AISI 316 Stainless steel shaft and screws
- Enclosed IE3 asynchronous motor with external ventilation
- Motor bearings greased to ensure long life and silent operation
- Working frequency: 50Hz and 60Hz on demand
- Maximum water temperature: 50° C
- Maximum ambient temperature: +40° C
- Motor: 1450 RPM @ 50Hz (Models 250 to 1000), 2850 RPM @ 60Hz (Models 1250 and 1500)
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F



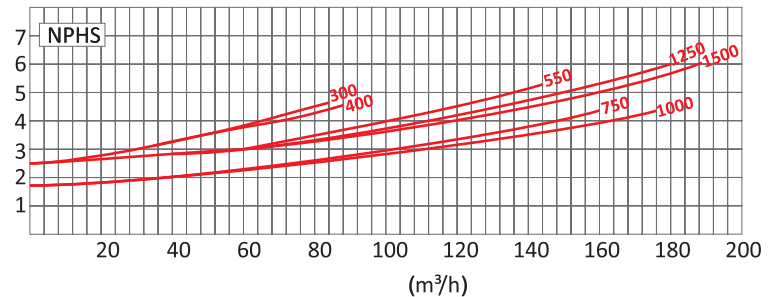
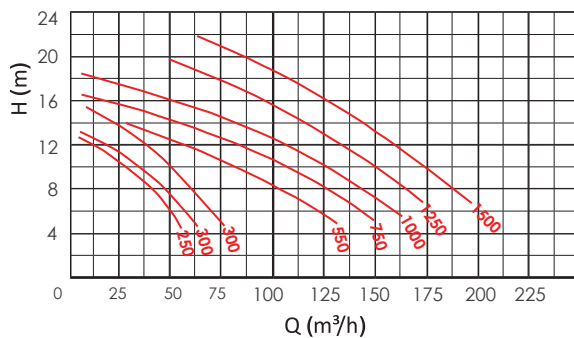
4 poles motor for power ratings between 3 and 10hp. 2 poles motor for 12.5 and 15hp.
With all models impeller available in noryl or bronze.

Dimensions



Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		C	D	PACKING	WEIGHT	VOLUME
	mm	III 230	III 400	mm	mm		kg	m ³
MAGNUS-4 250	110	8.5	4.9	530	310	1	42	0.19
MAG-4-250-BRIM	110	8.5	4.9	530	310	1	42	0.19
MAGNUS-4 300	110	9.4	5.3	530	310	1	42.5	0.19
MAG-4-300-BRIM	110	9.4	5.3	530	310	1	42.5	0.19
MAGNUS-4 400	110	12.5	6.9	530	310	1	44.5	0.19
MAG-4-400-BRIM	110	12.5	6.9	530	310	1	44.5	0.19
MAGNUS-4 550	110	15.3	8.8	530	335	1	53.4	0.32
MAG-4-550-BRIM	110	15.3	8.8	530	335	1	53.4	0.32
MAGNUS-4 750	110	-	12	508	380	1	66	0.32
MAG-4-750-BRIM	110	-	12	508	380	1	66	0.32
MAGNUS-4 1000	110	-	15.8	508	380	1	76	0.32
MAG-4-1000-BRIM	110	-	15.8	508	380	1	76	0.32
MAGNUS-2-1250-BRIM	110	-	18.5	508	380	1	84.5	0.32
MAGNUS-2-1500-BRIM	110	-	20.9	508	380	1	85.5	0.32



HYDRAULIC FEATURES:

PUMP MODEL		HEIGHT	6	8	10	12	14	16	18	20	22
		(m)									
MAGNUS-4 250	MAG-250-BRIM	FLOW (m³/h)	50	39	31	12.5	-	-	-	-	-
MAGNUS-4 300	MAG-300-BRIM		58	49	37	18	-	-	-	-	-
MAGNUS-4 400	MAG-400-BRIM		70	62.5	51	38	25	-	-	-	-
MAGNUS-4 550	MAG-550-BRIM		123	104	84	57	30	-	-	-	-
MAGNUS-4 750	MAG-750-BRIM		143	127	107	85	57	18	-	-	-
MAGNUS-4 1000	MAG-1000-BRIM		160	145	126	107	80	48	14	-	-
-	MAG-1250-BRIM		-	167	150	136	118	99	75	50	-
-	MAG-1500-BRIM		-	188	175	160	146	127	110	87.5	62.5

ELECTRIC FEATURES:

PUMP MODELS		INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ		kW	kW	HP	MAX db A
MAGNUS-4 250	MAG-250-BRIM	2.43	1.8	2.5	59
MAGNUS-4 300	MAG-300-BRIM	2.97	2.2	3	60
MAGNUS-4 400	MAG-400-BRIM	3.83	3	4	61
MAGNUS-4 550	MAG-550-BRIM	5.54	4	5.5	63
MAGNUS-4 750	MAG-750-BRIM	6.85	5.5	7.5	65
MAGNUS-4 1000	MAG-1000-BRIM	8.26	7.5	10	66
-	MAG-1250-BRIM	13.7	9.2	12.5	67
-	MAG-1500-BRIM	15.7	11	15	68



08 | VARIABLE SPEED PUMP "VSD MAGNUS"

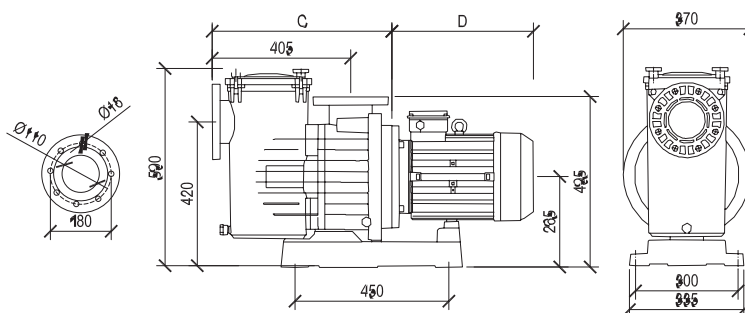
✓ Technical features

The VSD Magnus pump is an extremely quiet, new generation system, integrating a new frequency inverter that is highly efficient and reduces energy consumption. The 'VSD Magnus' is the perfect solution for large filtration systems in commercial swimming pools.

- Large capacity pre-filter basket
- Variable speed to optimise energy consumption
- Large multi-lingual display
- Communicates with up to 8 VSD Magnus pumps in a parallel network
- Alternate operation by time and schedule
- Self learning system that constantly searches the parameters that determines the dry running
- Protection against motor overloading by consumption
- Sea and saltwater compatible
- Power supply: 3-phase 400V 50Hz and 60Hz on demand
- Efficiency class: IE3+ inverter
- Maximum water temperature: 50°C
- Maximum ambient temperature: +40°C
- Motor: 1450 RPM
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F

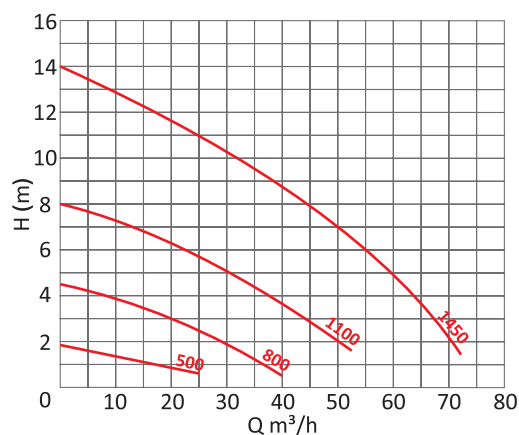


📏 Dimensions

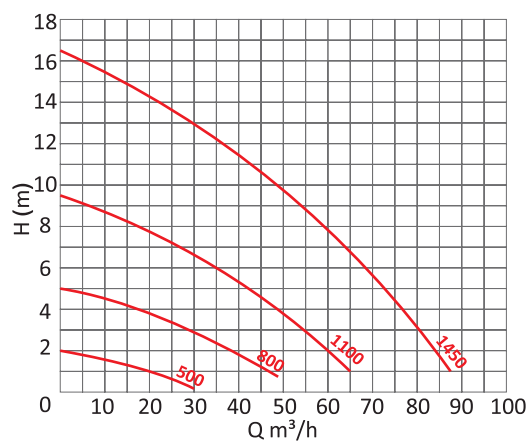


🔍 Models

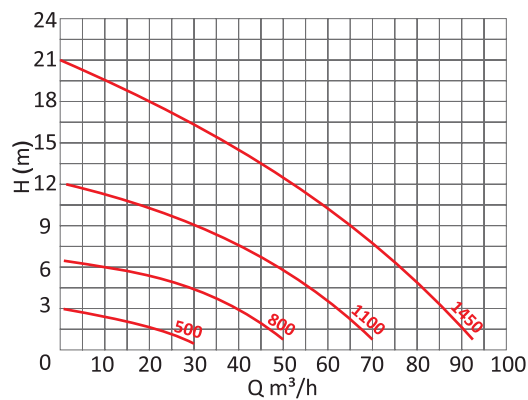
CODE	CONNECTIONS (DNA - DNI)	INTENSITY A	C	D	PACKING	WEIGHT	VOLUME
	mm					kg	m ³
VSD MAGNUS-4 250	110	4.8	530	310	1	42	0.19
VSD MAGNUS-4 300	110	5.3	530	310	1	42.5	0.19
VSD MAGNUS-4 400	110	6.9	530	310	1	44.5	0.19
VSD MAGNUS-4 550	110	8.8	530	335	1	53.4	0.32



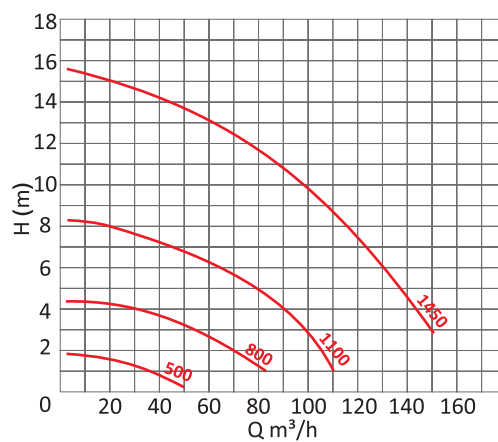
VSD MAGNUS-4 250



VSD MAGNUS-4 300



VSD MAGNUS-4 400



VSD MAGNUS-4 550

HYDRAULIC FEATURES:

PUMP MODEL	HEIGHT	RPM 500				RPM 800				RPM 1100				RPM 1450									
	(m)	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8	10	12	14	16	18	20
VSD, MAGNUS-4 250	FLOW (m³/h)	-	-	-	-	30	10	-	-	52	40	25		70	63	55	45	33	20	3	-	-	-
VSD, MAGNUS-4 300		-	-	-	-	40	20	-	-	60	50	37	18	85	77	68	60	48	35	20	3	-	-
VSD, MAGNUS-4 400		10	-	-	-	42	35	15	-	63	57	48	40	92	85	78	73	65	55	45	35	27	18
VSD, MAGNUS-4 550		-	-	-	-	70	20	-	-	108	90	65	25		145	130	115	100	75	48	-	-	-

ELECTRIC FEATURES:

SINGLE PHASE MODELS	RPM 500			RPM 800			RPM 1100			RPM 1450			NOISE LEVEL
	INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		
50 HZ	kW	kW	HP	kW	kW	HP	kW	kW	HP	kW	kW	HP	MAX db A
VSD, MAGNUS-4 250	0.124	0.092	0.12	0.486	0.36	0.48	1.32	0.98	1.31	2.43	1.8	2.5	59
VSD, MAGNUS-4 300	0.162	0.12	0.16	0.65	0.48	0.64	1.69	1.25	1.67	2.97	2.2	3	60
VSD, MAGNUS-4 400	0.194	0.152	0.20	0.80	0.63	0.84	2.08	1.63	2.18	3.83	3	4	61
VSD, MAGNUS-4 550	0.29	0.21	0.28	1.16	0.84	1.12	3.03	2.19	2.93	5.54	4	5.5	63



09 | SELF PRIMING PUMP "VERT MAGNUS"

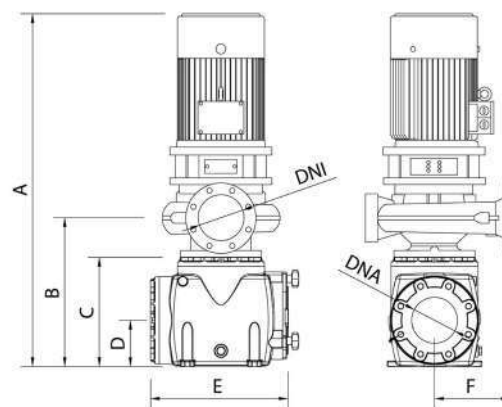
✓ Technical features

The Vert Magnus is an extremely quiet, high flow, self priming pump, available with 2 and 4 pole motors. Incorporating a large suction side pre-filter and excellent hydraulic performance ensures an extremely high filtration capacity, perfectly suited for large commercial swimming pools.

- AISI 316 Stainless steel pre-filter, shaft and mechanical seal
- Large pre-filter basket
- Standard connection flanges 110mm (4")
- Cataphoresis coating for high corrosion resistance
- Noryl impeller and support base (Bronze impeller available on request)
- AISI 316 Stainless steel mechanical seal
- IE3 asynchronous motor with external ventilation
- Lubricated bearings to ensure long life and quiet operation
- Sea and saltwater compatible
- Working Frequency: 50Hz and 60Hz on demand
- Maximum liquid temperature: +40°C
- Motor: 1450 RPM (models 250 to 1000), 2850 RPM (models 1250 and 1500)
- Protection rating: IP55
- Insulation rating: Class F

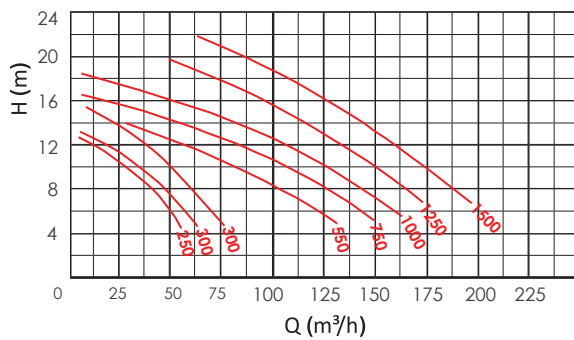


Dimensions



Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
		III 230	III 400	A	B	C	D	E	F		kg	m ³
CAST IRON	mm											
VERT MAGNUS-4-250	125-100	8.5	4.9	903	503	338	169	410	325	1	85	0.54
VERT MAGNUS-4-300	125-100	9.4	5.3	903	503	338	169	410	325	1	85.5	0.54
VERT MAGNUS-4-400	125-100	12.5	6.9	903	503	338	169	410	325	1	87.5	0.54
VERT MAGNUS-4-550	125-100	15.3	8.8	903	503	338	169	410	325	1	96.5	0.77
VERT MAGNUS-4-750	125-100	-	12	903	503	338	169	410	325	1	109	0.77
VERT MAGNUS-4-1000	125-100	-	15.8	903	503	338	169	410	325	1	119	0.77
VERT MAGNUS-4-1250	125-100	-	18.5	903	503	338	169	410	325	1	127.5	0.77
VERT MAGNUS-4-1500	125-100	-	20.9	903	503	338	169	410	325	1	128.5	0.77

**HYDRAULIC FEATURES:**

PUMP MODEL	HEIGHT	6	8	10	12	14	16	18	20	22
	(m)									
VERT MAGNUS-4-250	FLOW (m³/h)	50	39	31	12.5	-	-	-	-	-
VERT MAGNUS-4-300		58	49	37	18	-	-	-	-	-
VERT MAGNUS-4-400		70	62.5	51	38	25	-	-	-	-
VERT MAGNUS-4-550		123	104	84	57	30	-	-	-	-
VERT MAGNUS-4-750		143	127	107	85	57	18	-	-	-
VERT MAGNUS-4-1000		160	145	126	107	80	48	14	-	-
VERT MAGNUS-4-1250		-	167	150	136	118	99	75	50	-
VERT MAGNUS-4-1500		-	188	175	160	146	127	110	87.5	62.5

ELECTRIC FEATURES:

PUMP MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ	kW	kW	HP	MAX db A
VERT MAGNUS-4-250	2.43	1.8	2.5	59
VERT MAGNUS-4-300	2.97	2.2	3	60
VERT MAGNUS-4-400	3.83	3	4	61
VERT MAGNUS-4-550	5.54	4	5.5	63
VERT MAGNUS-4-750	6.85	5.5	7.5	65
VERT MAGNUS-4-1000	8.26	7.5	10	66
VERT MAGNUS-4-1250	13.7	9.2	12.5	67
VERT MAGNUS-4-1500	15.7	11	15	68



10 | CENTRIFUGAL PUMP 2900 R.P.M IN CAST IRON & BRONZE

✓ Technical features

A high volume centrifugal pump, ideal for large filtration systems in commercial swimming pools. Manufactured in cast iron (CF-2 and HF-2) or bronze (BR-2) for sea water installations and those that use saltwater electrolysis as a means of disinfection.

- Large pre-filter basket for extended intervals between maintenance
- Flange connection from DN-80 to DN-125
- Standard asynchronous, 2 pole motor, sealed from external ventilation. Simple to repair or replace without disruption to the valves or hydraulic system
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (HF-2 models only)
- Power supply: 230/400V 50Hz and 60Hz on demand
- IE3 standardised motor at 2900 RPM at 50 Hz (3450 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F

Construction (CF-2 and HF-2 models):

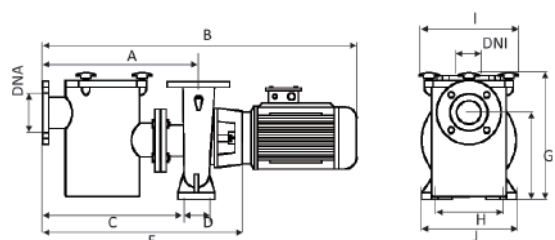
- Cast iron pump body, pre-filter, coupling and impeller (Bronze impeller available on request)
- AISI 316 Stainless steel shaft and pre-filter basket
- Carbon ceramic mechanical seal (Silicon carbide or tungsten carbon available on request)

Construction (BR-2 models):

- Pump body, pre-filter, support and impeller in DIN 1705 RG 5 bronze (G-CuSn 5 ZnPb)
- AISI 316 Stainless steel shaft, pre-filter basket and bolts
- Cast iron coupling
- Carbon ceramic and AISI 316 Stainless steel mechanical seal
- These pumps can be supplied in any other bronze alloy (Available on request)

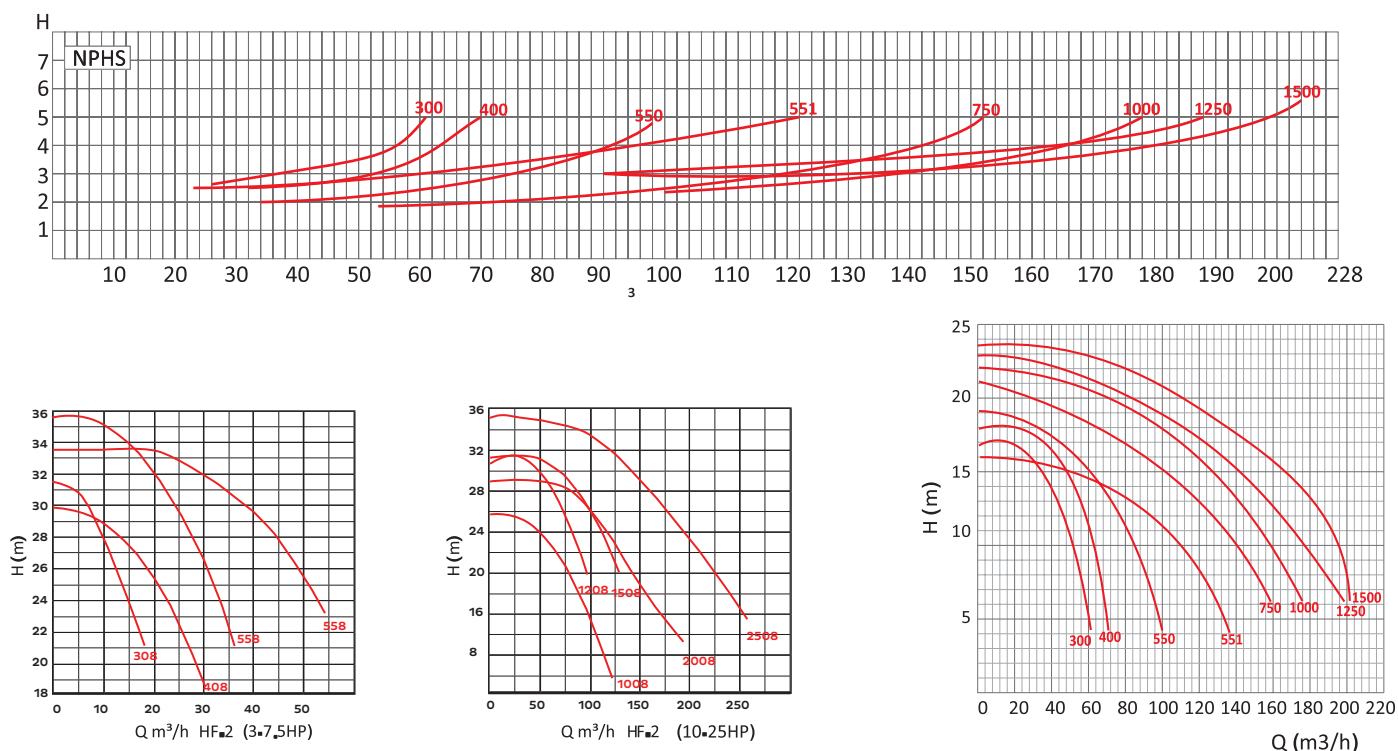


Dimensions



Q Models

CODE		CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS										PACKING	WEIGHT	VOLUME
CAST IRON	BRONZE	mm	III 230	III 400	A	B	C	D	E	F	G	H	I	J		kg	m ³
CF2-300	BR2-300	80	9	5.2	465	880	425	80	605	410	275	200	320	250	1	75-90	0.27
CF2-400	BR2-400	80	12	6.9	465	910	425	80	605	410	275	200	320	250	1	79-96	0.27
CF2-550	BR2-550	125-100	16.5	9.5	500	985	455	105	635	435	280	215	330	280	1	104-124	0.30
CF2-551	BR2-551	125-100	16.5	9.5	500	985	455	105	635	435	280	215	330	280	1	104-124	0.30
CF2-750	BR2-750	125-100	21.7	12.5	500	1050	455	105	675	435	280	215	330	280	1	121-140	0.30
CF2-1000	BR2-1000	125-100	-	15.5	525	1095	470	120	725	465	325	275	345	330	1	140-163	0.30
CF2-1250	BR2-1250	125-100	-	19	525	1130	470	120	725	465	325	275	345	330	1	148-163	0.30
CF2-1500	BR2-1500	125-100	-	23	525	1130	470	120	725	465	325	275	345	330	1	148-168	0.30
HF-2-308	-	65-50	8.5	5.2	465	979	430	70	639	360	224	212	265	302	1	94	0.27
HF-2-408	-	80-65	11.8	7.1	442	998	398	95	616	450	310	250	320	333	1	105	0.27
HF-2-558	-	80-65	16.2	9.4	442	1021	398	95	616	450	310	250	320	333	1	110	0.30
HF-2-758	-	100-80	-	14.2	490	1138	443	95	733	430	246	280	345	365	1	140	0.30
HF-2-1008	-	100-80	-	16.5	490	1248	443	95	733	430	246	280	345	365	1	155	0.30
HF-2-1208	-	125-100	-	16.5	500	1258	440	120	743	480	310	280	360	392	1	176	0.30
HF-2-1508	-	125-100	-	24.2	515	1413	455	120	788	505	335	315	400	424	1	272	0.30
HF-2-2008	-	150-125	-	32	585	1528	525	120	858	611	440	315	400	472	1	355	0.30
HF-2-2508	-	150-125	-	41.5	585	1528	525	120	858	611	440	315	400	472	1	385	0.30

**HYDRAULIC FEATURES:**

CAST IRON	BRONZE	HEIGHT (m)	CF2-BR2	6	8	10	12	14	16	18	20	22
			HF2	18	20	22	24	25	27	30	32	35
CF2-300	BR2-300	FLOW (m³/h)		58	54	51	46	35	29	-	-	-
CF2-400	BR2-400			70	64	62	55	49	42	35	-	-
CF2-550	BR2-550			90	87.5	84	75	65	54	37.5	-	-
CF2-551	BR2-551			125	114	107	87.5	63	25	-	-	-
CF2-750	BR2-750			154	144	135	124	106	88	63	-	-
CF2-1000	BR2-1000			172	162.5	137.5	144	132	118	100	68	-
CF2-1250	BR2-1250			194	181	150	160	144	136	112.5	86	-
CF2-1500	BR2-1500			202	197	172	183	170	156	133	110	81
HF-2-308	-			-	-	17	16	14	12	-	-	-
HF-2-408	-			-	29	26	23	21	17	6	-	-
HF-2-558	-			-	-	36	34	33	30	25	20	10
HF-2-758	-			-	-	-	53	51	47	38	30	-
HF-2-1008	-			88	76	66	50	38	-	-	-	-
HF-2-1208	-			-	-	-	80	78	70	42	-	-
HF-2-1508	-			-	-	-	117	113	96	72	-	-
HF-2-2008	-			-	142	128	118	112.5	96	71	-	-
HF-2-2508	-			-	225	212	196	188	172	145	123	50

ELECTRIC FEATURES:

CAST IRON	BRONZE	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ	50 HZ	kW	kW	HP	MAX db A
CF2-300	BR2-300	2.64	2.2	3	64
CF2-400	BR2-400	3.54	3	4	64
CF2-550	BR2-550	4.65	4	5.5	65
CF2-551	BR2-551	4.65	4	5.5	66
CF2-750	BR2-750	6.27	5.5	7.5	69
CF2-1000	BR2-1000	8.36	7.5	10	71
CF2-1250	BR2-1250	10.28	9.2	12.5	72
CF2-1500	BR2-1500	12.3	11	15	74
HF-2-308	-	2.69	2.2	3	64
HF-2-408	-	3.54	3	4	64
HF-2-558	-	4.65	4	5.5	65
HF-2-758	-	6.24	5.5	7.5	69
HF-2-1008	-	8.36	7.5	10	71
HF-2-1208	-	10.28	7.5	10	72
HF-2-1508	-	12.3	11	15	74
HF-2-2008	-	16.7	15	20	76
HF-2-2508	-	20.6	18.5	25	77



11 | CENTRIFUGAL PUMP "VERT CF-2 & VERT HF-2"

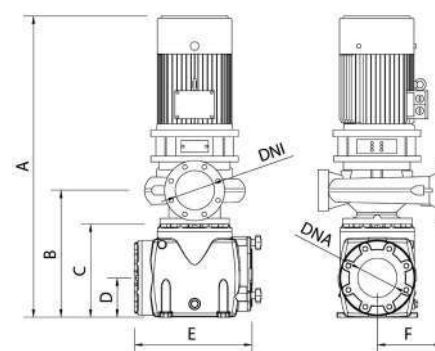
✓ Technical features

Manufactured in cast iron, this high flow, centrifugal pump has been designed for large filtration systems in commercial swimming pools. For easy maintenance, this pump incorporates a standard 2 pole motor, making repair or replacement very easy without any disruption to the valves or hydraulic system.

- Cast iron pump body, pre-filter chamber and coupling
- Large pre-filter basket made in AISI 316 Stainless steel
- Mechanical seal in carbon ceramic (Silicon carbide or tungsten carbon available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-80 to DN-125
- Stainless steel AISI 316 shaft and screws
- Standard asynchronous, 2 pole motor, sealed from external ventilation
- Lubricated bearings to ensure long life and quiet operation
- Ideal for high height filtration systems (Vert HF-2 models only)
- Power supply: 230/400V 50Hz and 60Hz on demand
- IE3 standardised motor: 2900 RPM at 50Hz (3450 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F

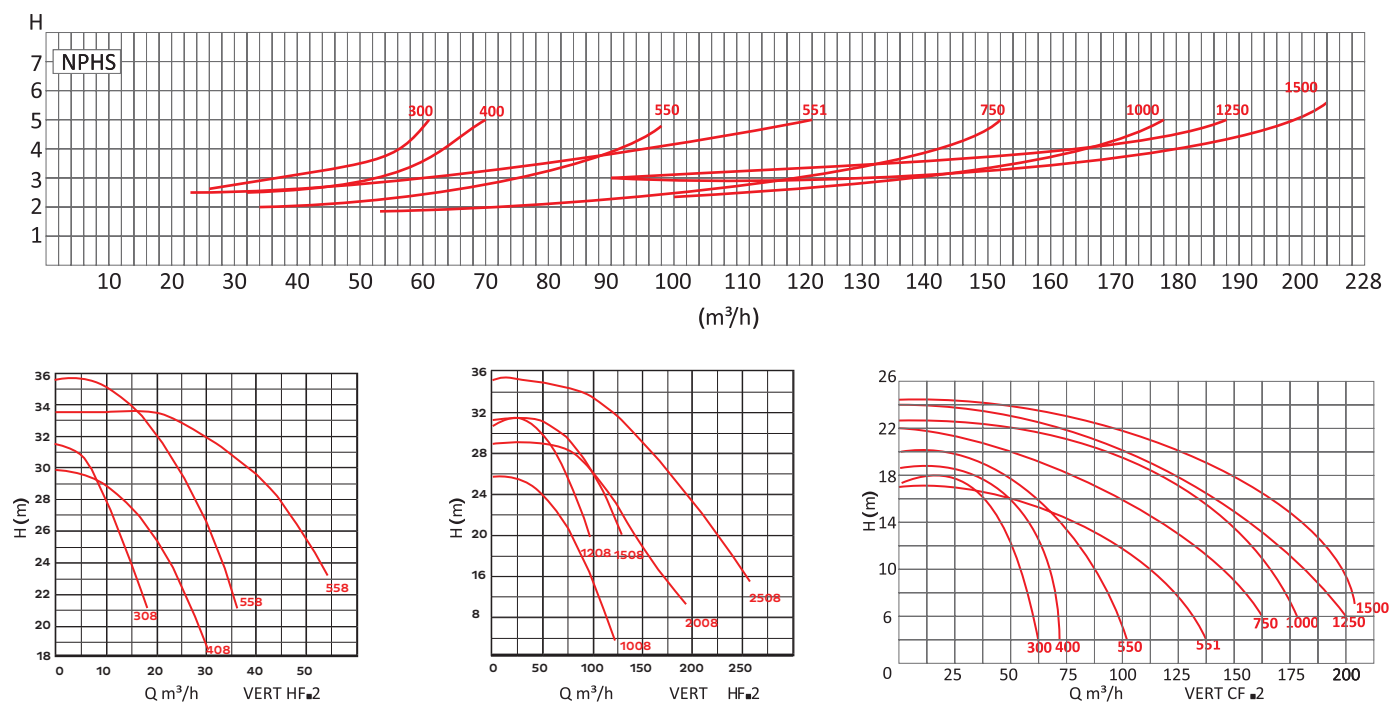


Dimensions



Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
CAST IRON	mm	III 230	III 400	A	B	C	D	E	F		kg	m³
VERT CF-2-300	80	9	5.2	858	448	338	169	410	165	1	167	0.45
VERT CF-2-400	80	12	6.9	888	448	338	169	410	165	1	171	0.47
VERT CF-2-550	125-100	16.5	9.5	933	463	338	169	410	200	1	200	0.49
VERT CF-2-551	125-100	16.5	9.5	933	463	338	169	410	200	1	200	0.49
VERT CF-2-750	125-100	21.7	12.5	998	463	338	169	410	200	1	215	0.52
VERT CF-2-1000	125-100	-	15.5	1043	483	338	169	410	235	1	236	0.55
VERT CF-2-1250	125-100	-	19	1078	483	338	169	410	235	1	243	0.57
VERT CF-2-1500	125-100	-	23	1078	448	338	169	410	235	1	243	0.57
VERT HF-2-308	65-32	8.5	5.2	836	418	338	169	410	200	1	149	0.44
VERT HF-2-408	65-32	11.8	7.1	893	418	338	169	410	225	1	161	0.47
VERT HF-2-558	65-32	16.2	9.4	893	418	338	169	410	225	1	183	0.47
VERT HF-2-758	65-40	-	14.2	1021	418	338	169	410	250	1	210	0.54
VERT HF-2-1008	65-50	-	16.5	1041	438	338	169	410	250	1	220	0.55
VERT HF-2-1208	65-50	-	16.5	1041	438	338	169	410	280	1	188	0.55
VERT HF-2-1508	80-65	-	24.2	1141	438	338	169	410	280	1	289	0.60
VERT HF-2-2008	100-80	-	32	1166	463	338	169	410	355	1	308	0.60
VERT HF-2-2508	100-80	-	41.5	1246	463	338	169	410	355	1	325	0.66



HYDRAULIC FEATURES:

CAST IRON	HEIGHT (m)	CF-2	6	8	10	12	14	16	18	20	22
		HF-2	18	20	22	24	25	27	30	32	35
VERT CF-2-300	FLOW (m³/h)		58	54	51	46	35	29	-	-	-
VERT CF-2-400			70	64	62	55	49	42	35	-	-
VERT CF-2-550			90	87.5	84	75	65	54	37.5	-	-
VERT CF-2-551			125	114	107	87.5	63	25	-	-	-
VERT CF-2-750			154	144	135	124	106	88	63	-	-
VERT CF-2-1000			172	162.5	137.5	144	132	118	100	68	-
VERT CF-2-1250			194	181	150	160	144	136	112.5	86	-
VERT CF-2-1500			202	197	172	183	170	156	133	110	81
VERT HF-2-308			-	-	17	16	14	12	-	-	-
VERT HF-2-408			-	29	26	23	21	17	6	-	-
VERT HF-2-558			-	-	36	34	33	30	25	20	10
VERT HF-2-758			-	-	-	53	51	47	38	30	-
VERT HF-2-1008			88	76	66	50	38	-	-	-	-
VERT HF-2-1208			-	-	-	80	78	70	42	-	-
VERT HF-2-1508			-	-	-	117	113	96	72	-	-
VERT HF-2-2008			-	142	128	118	112.5	96	71	-	-
VERT HF-2-2508			-	225	212	196	188	172	145	123	50

ELECTRIC FEATURES:

MODELS	INPUT POWER P1	OUTPUT POWER P2		MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ	kW	kW	HP	50 HZ	kW	kW	HP	MAX db A
VERT CF-2-300	2.64	2.2	3	VERT HF-2-308	2.69	2.2	3	64
VERT CF-2-400	3.54	3	4	VERT HF-2-408	3.54	3	4	64
VERT CF-2-550	4.65	4	5.5	VERT HF-2-558	4.65	4	5.5	65
VERT CF-2-551	4.65	4	5.5	VERT HF-2-758	6.24	5.5	7.5	69
VERT CF-2-750	6.27	5.5	7.5	VERT HF-2-1008	8.36	7.5	10	71
VERT CF-2-1000	8.36	7.5	10	VERT HF-2-1208	10.28	7.5	10	72
VERT CF-2-1250	10.28	9.2	12.5	VERT HF-2-1508	12.3	11	15	74
VERT CF-2-1500	12.3	11	15	VERT HF-2-2008	16.7	15	20	76
-	-	-	-	VERT HF-2-2508	20.6	18.5	25	77



12 | CENTRIFUGAL PUMP 1450 R.P.M IN CAST IRON

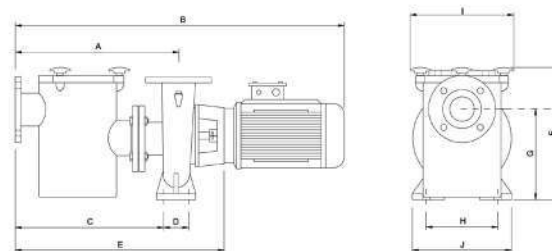
✓ Technical features

A cast iron, large volume, centrifugal pump with pre-filter, suitable for all demanding filtration systems in commercial swimming pools. Designed for quiet running and easy maintenance, this device incorporates a standard 4 pole motor and makes repair or replacement very easy without the need to remove valves or the hydraulic system.

- Cast iron pump body, support and pre-filter chamber
- Large pre-filter basket made in AISI 316 Stainless steel
- Silicon carbide mechanical seal (Tungsten carbon, AISI 316, epdm viton etc - Available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-65 to DN-125
- Stainless steel AISI 316 shaft coupling and screws
- Motor and pump shafts connected by coupling
- Standard asynchronous, 4 pole motor, sealed from external Cataphoresis processed for corrosion resistance.
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (HF-4 models only)
- IE3 standardised motor: 1450 RPM at 50Hz(1750 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F
- Power supply: 230/400V 50Hz and 60Hz on demand

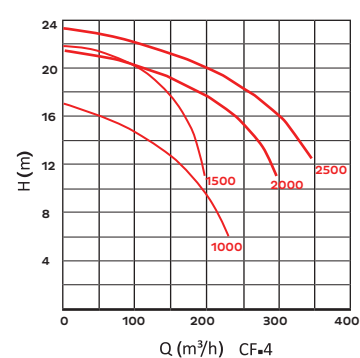
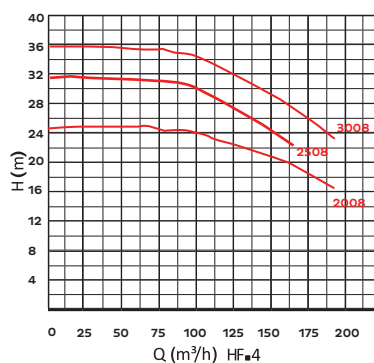
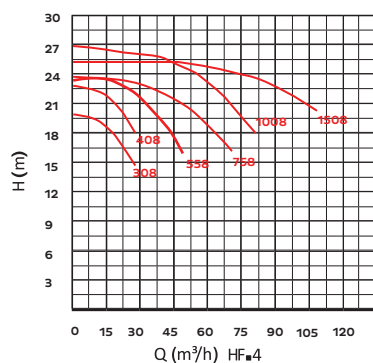
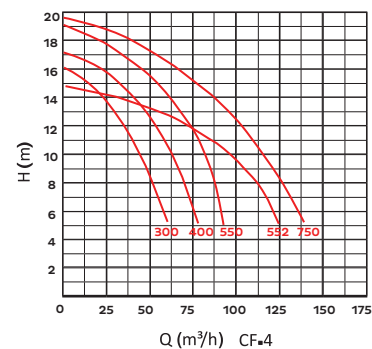
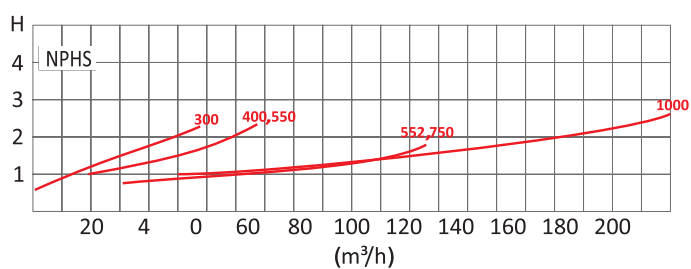


Dimensions



Q Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS										PACKING	WEIGHT	VOLUME
	mm	III 230	III 400	A	B	C	D	E	F	G	H	I	J		kg	m³
CF4-300	65-50	9.4	5.3	465	979	430	70	639	360	250	212	265	302	1	94	0.27
CF4-400	80-65	12.5	6.9	442	998	398	95	616	450	250	250	320	333	1	105	0.27
CF4-550	80-65	17	9.2	442	1021	398	95	616	450	250	250	320	333	1	110	0.30
CF4-552	100-80	17	9.2	490	1138	443	95	733	430	270	280	345	365	1	140	0.30
CF4-750	100-80	23	12	490	1248	443	95	733	430	270	280	345	365	1	155	0.30
CF4-1000	125-100	-	15.5	500	1258	440	120	743	480	270	280	360	392	1	176	0.25
CF4-1500	125-100	-	21.8	515	1413	455	120	788	505	270	315	400	424	1	272	0.31
CF4-2000	150-125	-	32	585	1528	525	120	858	611	380	315	400	472	1	355	0.46
CF4-2500	150-125	-	39	585	1558	525	120	858	611	380	315	400	472	1	385	0.47
HF-4 308	65-40	9.4	5.5	480	994	432	95	654	415	310	250	260	336	1	127	0.10
HF-4 408	65-40	12.5	6.9	480	994	432	95	654	415	310	250	260	336	1	127	0.10
HF-4 558	65-50	17	9.2	480	994	432	95	654	415	310	250	260	343	1	139	0.10
HF-4 758	80-65	23	12	480	1125	420	120	723	450	330	280	260	370	1	195	0.11
HF-4 1008	80-65	-	15.5	505	1150	445	120	748	505	355	315	260	429	1	211	0.13
HF-4 1508	100-80	-	21.8	505	1238	445	120	778	480	315	315	260	410	1	306	0.12
HF-4 2008	125-100	-	32	520	1253	445	120	793	505	340	315	260	424	1	324	0.13
HF-4 2508	125-100	-	41.5	520	1331	460	120	793	565	365	315	260	478	1	364	0.14
HF-4 3008	125-100	-	52	520	1406	460	120	793	565	365	315	260	478	1	376	0.14



HYDRAULIC FEATURES:

CAST IRON	HEIGHT (m)	CF-4	9	10	12	14	15	16	18	20	21
		HF-4	18	20	22	24	25	27	30	32	35
CF4-300	FLOW (m³/h)		49	46	35	25	18	-	-	-	-
CF4-400			-	63	53	39	34	23	-	-	-
CF4-550			-	75	62	54	47	18	-	-	-
CF4-552			106	97	75	28	-	-	-	-	-
CF4-750			-	-	102	87	76	68	-	-	-
CF4-1000			-	195	162	120	90	60	-	-	-
CF4-1500			-	-	195	180	175	170	140	100	60
CF4-2000			-	-	290	280	248	245	195	102	-
CF4-2500			-	-	-	340	325	300	260	200	170
HF-4 308			23	13	-	-	-	-	-	-	-
HF-4 408			-	27	19	-	-	-	-	-	-
HF-4 558			51	43	33	-	-	-	-	-	-
HF-4 758			75	64	50	12	-	-	-	-	-
HF-4 1008			-	85	75	63	54	-	-	-	-
HF-4 1508			-	-	110	90	72	-	-	-	-
HF-4 2008			-	190	160	120	102	-	-	-	-
HF-4 2508			-	-	-	170	160	140	120	-	-
HF-4 3008			-	-	-	210	200	190	160	135	102

ELECTRIC FEATURES:

MODELS	INPUT POWER P1		OUTPUT POWER P2		MODELS	INPUT POWER P1		OUTPUT POWER P2	
50 HZ	kW		kW	HP	50 HZ	kW		kW	HP
CF4-300	2.6		2.2	3	HF-4 308	2.6		2.2	3
CF4-400	3.51		3	4	HF-4 408	3.51		3	4
CF4-550	4.61		4	5.5	HF-4 558	4.61		4	5.5
CF4-552	4.6		4	5.5	HF-4 758	6.25		5.5	7.5
CF4-750	6.25		5.5	7.5	HF-4 1008	8.45		7.5	10
CF4-1000	8.45		7.5	10	HF-4 1508	12.25		11	15
CF4-1500	12.25		11	15	HF-4 2008	16.56		15	20
CF4-2000	16.56		15	20	HF-4 2508	20.29		18.5	25
CF4-2500	20.29		18.5	25	HF-4 3008	24.5		22	30



13 | CENTRIFUGAL PUMP “VERT CF-4/ VERT HF-4”

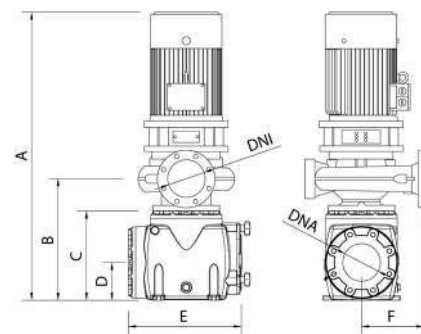
✓ Technical features

A cast iron, large volume centrifugal pump with large pre-filter and 4 pole motor makes this pump very quiet and long lasting, the ideal solution for large swimming pools in commercial environments. Developed for low maintenance, the standard motor can be easily repaired or replaced without disruption to the connected valves or hydraulic system

- Cast iron pump body, pre-filter, coupling and impeller
- Large pre-filter basket made in AISI 316 Stainless steel
- Silicon carbide mechanical seal (Tungsten carbon, AISI 316, EPDM, viton etc available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-65 to DN-125
- Stainless steel AISI 316 shaft coupling and screws
- Motor and pump shafts connected by coupling
- Standard asynchronous, 4 pole motor, sealed from external Cataphoresis processed for corrosion resistance..
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (Vert HF-4 models only)
- IE3 standardised motor: 1450 RPM at 50 Hz(1750 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F
- Power supply: 230/400V 50Hz and 60 Hz on demand

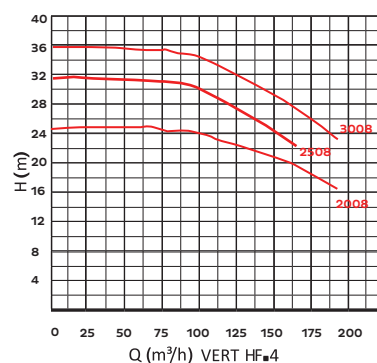
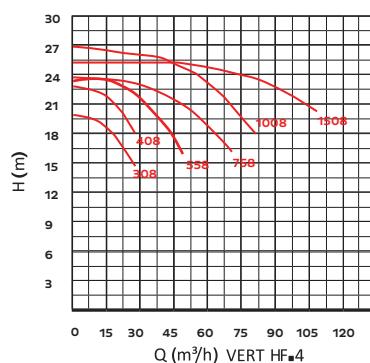
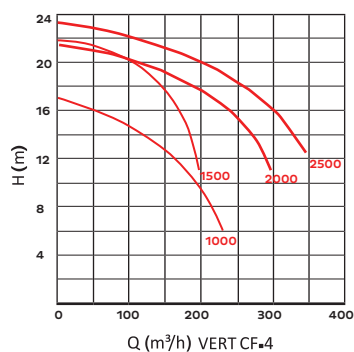
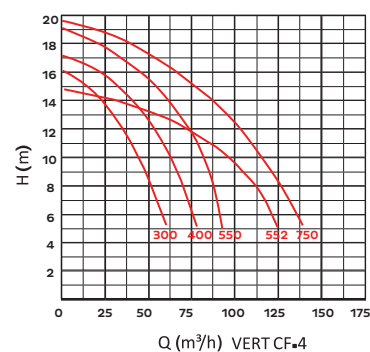


Dimensions



Q Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
CAST IRON	mm	III 230	III 400	A	B	C	D	E	F		kg	m ³
VERT CF-4-300	65-50	9.4	5.3	913	438	338	169	410	200	1	194	0.48
VERT CF-4-400	80-65	12.5	6.9	913	438	338	169	410	225	1	205	0.48
VERT CF-4-550	80-65	17	9.2	913	438	338	169	410	225	1	210	0.48
VERT CF-4-552	100-80	17	9.2	1007	463	338	169	410	250	1	240	0.53
VERT CF-4-750	100-80	23	12	1096	463	338	169	410	250	1	255	0.58
VERT CF-4-1000	125-100	-	15.5	1122	463	338	169	410	280	1	276	0.59
VERT CF-4-1500	125-100	-	21.8	1211	478	338	169	410	280	1	372	0.64
VERT CF-4-2000	150-125	-	32	1291	478	338	169	410	355	1	455	0.68
VERT CF-4-2500	150-125	-	39	1331	448	338	169	410	355	1	485	0.70
VERT HF-4-308	65-40	9.4	5.5	913	438	338	169	410	225	1	185	0.49
VERT HF-4-408	65-40	12.5	6.9	913	438	338	169	410	225	1	189	0.49
VERT HF-4-558	65-50	17	9.2	913	438	338	169	410	225	1	198	0.49
VERT HF-4-758	80-65	23	12	1071	438	338	169	410	250	1	259	0.57
VERT HF-4-1008	80-65	-	15.5	1122	463	338	169	410	280	1	282	0.60
VERT HF-4-1508	100-80	-	21.8	1196	463	338	169	410	280	1	324	0.64
VERT HF-4-2008	125-100	-	32	1291	478	338	169	410	280	1	355	0.69
VERT HF-4-2508	125-100	-	41.5	1331	478	338	169	410	315	1	397	0.71
VERT HF-4-3008	125-100	-	52	1331	478	338	169	410	315	1	409	0.71



HYDRAULIC FEATURES:

CAST IRON	HEIGHT (m)	CF-4	9	10	12	14	15	16	18	20	21
		HF-4	18	20	22	24	25	27	30	32	35
VERT CF-4-300	FLOW (m³/h)		49	46	35	25	18	-	-	-	-
VERT CF-4-400			-	63	53	39	34	23	-	-	-
VERT CF-4-550			-	75	62	54	47	18	-	-	-
VERT CF-4-552			106	97	75	28	-	-	-	-	-
VERT CF-4-750			-	-	102	87	76	68	-	-	-
VERT CF-4-1000			-	195	162	120	90	60	-	-	-
VERT CF-4-1500			-	-	195	180	175	170	140	100	60
VERT CF-4-2000			-	-	290	280	248	245	195	102	-
VERT CF-4-2500			-	-	-	340	325	300	260	200	170
VERT HF-4-308			23	13	-	-	-	-	-	-	-
VERT HF-4-408			-	27	19	-	-	-	-	-	-
VERT HF-4-558			51	43	33	-	-	-	-	-	-
VERT HF-4-758			75	64	50	12	-	-	-	-	-
VERT HF-4-1008			-	85	75	63	54	-	-	-	-
VERT HF-4-1508			-	-	110	90	72	-	-	-	-
VERT HF-4-2008			-	190	160	120	102	-	-	-	-
VERT HF-4-2508			-	-	-	170	160	140	120	30	-
VERT HF-4-3008			-	-	-	210	200	190	160	135	102

ELECTRIC FEATURES:

MODELS	INPUT POWER P1		OUTPUT POWER P2		MODELS	INPUT POWER P1		OUTPUT POWER P2	
50 HZ	kW		kW	HP	50 HZ	kW		kW	HP
VERT CF-4-300	2.6		2.2	3	VERT HF-4-308	2.6		2.2	3
VERT CF-4-400	3.51		3	4	VERT HF-4-408	3.51		3	4
VERT CF-4-550	4.61		4	5.5	VERT HF-4-558	4.61		4	5.5
VERT CF-4-552	4.6		4	5.5	VERT HF-4-758	6.25		5.5	7.5
VERT CF-4-750	6.25		5.5	7.5	VERT HF-4-1008	8.45		7.5	10
VERT CF-4-1000	8.45		7.5	10	VERT HF-4-1508	12.25		11	15
VERT CF-4-1500	12.25		11	15	VERT HF-4-2008	16.56		15	20
VERT CF-4-2000	16.56		15	20	VERT HF-4-2508	20.29		18.5	25
VERT CF-4-2500	20.29		18.5	25	VERT HF-4-3008	24.5		22	30



14 | SAFETY VACUUM RELEASE SYSTEM

✓ Technical features

A safety vacuum release system (SVRS) is a system or a device that disables a pool pump's suction ability so that a body or object trapped against the suction outlet is freed. It does this by inducting air to the pump and/or powering down the pump motor when it senses a sudden vacuum increase.

An SVRS can be easily installed in any pool, spa or water feature. These devices are built in the pump motor, installed as a controller, mounted onto the suction pipe, or are as easy as a replacement of a pump pot drain plug. The SVRS must be installed in conjunction with an approved VGB drain cover per ASME/ANSI A112.19.17. Most SVRS's and ANSI/APSP-7.

Vacless Electrical Breathers provide immediate vacuum relief upon entrapment by allowing atmospheric air to rapidly fill the pump pot while simultaneously turning off the pump. Electrical units include a three-minute time delay restart and audible alert.

We are introducing the 14 versions of SVRS systems identified as Breather I, Breather II, and Breather III

Breather 1 Features

Sequence of Events – Breather 1 Automatic Reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of the seal occurs within milliseconds and after the entrapment is freed the seal automatically springs back to normal operating position for re-priming.

Breather 2 Features

Sequence of Events – Breather 2 Manual Reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of the seal occurs within milliseconds and after the entrapment is freed the seal will remain in a locked open position until it is manually pulled back to normal operating position for re-priming. Unit may allow water to be released through air channels from gravity fed water pressure when locked in the open position. Unit should be manually reset upon release of an entrapment.

Breather 3 Features

Sequence of Events – Breather 3 Electrical Automatic or Manual reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. After 15 seconds, utilizing a delay relay, a 5-10V DC circuit becomes energized. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of seal occurs within milliseconds causing the shoulder to strike a pin plunger of a snap acting normally closed electrical switch to the open position. The plunger will spring back momentarily to normal operating condition. As the plunger is depressed, the 28V DC control circuit becomes open and causes a normally closed switch to open and turn the pump off. To prevent false shutdown of the pump during start-up surges the 5-10V DC control circuit is equipped with a delay relay. This relay is responsible for postponing the energizing of the 5-10V DC transformer and precludes switching off the pump even if the plunger is depressed.



SVRS-10



SVRS-20



SVRS-30



SVRS-10ADJ



SVRS-20ADJ



SVRS-30ADJ

Models

MODEL	TYPE	PORT POSITION	PACKING	WEIGHT	VOLUME
				kg	m ³
Breather 1- Automatic reset					
SVRS 10	Standard	centre port	1	-	-
SVRS 11	Standard	offset port	1	-	-
SVRS 10ADJ	Adjustable	centre port	1	-	-
SVRS 11ADJ	Adjustable	offset port	1	-	-
Breather 2- Manual reset					
SVRS 20	Standard	centre port	1	-	-
SVRS 21	Standard	offset port	1	-	-
SVRS 20ADJ	Adjustable	centre port	1	-	-
SVRS 21ADJ	Adjustable	offset port	1	-	-
Breather 3- Electrical Pump Shut-off, Automatic					
SVRS 30	Standard	Centre port	1	-	-
SVRS 30-A	Standard	Centre port with alarm	1	-	-
SVRS 31	Standard	Offset port	1	-	-
SVRS 30ADJ	Adjustable	centre port	1	-	-
SVRS 30ADJ-A	Adjustable	Centre port with alarm	1	-	-
SVRS 31ADJ	Adjustable	Offset port	1	-	-
ACCESSORIES					
VAC 55	Maintenance Kit		1	-	-
VG 15	Vacuum Gauge		1	-	-
FIT 10	Elbow		1	-	-
FIT 20	Swivel Extension		1	-	-



15 | SUBMERSIBLE PUMP WITH INTERNAL FLOAT "VERTY NOVA"

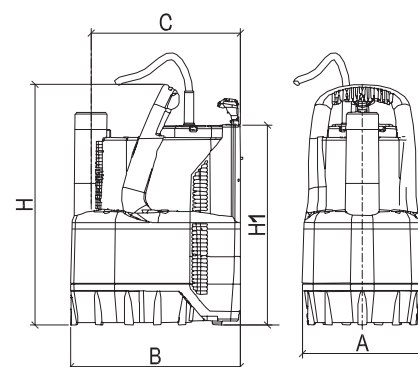
✓ Technical features

A vertical delivery, submersible drainage pump with automated or manual operation, designed for installation into any garage or basement that is subject to flooding. The Verty Nova has a minimum suction level of 2/3mm and can be used as a portable device for emptying swimming pools, tanks and excavations containing solid particles of up to 5mm in size.

- Hydro resistant technopolymer pump body, cover and suction grid
- Stainless steel motor and roto shaft including bolts and screws
- Threefold seal with interposed rings with oiled pre-chamber
- Submersible type, continuous duty, asynchronous motor
- Stator enclosed in airtight stainless steel casing, with an outer cover that protects the wiring and the capacitor
- Rotor running on permanently lubricated ball bearings to ensure low noise and durability
- Built-in amperometric thermal protection and permanently connected capacitor
- Level switch with built-in float, provides automatic operation in fixed installations
- Operating range: From 1 to 10m³/h with head up to 9m
- Recommended liquid: Dirty water without fibres
- Liquid temperature range: From 0°C to 35°C (Domestic Use)
- Outlet: Vertical 1 1/4" plus hose fitting
- Maximum submersible depth: 7m



Dimensions

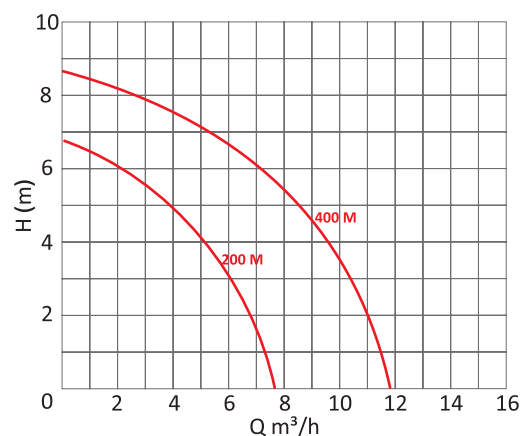


HYDRAULIC FEATURES:

PUMP MODELS	HEIGHT (m)	1	2	3	4	5	6	7	8	9
VERTY NOVA 200 M	FLOW	7.5	6.8	6	5	4	2	-	-	-
VERTY NOVA 400 M	(m ³ /h)	11.5	11	10.4	9.6	8.5	7	5	2.6	0

ELECTRIC FEATURES:

PUMP MODELS	INPUT POWER P1	MOTOR POWER P2	
50 HZ	kW	kW	HP
VERTY NOVA 200 M	0.3	0.2	0.28
VERTY NOVA 400 M	0.6	0.4	0.55



Q Models

PUMP MODEL	CONNECTIONS	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
	mm	II 230	III 230	A	B	C	D	H	H1		kg	m ³
VERTY NOVA 200 M	2"	1.3	-	158	225	200	33	318	265	1	4.2	0.014
VERTY NOVA 400 M	2"	2.6	-	158	225	200	33	354	301	1	5.1	0.014

16 | AQUA COMBO FILTRATION SYSTEM

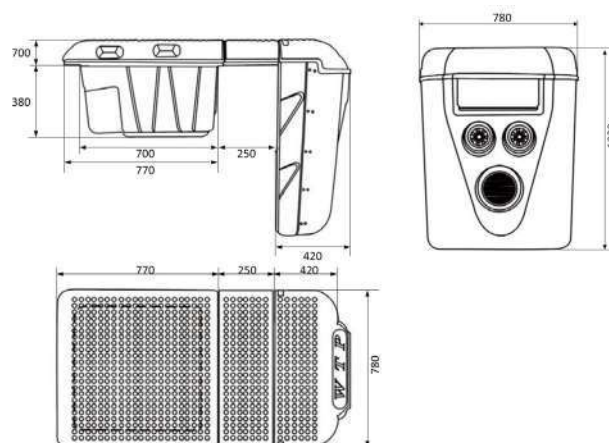
✓ Technical features

An all-in-one combo filtration system incorporating a skimmer, 2 filtering drums, 2 jets (for water return) and a circulating pump located in the rear compartment.

- Filtration pump speed: Dual speed 1HP and 2HP (optional)
- Ozone generator: 500mg/h
- No. of swimjets: 2
- No. of filtration bags: 2
- No. of chemical feeding baskets: 2
- Underwater LED lights: 1
- RF waterproof digital controller for manual or automatic control (Optional extra)
- Saltwater pool chlorinator (Optional extra)
- Power consumption: 1.6-kW
- Dimensions: 1450 x 760 x 1030 mm



Dimensions



Q Models

CODE	FILTRATION PUMP	POWER SUPPLY	FLOW	PACKING	WEIGHT	VOLUME
			(m ³ /h) V=50m ³ /h/m ²		kg	m ³
AC-26	2HP	220V/50Hz/ 110V/60Hz	25	1	57	1.13



17 | AQUA PREASSEMBLED COMPLETE BUNKER ROOM

✓ Technical features

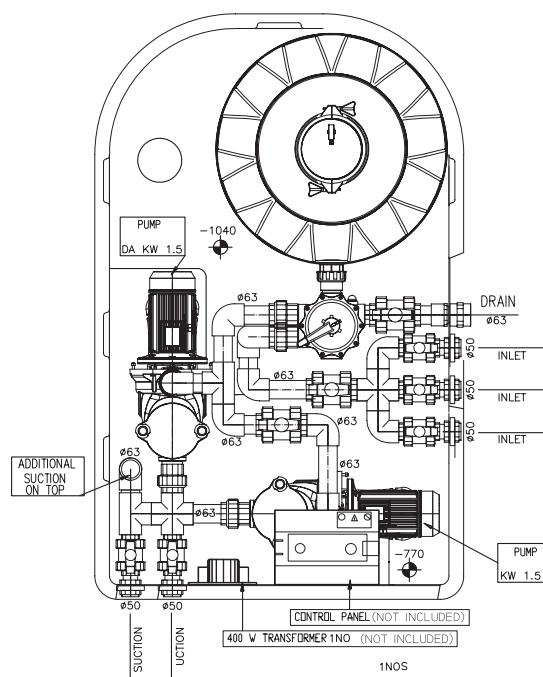
A pre-assembled, reinforced fibreglass underground bunker room complete with sand filter and two self priming circulation pumps. It's unique design and 2-piece hinged lid enables easy access and simple routine maintenance operation for swimming pools up to 30m³/h. Available in 5 packages and includes a built-in drainage system and all valves and fittings for external connections to pipes, Electrical control box and transformer on demand .



PACKAGE 1

For pools up to 6m³/h and includes:

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (450mm diameter), with 6-way multiport valve 1.5"	1
EuroPro self priming pump 0.5HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

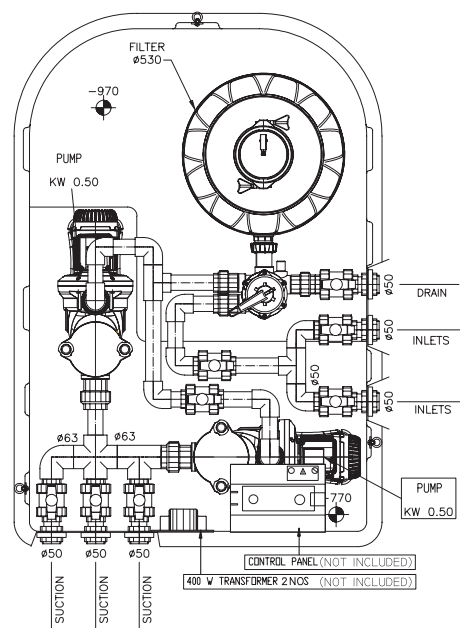


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100529DI	COMPLETE BUNKER ROOM 1 WITH ALL EQUIPMENTS	1	140	2.31

PACKAGE 2

Pre assembled underground pump room for pools up to 10m³/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (530mm diameter), with 6-way multiport valve 1.5"	1
EuroPro self priming pump 0.75HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

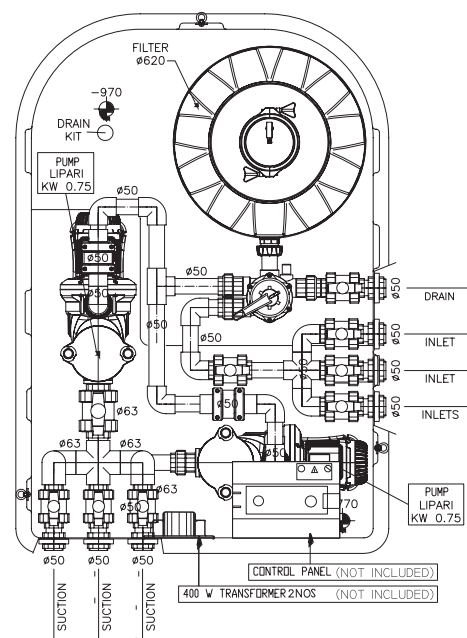


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100530DI	COMPLETE BUNKER ROOM 2 WITH ALL EQUIPMENTS	1	150	2.31

PACKAGE 3

Pre assembled underground pump room for pools up to 14m³/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (620mm diameter), with 6-way multiport valve 1.5"	1
EuroPro self priming pump 1.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1



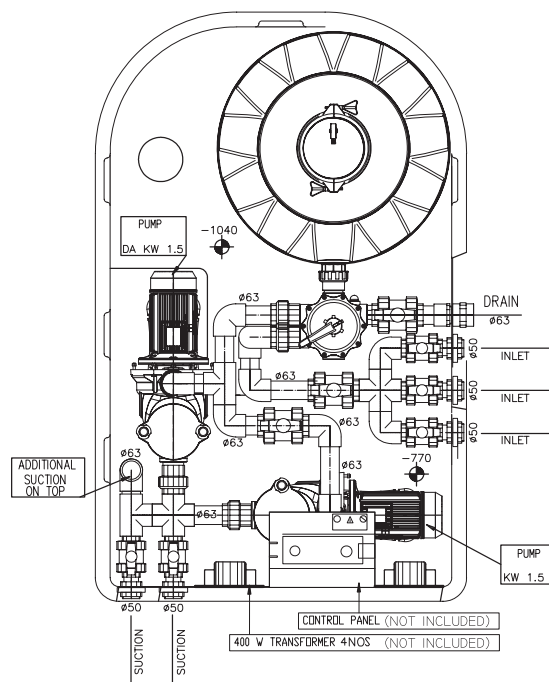
CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100560DI	COMPLETE BUNKER ROOM 3 WITH ALL EQUIPMENTS	1	165	2.31



PACKAGE 4

Pre assembled underground pump room for pools up to 22m³/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (790mm diameter), with 6-way multiport valve 2"	1
EuroPro self priming pump 2.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

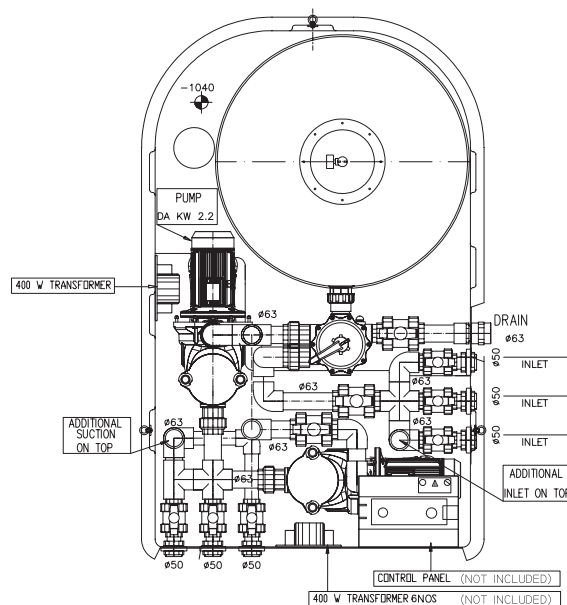


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100527DI	COMPLETE BUNKER ROOM 4 WITH ALL EQUIPMENTS	1	195	2.31

PACKAGE 5

Pre assembled underground pump room for pools up to 30m³/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 130cm x 200cm x 120cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (950mm diameter), with 6-way multiport valve 2"	1
EuroPro self priming pump 3.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100578DI	COMPLETE BUNKER ROOM 5 WITH ALL EQUIPMENTS	1	220	3.12

18 | STAINLESS STEEL PREFILTERS

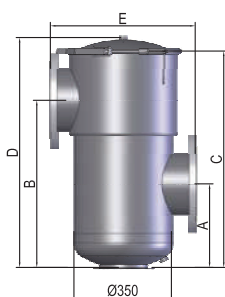
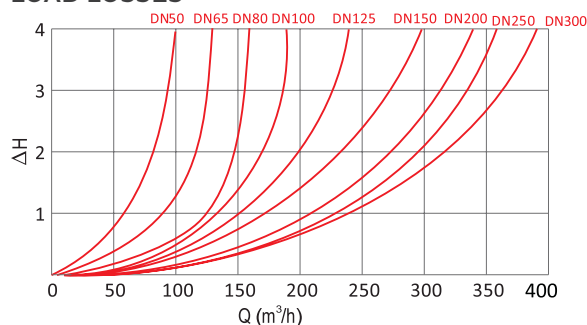
✓ Technical features

Stainless steel pre-filters made entirely of grade 304 or 316 stainless steel for resistance against corrosion

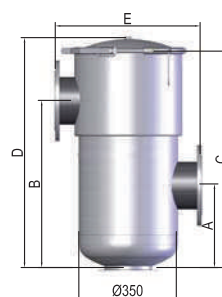
- Stainless steel filter basket with 6mm standard perforations
- Working pressure (AP models): 8 ATE
- Working pressure (Other models): 3 ATE
- Pressure gauge located on top
- Secure lid with simple but reliable closure clamp
- Optional Plexiglas transparent lid for easy inspection of the pre-filter basket (available on request)
- Pre-filter can be electropolished externally and/or internally (available on request)



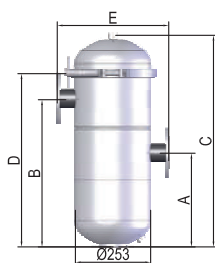
LOAD LOSSES



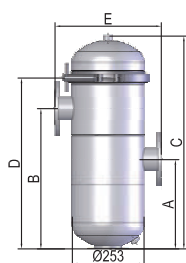
PF-350304/316-DN200 TF / 250



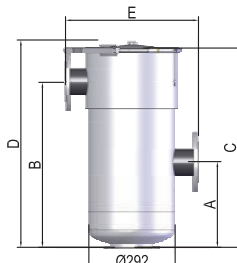
PF-350304/316-DN150 TF



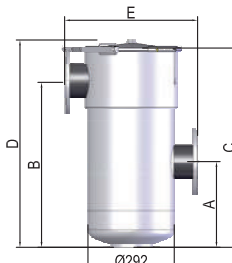
PF-250304/316-DN50 TF



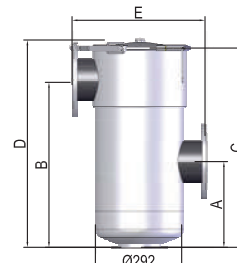
PF-250304/316-DN65 TF



PF-292304/316-DN80 TF



PF-292304/316-DN100 TF



PF-292304/316-DN125 TF

Q Models

CODE	CONNECTIONS		PRESSURE	OUTER CASING DIMENSIONS					INSIDE BASKET DIMENSIONS			FLOW RATE	PACKING	WEIGHT	VOLUME
	INLET/OUTLET	DRAIN OUTLET		A	B	C	D	E	Ø	h	hole				
PF-250304-DN50 TF	DN 50	1/2"	8	315	495	751	603	375	220	330	6 mm.	80	1	17.5	0.033
PF-250316-DN50 TF	DN 50	1/2"	8	315	495	751	603	375	220	330	6 mm.	80	1	17.5	0.033
PF-250304-DN65 TF	DN 65	1/2"	8	315	495	751	603	375	220	330	6 mm.	100	1	19	0.033
PF-250316-DN65 TF	DN 65	1/2"	8	315	495	751	603	375	220	330	6 mm.	100	1	19	0.033
PF-292304-80 TF	DN 80	1/2"	3	290	565	674	701	450	250	330	6 mm.	130	1	23.5	0.045
PF-292316-80 TF	DN 80	1/2"	3	290	565	674	701	450	250	330	6 mm.	130	1	23.5	0.045
PF-292304-100 TF	DN 100	1/2"	3	290	565	674	701	450	250	330	6 mm.	160	1	24	0.045
PF-292316-100 TF	DN 100	1/2"	3	290	565	674	701	450	250	330	6 mm.	160	1	24	0.045
PF-292304-125 TF	DN 125	1/2"	3	290	565	674	701	450	250	330	6 mm.	180	1	25.5	0.045
PF-292316-125 TF	DN 125	1/2"	3	290	565	674	701	450	250	330	6 mm.	180	1	25.5	0.045
PF-350304-150TF	DN 150	1/2"	3	300	600	777	825	520	320	400	6 mm.	200	1	37.5	0.08
PF-350316-150 TF	DN 150	1/2"	3	300	600	777	825	520	320	400	6 mm.	200	1	37.5	0.08
PF-350304-200 TF	DN 200	1/2"	3	300	600	777	825	520	320	400	6 mm.	220	1	49	0.082
PF-350316-200 TF	DN 200	1/2"	3	300	600	777	825	520	320	400	6 mm.	220	1	49	0.082
PF-350304-250 TF	DN 250	1/2"	3	300	720	927	975	550	320	400	6 mm.	250	1	60.5	0.104
PF-350316-250 TF	DN 250	1/2"	3	300	720	927	975	550	320	400	6 mm.	250	1	60.5	0.104

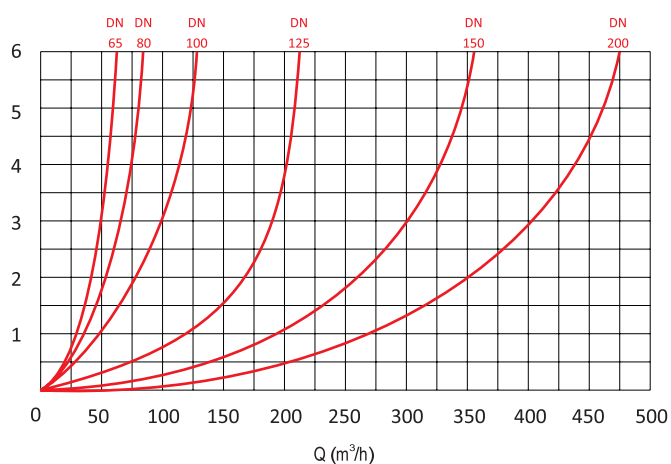


19 | CAST IRON PRE FILTER

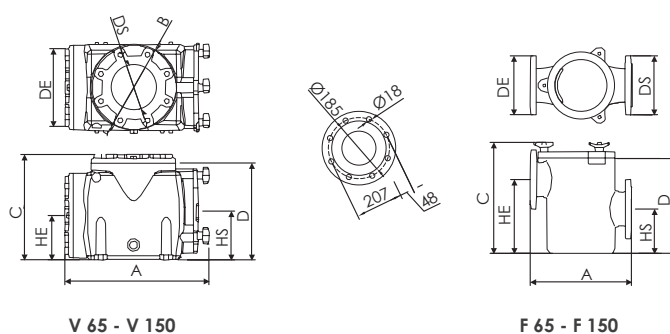
✓ Technical features

Cast iron pre-filters which comply with DIN 2501, and connections from DN 65 (2.5") to DN 200 (8")

- Cast iron vessel and pre-filter lid
- AISI 316 Stainless steel filter basket
- Inlet and outlet clamps
- 3 and 4 closing handles (depending on model) for easy access and to guaranteed secure seal



Dimensions



Models

CODE	FLOW RATE	DIMENSIONS										PACKING	WEIGHT	VOLUME
	m³/h	DN	PT	A	B	C	D	DE	HE	DS	HS		kg	lts
F 65/65	55	65	145	380	260	415	360	185	250	185	120	1	20	18
F 80/80	90	80	160	380	260	415	360	200	250	200	120	1	32	18
F 100/100	130	100	180	380	260	415	360	220	270	220	155	1	36	18
F 125/125	220	125	210	380	260	415	360	250	270	250	155	1	36	18
F 150/150	420	150	240	460	340	555	500	285	380	285	190	1	71	22
F 200/200	750	200	295	460	340	555	500	340	380	340	190	1	72	22
V 65/65	55	65	145	489	285	372	338	185	169	185	155	1	78	18
V 80/80	90	80	160	489	285	372	338	200	169	200	155	1	78.5	18
V 100/100	130	100	180	489	285	372	338	200	169	200	155	1	79	18
V 125/125	220	125	210	489	285	372	338	200	169	200	155	1	80	22
V 150/150	420	150	240	489	285	372	338	200	169	200	285	1	81	22

20 | COUNTER CURRENT PUMP "PCC" 2900 R.P.M

COUNTER CURRENT PUMP

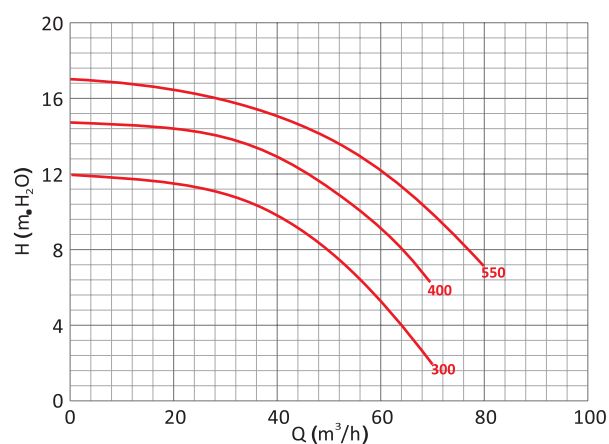
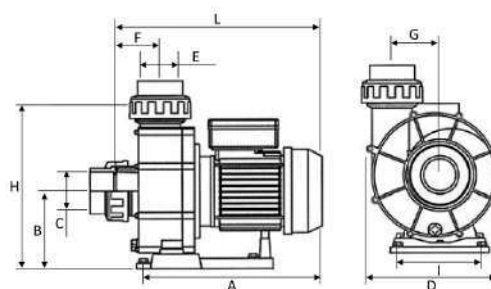
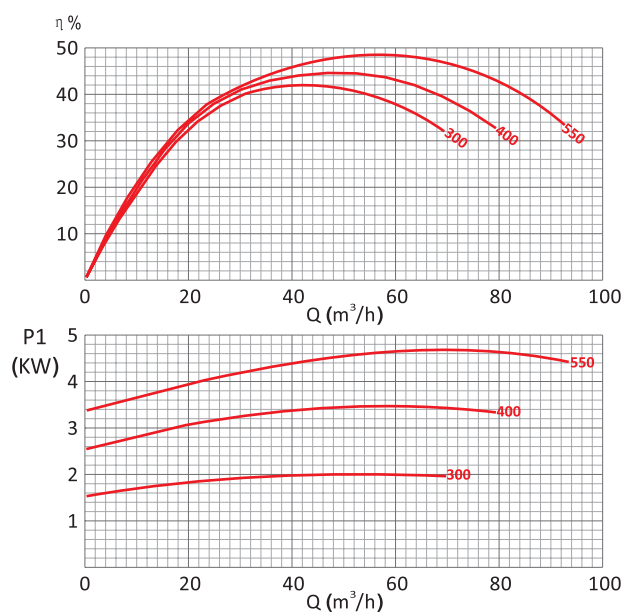
✓ Technical features

A high flow, centrifugal counter current pump which provides a constant current/stream of water, suitable for swimming on the spot or underwater massage

- Fibreglass reinforced polypropylene pump body, providing excellent durability and resistance against pool chemicals
- Noryl turbine
- AISI 316 Stainless steel shaft
- Power supply: Single phase 3HP motor or 3-phase 3HP, 4HP or 5.5HP motors
- Working frequency: 50Hz (60Hz available on request. Add '-60' after pump code)
- Protection rating: IP55



Dimensions



Models

CODE	FLOW RATE	POWER		DIMENSIONS										PACKING	WEIGHT	VOLUME
	m³/h	kW	HP	A	B	C	D	E	F	G	H	I	L		kg	m³
PCC-300-M	-	2.2	3	370	156	Ø 75	260	Ø 75	77	95	340	168/117	440	1	20.8	0.055
PCC-300-T	-	2.2	3	370	156	Ø 75	260	Ø 75	77	95	340	168/117	440	1	20.8	0.055
PCC-400-T	-	3	4	410	156	Ø 75	260	Ø 75	77	95	340	168/117	470	1	23	0.055
PCC-550-T	-	4	5.5	440	156	Ø 75	260	Ø 75	77	95	340	168/177	470	1	25	0.056

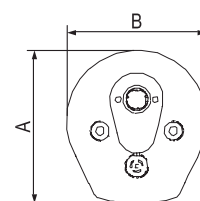
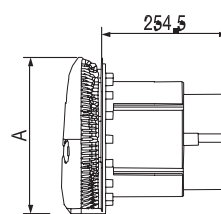
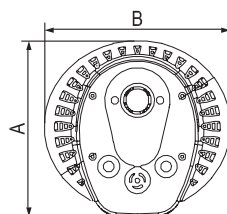
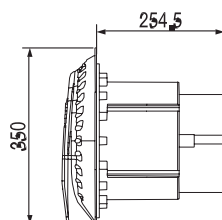


COUNTER CURRENT NOZZLE

✓ Technical features

White ABS and stainless steel counter current nozzles for 'PCC' pumps.

- High protection against UV rays and harsh chemicals generally used in swimming pools
- Built-in pneumatic pushbuttons to operate the relay of the pump's control box
- Includes directional jets, venturi outlet and all connections
- Suitable for both concrete or liner swimming pools



Q Models

CODE	DESCRIPTION	POOL	DIMENSIONS		PACKING	WEIGHT	VOLUME
			A	B		kg	m³
CCN-033	ABS	Concrete/Liner	350	370	1	2.5	0.047
CCN-033-SS	Stainless steel	Concrete/Liner	360	335	1	2.5	0.047

CONTROL PANEL

✓ Technical features

A watertight control box for 'PCC' pumps

- Secure housing with pneumatic electro pushbuttons to ensure complete safety when operating the pump from the water
- Includes all the necessary electrical protection



Control panel
for ABS Nozzle



Control panel
for SS Nozzle

Q Models

CODE	DESCRIPTION	PHASE	PACKING	WEIGHT	VOLUME
				kg	m³
CCP-010-M	For 3HP Pumps ABS Nozzle	Single	1	1.36	0.01
CCP-010-T	For 3HP Pumps ABS Nozzle	Three	1	1.36	0.01
CCP-020-T	For 4HP & 5.5HP Pumps ABS Nozzle	Three	1	1.36	0.01
CCP-010-M-SS	For 3HP Pumps SS Nozzle	Single	1	1.36	0.01
CCP-010-T-SS	For 3HP Pumps SS Nozzle	Three	1	1.36	0.01
CCP-020-T-SS	For 4HP & 5.5HP Pumps SS Nozzle	Three	1	1.36	0.01

21 | VARIABLE FREQUENCY DRIVE

✓ Technical features

The new frequency variable speed drive E-MOTION is a new control system by frequency modulation to enjoy great comfort and minimize the operating costs. Complies with the new IE2 drive efficiency standard,

Why choose E-MOTION?

E-MOTION are extremely robust frequency inverters designed for continuous and intensive use. It has very simple software to program, combined with precise adjustments, which make up a technologically advanced, user-friendly system, capable of operating in 100% of the installations.

Main advantages

- Start-up wizard, very easy to program
- Constant pressure in the installation
- Removes all vibrations and noise in the pipes
- Reduces the energy consumption by up to 80%
- Compatible with all pumps on the market
- Communicates with up to 8 inverters



Wall mount support kit for E-MOTION 11A:

This optional accessory allows the MT2-11 and the TT3-11 frequency inverters to be mounted on a wall and includes a single fan to cool the drive while in operation.



TT3-30

Wall mount support kit for E-MOTION 30A:

This optional accessory allows the TT3-30 E-MOTION drive to be mounted on a wall and includes a twin fan system to cool the drive while in operation

MT2-11 & TT3-11

Q Models

CODE	MOTOR CONSUMPTION A	MOTOR POWER KW	POWER SUPPLY V	PUMP SUPPLY V	INVERTERS COMMUNICATION	DIMENSIONS	WEIGHT	VOLUME m³
MT2-11	11	2.2	1 X 230 (1 ~)	3 X 230 (3 ~)	Up to 8 inverters	230 x 183 x 149	3	0.006
TT3-11	11	4	3 X 400 (3 ~)	3 X 400 (3 ~)		230 x 183 x 149	4	0.007
TT3-30	30	15	3 X 400 (3 ~)	3 X 400 (3 ~)		316 x 276 x 198	5	0.008
E-MOTION 11A	WALL MOUTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 11A						0.5	0.003
E-MOTION 30A	WALL MOUTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 30A						0.75	0.004

	DESCRIPTION	MT2-11	TT3-11	TT3-30
Power Supply	Voltage (V) (+10/-20%)	1 X 230 (1 ~)	3 X 400 (3 ~)	3 X 400 (3 ~)
	Frequency (Hz)	50-60		
	MAX CONSUMPTION (A)	20	12	31
Inverter Output	VOLTAGE (V) (+10/-10%)	3 X 230 (3 ~)	3 X 400 (3 ~)	3 X 230 (3 ~)
	PHASES	3		
	MAXIMUM FREQUENCY (HZ)	60		
	Motor power supply (KVA)	3	5.5	20
Packing	MECHANICAL POWER (P2)	3 HP / 2,2 KW	5,5 HP / 4 KW	20 HP / 15 KW
	WEIGHT (KG)	3.5		5
	DIMENSIONS (MM)	330 X 230 X 170		330 X 295 X 210
Installation	PROTECTION RATING (IP)	IP55		
	TYPE OF ACTION	2B		
	OPERATION	S1		
	GROUNDING SYSTEM DISTRIBUTION	IT, TN-C, TN-S, TT		
	MAXIMUM AMBIENT TEMPERATURE	+40°C		
	AMBIENT HUMIDITY	5% - 95%		
	MAXIMUM ALTITUDE (MTS)	2000		
	MINIMUM SECTION FOR WIRE SUPPLY (MM²)	2.5		6
	MAXIMUM WORKING PRESSURE (BAR)	40		

An underwater photograph of a swimming pool. The water is clear and blue. The floor is covered in light blue square tiles. A metal handrail runs along the edge of the pool. The surface of the water is visible at the top, with ripples and light reflecting off it. The overall scene is serene and clean.

03 POOL CIRCULATION

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03

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01 | SKIMMERS

AQUA LUX ABS OVERFLOW STRAIGHT SKIMMER

An ABS overflow skimmer suitable for commercial and residential pools (panel or concrete with PVC lining) and designed to increase water surface levels by up to 3cm.

- Wide mouth skimmer to increase flow rate
- Robust one-piece ABS moulded body
- ABS skimmer frame and cover with anti-removal system
- ABS floating weir for overflow skimmer
- Polypropylene skimmer basket
- Thread for pressure testing, socket insert, screw in 5.5
- 316 stainless steel screw kit for mod. Liner, in additional elegant flange cover
- Connections: Ø 50mm and Ø 63mm with a shutter flap overflow system (Ø 32mm Male and Ø 25mm Female)
- Maximum flow rate: 9.82m³/h (Ø 50mm) and 15.61m³/h (Ø 63mm)
- Standard: UNI 13451 or In accordance with legislation UNI 13451
- UV resistance



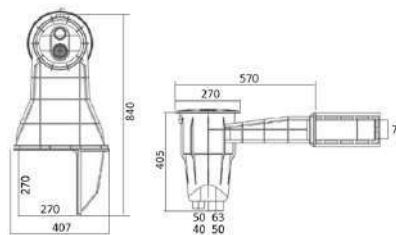
POOL	CODE	DIMENSIONS							PACKING	WEIGHT kg	VOLUME m ³
		A	B	C	D	E	G	H			
Concrete	200200004	560	270	140	76	424	405	565	2	5	0.12
Liner	200200003	560	270	140	76	424	405	565	2	5	0.12

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA LUX ABS OVERFLOW CORNER SKIMMER

An ABS overflow corner skimmer suitable for commercial and residential pools (panel or concrete with PVC lining) and designed to trap floating debris before it enters the pump and filtration system.

- ABS skimmer frame and cover with anti-removal system
- ABS floating weir for overflow skimmer
- Polypropylene skimmer basket
- Skimmer flange
- Thread for pressure testing, socket insert, screw in 5.5
- 316 stainless steel screw kit for mod. Liner, in additional elegant flange cover
- Can be installed in prefabricated pools without sandwich gasket
- Connections: Ø 50mm and Ø 63mm with shutter flap overflow system (Ø 32mm Male x 25mm Female)
- Maximum flow rate: 9.82m³/h (Ø 50 mm) and 15.61m³/h (Ø 63mm)
- In accordance with legislation UNI 13451
- UV resistance



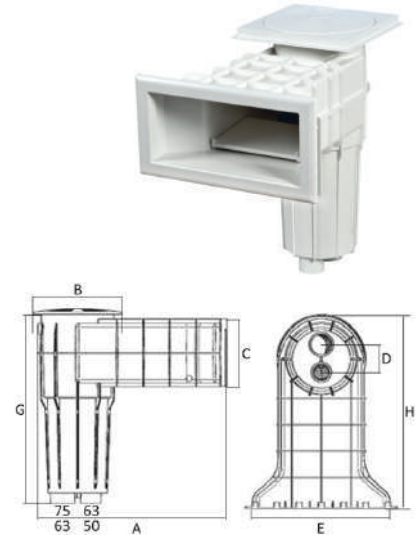
POOL	CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
				kg	m ³
Concrete	200200002	Corner skimmer (right handed)	1	10	0.17
	20200045	Corner skimmer (left handed)	1	10	0.17
Liner	200200001	Corner skimmer (right handed)	1	10	0.17
	200200044	Corner skimmer (left handed)	1	10	0.17

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA LUX ABS CLASSIC SKIMMERS

A classic skimmer suitable for commercial and residential pools (panel or concrete with PVC lining) with a capacity of 22 litres.

- Wide mouth skimmer to increase flow rate
- Robust one-piece ABS moulded body
- ABS skimmer frame and hinged cover with anti-removal system
- ABS floating weir for overflow skimmer
- Polypropylene skimmer basket
- Skimmer flange
- Thread for pressure testing, socket insert, screw in 5.5
- 316 stainless steel screw kit
- Connections: Ø 50mm, Ø 63mm and Ø75mm with shutter flap overflow system Ø 50mm
- Can be installed in a prefabricated pools without sandwich gasket
- Flow rate: 9.82m³/h (Ø 50mm), 15.61m³/h (Ø 63mm) and 22.08m³/h (Ø 75mm)
- In accordance with legislation UNI 13451
- UV resistance



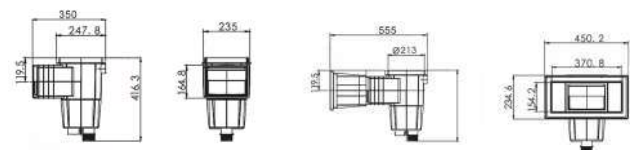
POOL	CODE	DIMENSIONS							PACKING	WEIGHT kg	VOLUME m ³
		A	B	C	D	E	G	H			
Concrete	2002C0004	575	270	206	85	421	573	590	2	14	0.3
Liner	2002C0003	575	270	206	85	421	573	590	2	14	0.3

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

ABS WALL SKIMMER REGULAR & WIDE MOUTH

15 litre, wide mouth wall skimmer for concrete and liner pools

- UV resistant ABS material
- Maximum strength and durability for all weather conditions
- The high flexibility design allows 1.5" or 2" suction connections to the piping
- Suitable for residential and commercial swimming pools
- UV resistance

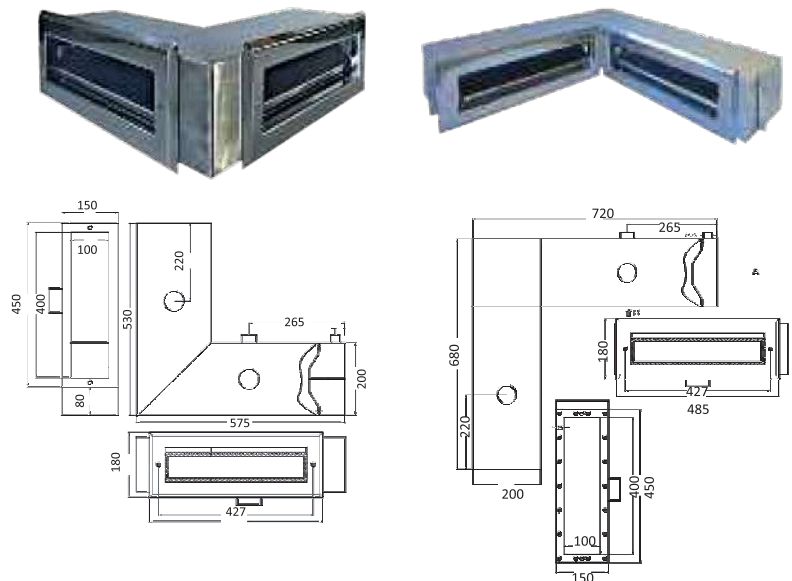


POOL	CODE	DESCRIPTION	CONNECTIONS	FLOW RATE	PACKING	WEIGHT kg	VOLUME m ³
				m ³ /h			
Concrete	F-111	REGULAR MOUTH	1.5" / 2" thread	9-12	1	3.4	0.055
	F-112	WIDE MOUTH	1.5" / 2" thread	9-12	1	4.7	0.055
Liner	F-113	REGULAR MOUTH	1.5" / 2" thread	9-12	1	5.4	0.112
	F-114	WIDE MOUTH	1.5" / 2" thread	9-12	1	5.8	0.112



STAINLESS STEEL CORNER SKIMMER

- Made in AISI-316L stainless steel
- Includes electrical sensor for automatic filling



POOL	CODE	DESCRIPTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m³/h		kg	m³
Concrete	19126	Inner corner, 720 x 680 mm	8	1	24	0.072
	19128	Outer corner, 530 x 575 mm	12	1	24	0.072
Liner	19127	Inner corner, 720 x 680 mm	8	1	25	0.072
	19129	Outer corner, 530 x 575 mm	12	1	25	0.072
-	19131	Control panel for automatic filling	-	1	3	0.077

STANDARD STAINLESS STEEL SKIMMER

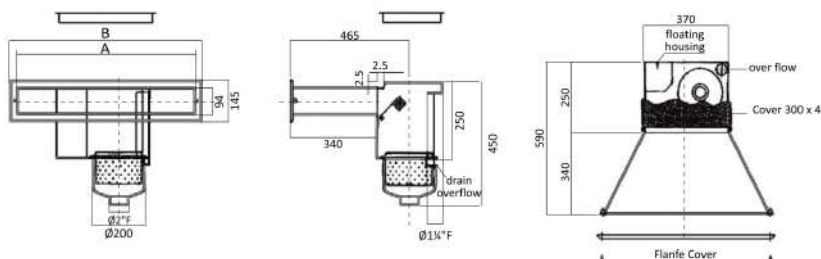
- Made in AISI-316L stainless steel
- Includes electronic sensor for automatic filling



POOL	CODE	MOUTH	FLOW RATE	PACKING	WEIGHT	VOLUME
			m³/h		kg	m³
Concrete	19101R	●	8	1	12	0.075
	19103R	●	12	1	15	0.075
	19101	●	8	1	13	0.075
	19103	●	12	1	16	0.075
Liner	19102R	●	8	1	13	0.075
	19104R	●	12	1	16	0.075
	19102	●	8	1	13	0.075
	19104	●	12	1	16	0.075
-	19131	Control panel for automatic filling		-	-	-

STAINLESS STEEL SKIMMERS FOR LEVEL CHANNEL

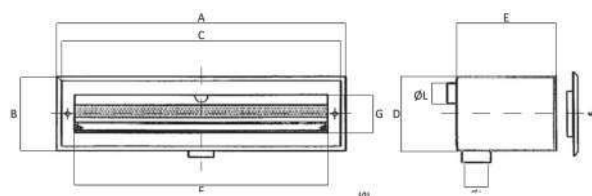
- Made in AISI-316L stainless steel
- For level channel with mouth 600mm or 700mm
- Includes electrical sensor for automatic filling



POOL	CODE	FLOW RATE m³/h	DESCRIPTION	DIMENSIONS		PACKING	WEIGHT kg	VOLUME m³
				A	B			
Concrete	19110	10	mouth 600 mm	600	650	1	20	0.24
	19002	10	mouth 600 mm automatic filling	600	650	1	20	0.24
	19114	12	mouth 700 mm automatic filling	700	750	1	23	0.24
	19112	12	mouth 700 mm	700	750	1	23	0.24
Liner	19111	10	mouth 600 mm	600	650	1	21	0.24
	19003	10	mouth 600 mm automatic filling	600	650	1	21	0.24
	19115	12	mouth 700 mm automatic filling	700	750	1	26	0.24
	19113	12	mouth 700 mm	700	750	1	25	0.24
	19131		Control panel for automatic filling					

STAINLESS STEEL SKIMMERS WITH REMOVABLE BASKET

- Made in AISI-316L stainless steel
- Horizontal skimmer for level channel
- Front removable basket
- Includes electrical sensor for automatic filling



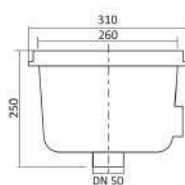
POOL	CODE	FLOW RATE m³/h	DIMENSIONS								PACKING	WEIGHT kg	VOLUME m³
			A	B	C	D	E	F	G	ØI	ØL		
Concrete	19120	8	275	170	250	148	205	391	76	2" F	1" F	1	0.030
	19122	10	475	170	450	148	205	391	76	2" F	1" F	1	0.036
	19124	12	675	170	650	148	205	391	76	2" F	1" F	1	0.084
	19120R	8	275	170	250	148	205	391	76	2" F	1" F	1	0.030
	19122R	10	475	170	450	148	205	400	76	2" F	1" F	1	0.036
	19124R	12	675	170	650	148	205	600	76	2" F	1" F	1	0.084
Liner	19121	8	275	170	250	148	205	391	76	2" F	1" F	1	0.030
	19123	10	475	170	450	148	205	391	76	2" F	1" F	1	0.036
	19125	12	675	170	650	148	205	391	76	2" F	1" F	1	0.084
	19121R	8	275	170	250	148	205	391	76	2" F	1" F	1	0.030
	19123R	10	475	170	450	148	205	400	76	2" F	1" F	1	0.036
	19125R	12	675	170	650	148	205	600	76	2" F	1" F	1	0.084
1	19131		Control panel for automatic filling									1	



02 | LEVEL REGULATORS

AQUA LUX ABS LEVEL REGULATOR

- ABS body, cover adaptor, skimmer cover and skimmer frame cover
- Tap with floaters Ø 3/8" (Male) and overflow system stub pipe
- Anti-intrusion system for skimmer cover
- Nozzle connection Ø 50mm (Female)
- Overflow system connection Ø 50mm (to be drilled at installation)
- Water connection: 3" (Male)
- Standards:
 - Inlet systems UNI EN 1063722006 Par 5.2.3.3
 - UNI EN 13451 – 1:2002 points 4.41, 4.5, 4.6, 4.11, 4.12, 6.1, 6.2, 6.3, 6.1, 6.2
 - UNI EN 13451 – 3:2002 points 4.27 – A.2.2
- UV resistance

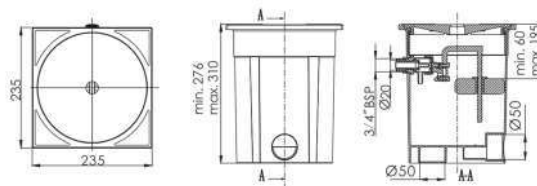


CODE	DESCRIPTIONS	DIMENSION	PACKING	WEIGHT	VOLUME
		L x W x H		kg	m ³
200200059	MECHANICAL	310 x 310 x 250	1	2	0.045
200200730	ELECTRICAL	310 x 310 x 250	1	2	0.045

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

ABS WATER LEVEL REGULATOR

- Manufactured in high quality ABS thermoplastic polymer
- Injection moulded for increased resistance and durability
- Maximum working pressure: 2.5 bar
- UV resistance



POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m ³ /h		kg	m ³
Concrete	F-120	Inlet: 20mm OR 3/4 @ BSP Outlet: 50mm	1.8-3	1	1.7	0.0167

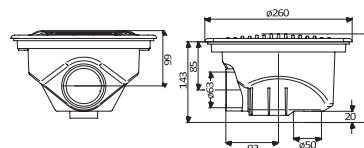
03 | MAIN DRAINS

For all kinds of main drains, the following points need to be taken into consideration:

- Maximum water Speed: 0.5m/s
- Maximum suction velocity: 1.5m/s
- It is recommended to install 2 main drains in each water body
- Minimum distance between drains: 2m
- It is recommended to use a safety vacuum release valve device to avoid entrapment and automatically switch off the pump

AQUA LUX ABS SQUARE MAIN DRAIN

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Outlet connections: Side Ø 63mm. Bottom Ø 50mm
- Socket insert and screw 5.5 AISI-316L stainless steel for liner installations
- In accordance with legislation: UNI 13451 for public use
- UV resistance

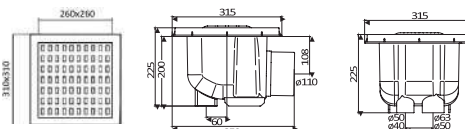


POOL	CODE	Ø PIPE	FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
			0.5 m/s m³/h		kg	m³
Concrete	200200038	63F - 75M	28.11	1	1	0.01

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA ABS LUX AQUAMAX MAIN DRAIN

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Flow rate 52m³/h at speed of 0.5m/s. Lateral fitting Ø 125/110
- Socket insert and screw INOX AISI-316 stainless steel for liner installations
- In accordance with legislation: UNI 13451 for public use
- UV resistance

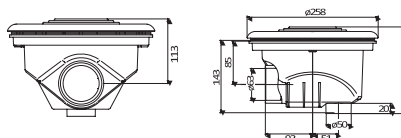


POOL	CODE	Ø PIPE	FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
			0.5 m/s m³/h		kg	m³
Concrete	200200061	90	49.59	1	2	0.03
		125	52.71	1	2	0.03
Liner	200200060	90	49.59	1	3	0.03
		125	52.71	1	3	0.03

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA LUX ABS ROUND MAIN DRAIN

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- In accordance with legislation for public use UNI 13451
- Outlet connections: Side Ø 63mm. Bottom Ø 50mm
- Socket insert and screw 5.5 AISI-316 stainless steel for liner installations
- UV resistance



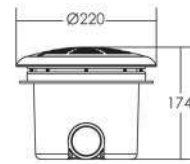
POOL	CODE	Ø PIPE	FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
			0.5 m/s m³/h		kg	m³
Liner	200200037	63 - 75	29.72	1	2	0.01

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black



ABS ROUND MAIN DRAIN

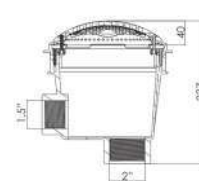
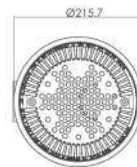
- High quality main drain made in ABS with antivortex grid
- Resistance against corrosion and ultraviolet



POOL	CODE	FLOW RATE	PACKING	WEIGHT	VOLUME
		m ³ /h		kg	m ³
Concrete	F-121	9	1	12	0.123
Liner	F-122	9	1	1.1	0.010

VGB ABS SAFETY ROUND MAIN DRAIN

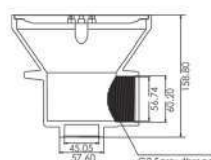
- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete installations
- Comply with provisions ANSI/APSP-16 2011 standard and the Virginia Graeme Baker Pool and Spa Safety Act



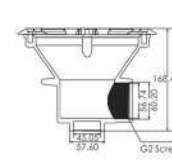
POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m ³ /h		kg	m ³
Concrete	F-126	1.5" / 2" Threaded	14.4	8	12	0.123

ABS FLASH MAIN DRAIN

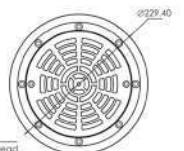
- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete and liner installations



F-123



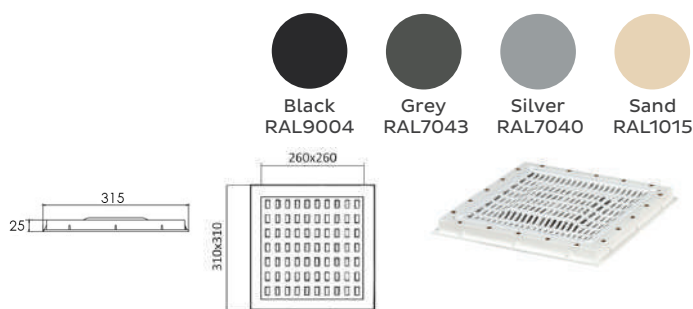
F-124



POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m ³ /h		kg	m ³
Concrete	F-123	G2 Internal threaded	13.02	1	3.4	0.040
Liner	F-124	G2 Internal threaded	13.02	1	4.7	0.040

AQUA LUX ABS COVERS

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Lateral fitting Ø 125/110
- Grille outer dimension: 310mm x 310mm x 25mm
- Grille dimension: 260mm x 260mm
- Socket insert and screw INOX AISI-316 stainless steel for liner pools
- Certification standard: UNI 13451 (For public use)
- UV resistance

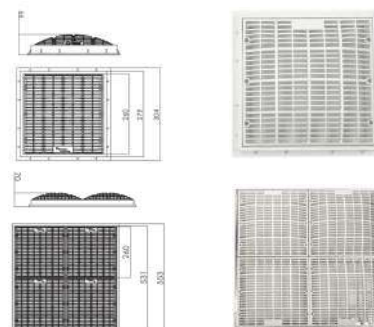


POOL	CODE	Ø PIPE	FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
			0.5 m/s m³/h		kg	m³
Concrete	200200061C	90	49.59	1	2	0.03
		125	52.71	1	2	0.03
Liner	200200060C	90	49.59	1	3	0.03
		125	52.71	1	3	0.03

PS: Codes listed are for white colours, for other add at the end of the code; SA for Sand, SL for Silver, GR for Grey, and BK for Black

VGB ABS SQUARE MAIN DRAIN COVER

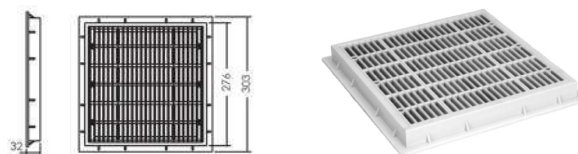
- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete installations
- Overall dimension: 304mm x 304mm x 66mm
- Grille dimension: 279mm x 279mm
- ANSP / APSP Certification 1602011 standard
- Comply with provisions ANSI/APSP-16 2011 standard and the Virginia Graeme Baker Pool and Spa Safety Act



POOL	CODE	FLOW RATE	PACKING	WEIGHT	VOLUME
		m³/h		kg	m³
Concrete	F-101	54	20	29.2	0.164
Concrete	F-102	216	8	8.8	0.028

ABS SQUARE MAIN DRAIN COVER

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete installations
- Overall dimension: 303mm x 303mm x 32mm
- Grille dimension: 276mm x 276mm



POOL	CODE	FLOW RATE	PACKING	WEIGHT	VOLUME
		m³/h		kg	m³
Concrete	F-152	51	10	15	0.029

ABS ROUND MAIN DRAIN COVER

- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant

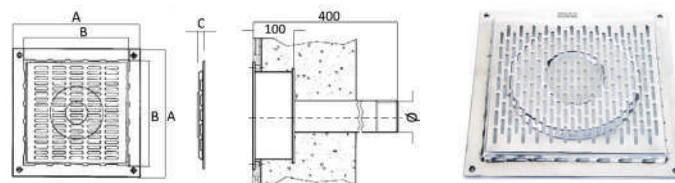


POOL	CODE	FLOW RATE	PACKING	WEIGHT	VOLUME
		m³/h		kg	m³
Concrete	F-137	33.48	30	13.5	0.099



STAINLESS STEEL WALL SAFETY GRATE WITH CASING

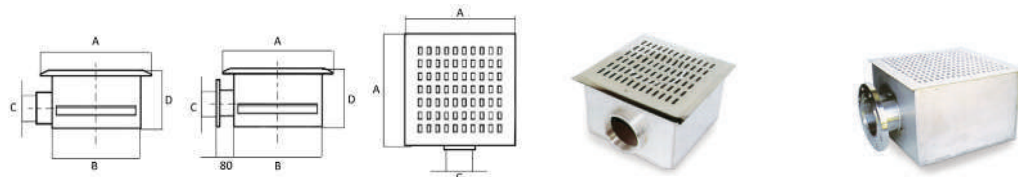
- Made of AISI-316L stainless steel
- Suitable for concrete installations
- Anti-vortex grill



CODE		CONNECTION	FLOW RATE AT SPEED	DIMENSIONS			PACKING	WEIGHT	VOLUME
CONCRETE	LINER	Ø	0.5 m/s m³/h	A	B	C		kg	m³
F-168	F-173	1 x 3"	25	300 x 300	240 x 240	23	1	8	0.005
F-169	F-174	1 x 4"	40	350 x 350	290 x 290	23	1	10	0.006
F-170	F-175	1 x 5"	60	450 x 450	390 x 390	23	1	12	0.007
F-171	F-176	2 x 4"	73	550 x 350	490 x 290	23	1	15	0.008
F-172	F-177	2 x 5"	84	660 x 450	600 x 390	28	1	18	0.009

STAINLESS STEEL SQUARE DRAINS

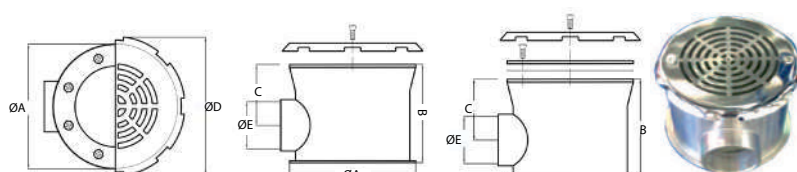
- Made of AISI-316L stainless steel
- Polished grille cover
- Anti-vortex grill



CODE	DIMENSIONS				FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
	A	B	C	D	0.5 m/s m³/h		kg	m³
F-146	250	200	2" F	170	22	1	6	0.012
F-147	300	250	3" F	200	37	1	8	0.03
F-148	350	300	4" F	200	59	1	10	0.04
F-149	450	400	DN 125	290	78	1	25	0.125
F-150	500	450	DN 150	320	134	1	30	0.137

STAINLESS STEEL ROUND POOL DRAIN

- Made of AISI-316L – V4A stainless steel
- Connection pipe: Ø2" (Female)
- Suitable for concrete and liner installations
- Anti-vortex grill



POOL	CODE	FLOW RATE AT SPEED	DIMENSIONS					PACKING	WEIGHT	VOLUME
		0.5 m/s m³/h	A	B	C	ØD	ØE		kg	m³
Concrete	20099	20	170	125	65	190	2" F	1	3	0.008
Liner	20100	20	170	125	65	190	2" F	1	4	0.008
Concrete	20120	25	220	190	140	250	2½" F	1	5	0.015
Liner	20121	25	220	190	140	250	2½" F	1	6	0.015

STAINLESS STEEL SUCTIONS ROUND DRAIN

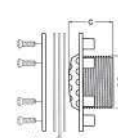
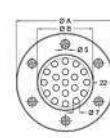
- Made of AISI-316L stainless steel
- Suitable for concrete and liner installations
- Anti-vortex grill



17129/17130/17131/17132



17133/17135/17136/17137



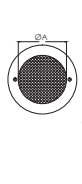
POOL	CODE	DIMENSIONS				FLOW RATE AT SPEED 4 m/s m³/h	PACKING	WEIGHT kg	VOLUME m³
		A	B	C	D				
Concrete	17129	104	61	50	2"	6	1	1	0.009
Concrete	17130	143	95	56	3"	13.5	1	1	0.018
Concrete	17131	155	110	68	4"	21	1	2	0.025
Concrete	17132	210	125	80	5"	28.5	1	2	0.035
Liner	17133	106	62	48	2"	6	1	1	0.009
Liner	17135	144	90	58	3"	13.5	1	1	0.018
Liner	17136	160	110	66	4"	21	1	2	0.025
Liner	17137	210	130	74	5"	28.5	1	2	0.035

STAINLESS STEEL SUCTIONS WALL THROUGH

- Made of AISI-316L stainless steel
- Suitable for concrete and liner installations
- Anti-vortex grill



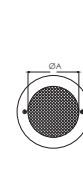
17140-17141



17142-17143



17154-17155



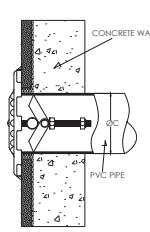
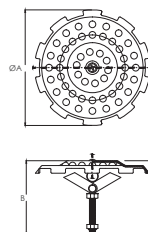
17156-17157



POOL	CODE	CONNECTIONS	FLOW RATE AT SPEED m³/h	PACKING	WEIGHT kg	VOLUME m³
Concrete	17140	Threaded 3"	45	1	5	0.028
Concrete	17141	Threaded 4"	60	1	6	0.040
Concrete	17142	Threaded DN 125"	80	1	8	0.064
Concrete	17143	Threaded DN 150"	100	1	10	0.088
Liner	17154	Threaded 3"	45	1	6	0.028
Liner	17155	Threaded 4"	60	1	7	0.040
Liner	17156	Flanged DN 125	80	1	9	0.061
Liner	17157	Flanged DN 150	100	1	11	0.088

STAINLESS STEEL WALL GRILL SCREW IN PIPE

- Made of AISI-316L stainless steel
- Anti-vortex grill

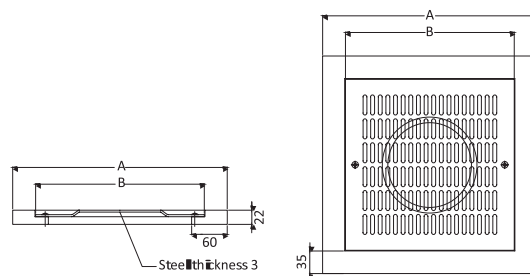


CODE	DIMENSIONS				FLOW RATE AT SPEED 4 m/s m³/h	PACKING	WEIGHT kg	VOLUME m³
	A	B	C	D				
17086	106	62	48	2"	6	1	1	0.018
17087	144	90	58	3"	13.5	1	1	0.018
17088	160	110	66	4"	21	1	1	0.025



STAINLESS STEEL STANDARD BOTTOM GRILLE COVER

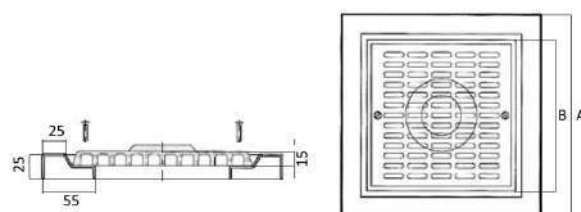
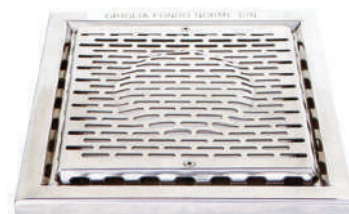
- Made of AISI-316L stainless steel
- Suitable for concrete and liner installations
- Anti-vortex grill



CODE		FLOW RATE AT SPEED 0.5 m/s m³/h	DIMENSIONS mm		PACKING	WEIGHT kg	VOLUME m³
CONCRETE	LINER		A	B			
F-155	F-160	17	280 x 280	200 x 200	1	1.7	0.001
F-156	F-161	28	325 x 325	250 x 250	1	2.4	0.003
F-157	F-162	39	380 x 380	300 x 300	1	3.2	0.004
F-158	F-163	69	480 x 480	400 x 400	1	5.1	0.006
F-159	F-164	108	580 x 580	500 x 500	1	5.9	0.010

STAINLESS STEEL BOTTOM GRATE COVER

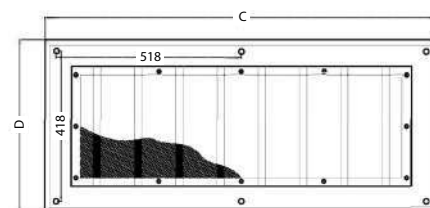
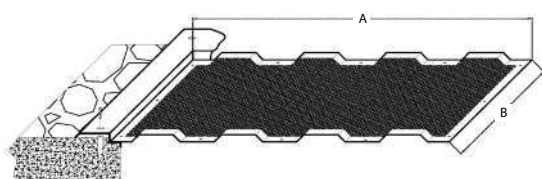
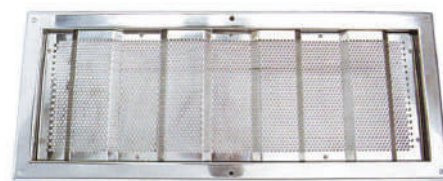
- Made of AISI-316L stainless steel
- Suitable for concrete and liner installations
- Anti-vortex grill



CODE		FLOW RATE AT SPEED 0.5 m/s m³/h	DIMENSIONS mm		PACKING	WEIGHT kg	VOLUME m³
CONCRETE	LINER		A	B			
F-165M	-	25	250 x 250	210 x 210	1	1.9	0.002
F-165	F-165-L	45	355 x 355	295 x 295	1	4	0.003
F-166	F-166-L	80	455 x 455	395 x 395	1	5	0.006
F-167	F-167-L	140	555 x 555	495 x 495	1	6	0.009

STAINLESS STEEL RECTANGULAR WALL SAFETY GRATE COVER

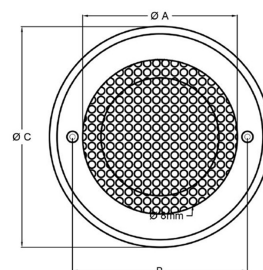
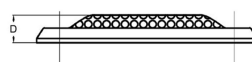
- Made of AISI-316L stainless steel
- Suitable for concrete installations
- Anti-vortex grill



CODE	FLOW RATE AT SPEED	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
	0.5 m/s m³/h	A	B	C	D		kg	m³
F-178	190	723	330	871	478	1	7	0.045
F-179	250	948	330	1096	478	1	9	0.06

STAINLESS STEEL ROUND BOTTOM GRILL COVER

- Made of AISI-316L stainless steel
- Anti-vortex grill



CODE	FLOW RATE AT SPEED	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
	0.5 m/s m³/h	A	B	C	D		kg	m³
17200	21	168	195	260	33	1	1	0.009
17201	42	220	247	315	31	1	2	0.012
17202	66	273	300	380	47	1	2	0.016
17203	78	320	347	430	34	1	3	0.020



04 | NOZZLES

AQUA LUX ABS RETURN WALL INLET

- Injection molded nozzle developed for high flow rate systems
- An innovative design that incorporates an adjustable fin to improve flow distribution
- Outer clamping ring nut also produces a conical swirl effect flow, the moment it leaves the nozzle
- Socket insert and screw in INOX AISI-316 stainless steel for liner pools
- Elegant flange cover (77mm)
- Maximum flow rate: 13.49 at speeds of 4m/s
- In accordance with legislation UNI 13451
- UV resistance



200200116

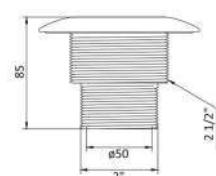
200200121

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
200200017F	Directional return wall inlet for concrete 2" male thread, 50mm inside glue - White	50	20	0.09
200200048F	Return wall inlet for liner 2" male thread, 50mm inside glue- White	50	20	0.09
200200116	Ring nut tightening wrench for nozzle jet			
200200121	Trow angle limiter 60-120-180-270 degree			

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA LUX ABS OVERFLOW CHANNEL DRAIN AND VACUUM POINT

- Injection molded nozzle developed for high flow rate systems
- An innovative design that incorporates an adjustable fin to improve flow distribution
- Outer clamping ring nut also produces a conical swirl effect flow, the moment it leaves the nozzle
- Socket insert and screw in INOX AISI-316 stainless steel for liner pools
- Elegant flange cover (77mm)
- Maximum flow rate: 13.49 at speeds of 4m/s
- In accordance with legislation UNI 13451
- UV resistance



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
200200020	Suction grill	1	0.1	0.001
200200021	Valve hose tail	1	0.1	0.001
200200022	Blanking plate	1	0.1	0.001
200200047F	Wall inlet for concrete 2" male thread, 50mm inside glue	1	0.2	0.01
200200049F	Wall inlet for liner 2" male thread, 50mm inside glue	1	0.2	0.01

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

AQUA LUX ABS FLOOR NOZZLE

- ABS floor nozzle which produces a radial water flow
- Connection: Ø63 and Ø50mm
- Complete with gasket, cover flange and fixing flange
- Screws made of INOX 316L stainless steel
- Maximum flow rate: 13.49 at speeds of up to 4m/s
- In accordance with legislation UNI 13451
- UV resistance

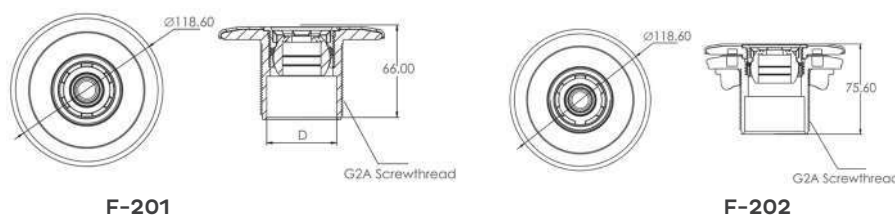


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
200200028F	Radial floor inlet for concrete 2" male thread, 50mm inside glue-White	1	0.19	0.01
200200027F	Radial floor inlet for liner 2" male thread, 50mm inside glue-White	1	0.19	0.01
200200116	Ring nut tightening wrench for nozzle jet	1	0.1	0.005
200200121	Trow angle limiter 60-120-180-270 degree	1	0.1	0.005

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

ABS WALL RETURN INLET

- High quality return outlet
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete and liner installations
- Certification standard: ANSP / APSP 1602011
- Also available in black (add BK after the code) or grey (add GR after the code)



POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m³/h		kg	m³
Concrete	F-201	50 mm solvent, G2A screw thread	9	24	9.4	0.041
Liner	F-202	50 mm solvent, G2A screw thread	9	24	5.1	0.041



ABS VACUUM POINT

- High quality vacuum point
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete and liner installations
- Certification standard: ANSP / APSP 1602011



POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m ³ /h		kg	m ³
Concrete	F-203	50mm Solvent, G2A Screw thread	9	24	5	0.041
Liner	F-204	50mm Solvent, G2A Screw thread	13.02	12	4.1	0.021

ABS FLOOR INLET

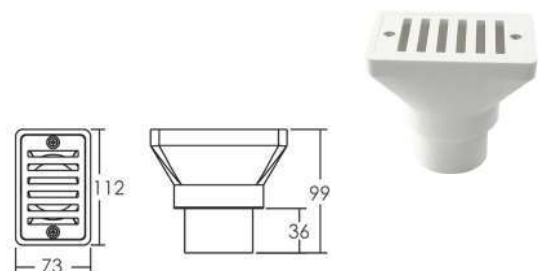
- High quality return inlet
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete and liner installations
- Certification standard: ANSP / APSP 1602011



POOL	CODE	CONNECTION	FLOW RATE	PACKING	WEIGHT	VOLUME
			m ³ /h		kg	m ³
Concrete	F-194	Gb50 Solvent, G2A Screw thread	12	24	5.4	0.041
Liner	F-194-L	50 MM Solvent, G2A Screw thread	9	12	5	0.021

ABS WALL GUTTER DRAIN

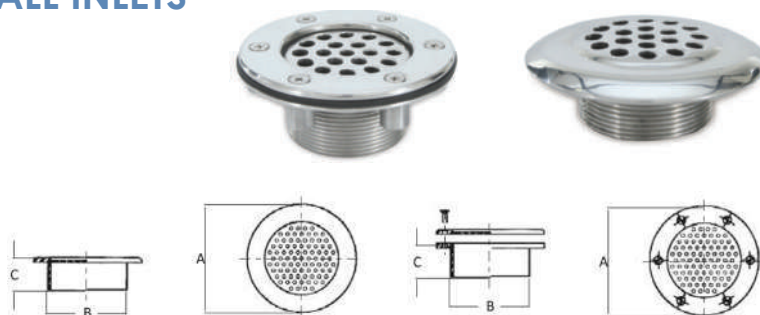
- High quality main drain with anti-vortex grille
- Made of white ABS thermoplastic polymer
- Corrosion and UV resistant
- Suitable for concrete installations
- Certification standard: ANSP / APSP 1602011



POOL	CODE	FLOW RATE	PACKING	WEIGHT	VOLUME
		m ³ /h		kg	m ³
Concrete	F-198	9	12	3	0.0128

STAINLESS STEEL ORIENTABLE WALL INLETS

- Made of AISI-316 L stainless steel
- Suitable for concrete and liner installations



POOL	CODE	DIMENSION			FLOW RATE AT SPEED 4 m/s m³/h	PACKING	WEIGHT kg	VOLUME m³
		A	B	C				
Concrete	F-210	100	1½"	43	4	1	1	0.009
	F-211	104	2"	45	6	1	1	0.009
	F-212	143	3"	45	13.5	1	1	0.018
	F-213	168	4"	51	21	1	2	0.004
Liner	F-214	95	1½"	46	4	1	1	0.009
	F-215	106	2"	48	6	1	1	0.009
	F-216	144	3"	50	13.5	1	2	0.018
	F-217	160	4"	57	21	1	2	0.018

STAINLESS STEEL ORIENTAL WALL INLETS

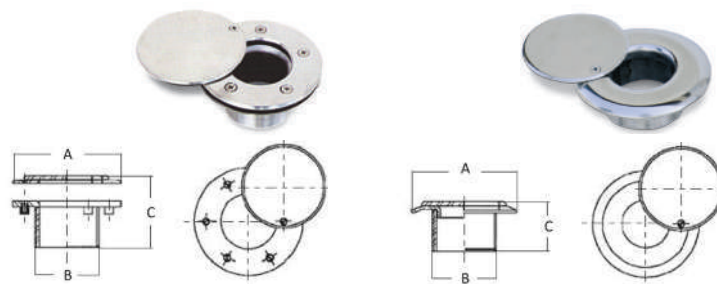
- Made of AISI-316 L stainless steel
- Suitable for concrete and liner installations



POOL	CODE	DIMENSION				FLOW RATE AT SPEED 4 m/s m³/h	PACKING	WEIGHT kg	VOLUME m³
		A	B	C	D				
Concrete	F-218	100	1½"	42	18	4	1	1	0.009
	F-219	104	2"	42	21	6	1	1	0.009
	F-220	135	3"	50	33	13	1	2	0.018
Liner	F-221	96	1½"	47	18	4	1	1	0.009
	F-222	106	2"	50	21	6	1	1	0.009
	F-223	137	3"	52	33	13	1	2	0.018

STAINLESS STEEL SUCTIONS

- Made of AISI-316 L stainless steel
- Suitable for concrete and liner installations

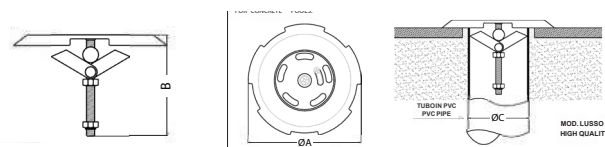


POOL	CODE	DIMENSIONS			PACKING	WEIGHT kg	VOLUME m³
		A	B	C			
Concrete	F-240	100	2"	47	1	1	0.018
Liner	F-241	100	2"	50	1	1	0.018



STAINLESS STEEL ADJUSTABLE FLOOR INLET “LUSSO”

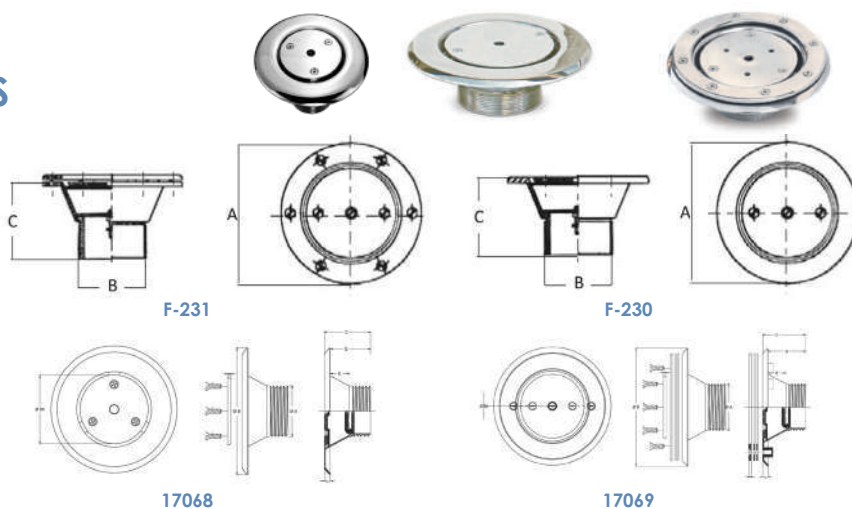
- Made of AISI-316 L stainless steel
- Suitable for concrete installations



CODE	DIMENSIONS mm			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
	A	B	C	4 m/s m³/h		kg	m³
F-232	120	80	50-63	3	1	1	0.009
F-233	145	80	75-90	5	1	1	0.018

STAINLESS STEEL ADJUSTABLE FLOOR INLETS

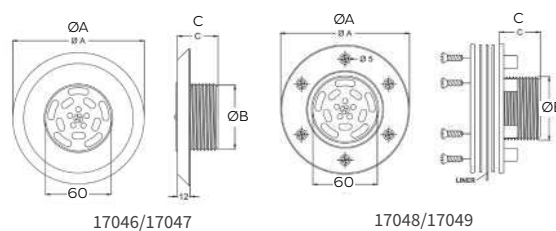
- Made of AISI-316 L stainless steel
- Suitable for concrete and liner installations



POOL	CODE	DIMENSIONS			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
		A	B	C	4 m/s m³/h		kg	m³
Concrete	F-230	145	2"	55	8	1	1	0.018
Liner	F-231	145	2"	60	8	1	1	0.018
Concrete	17068	190	3"	75	15	1	1	0.027
Liner	17069	190	3"	75	15	1	1	0.027

STAINLESS STEEL AIS 316L ADJUSTABLE FLOOR INLETS - BUTTERFLY TYPE

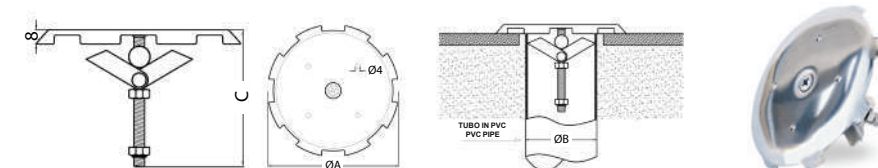
- Made of AISI-316 L stainless steel
- Suitable for concrete and liner installations



POOL	CODE	DIMENSIONS			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
		ØA	ØB	C	4 m/s m³/h		kg	m³
Concrete	17046	120	2" - M	35	16	1	1	0.007
Concrete	17047	135	3" - M	40	21	1	1	0.018
Liner	17048	120	2" - M	35	16	1	1	0.007
Liner	17049	135	3" - M	40	21	1	1	0.018

STAINLESS STEEL FIXED FLOOR INLET "STANDARD"

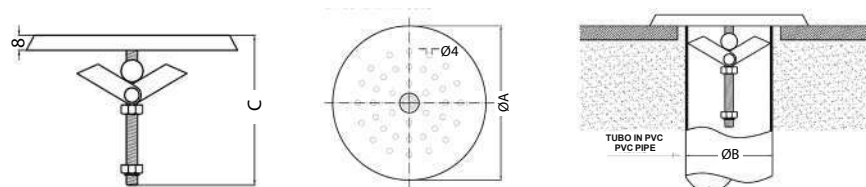
- Made of AISI-316 L stainless steel
- Suitable for concrete installations



CODE	DIMENSIONS mm			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
	A	B	C	4 m/s m ³ /h		kg	m ³
F-234	115	50-63	70	4	1	1	0.018
F-235	135	75-90	70	6	1	1	0.018

STAINLESS STEEL FIXED FLOOR INLET MOD. KAISER

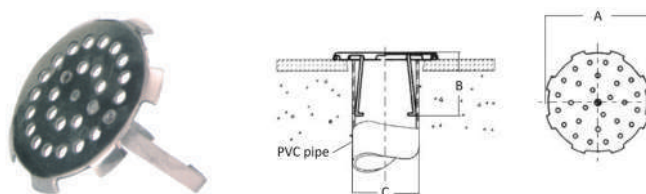
- Made of AISI-316L stainless steel
- Suitable for concrete installations



CODE	DIMENSIONS mm			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
	A	B	C	4 m/s m ³ /h		kg	m ³
F-236	102	50-63	80	8	1	1	0.009
F-237	130	75-90	80	18	1	1	0.018

STAINLESS STEEL OVERFLOW CHANNEL DRAIN

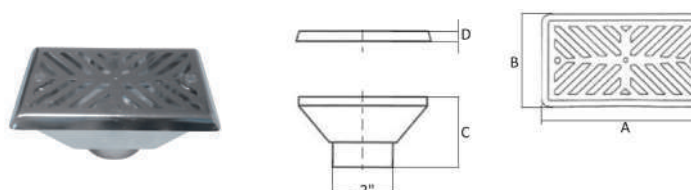
- Made of AISI-316L stainless steel
- Complete with hook for fixing



CODE	DIMENSIONS mm			FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
	A	B	C	4 m/s m ³ /h		kg	m ³
F-245	110	112	63/70	10	1	1	0.006
F-246	130	112	90/70	20	1	1	0.006

STAINLESS STEEL GRILL (FOLDED)

- Made of AISI-316L stainless steel
- Suitable for concrete and liner installations



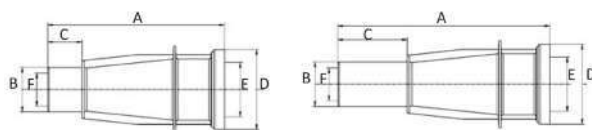
POOL	CODE	DIMENSIONS mm				FLOW RATE AT SPEED	PACKING	WEIGHT	VOLUME
		A	B	C	D	4 m/s m ³ /h		kg	m ³
Concrete	F-248	166	95	87	12	13	1	1	0.006
Liner	F-248-L	150	81	87	12	13	1	1	0.006



05 | WALL CONDUITS

AQUA LUX ABS WALL CONDUIT

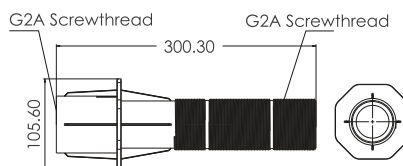
- ABS wall conduit with connection for inlet nozzle
- UV resistance



CODE	DIMENSIONS						PACKING	WEIGHT	VOLUME
	A	B	C	D	E	F		kg	m ³
200200686	250	Ø63	48	Ø113	2½" inside thread	1½" inside thread	1	0.50	0.006
200200685	300	Ø63	98	Ø113	2½" inside thread	1½" inside thread	1	0.60	0.006

ABS WALL CONDUIT

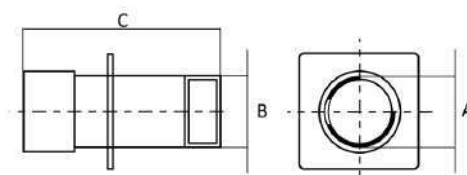
- ABS wall conduit with connection for inlet nozzle
- UV resistance



CODE	CONNECTIONS	PACKING	WEIGHT	VOLUME
			kg	m ³
F-250	50 mm solvent, G2A screw thread	1	0.50	0.006

STAINLESS STEEL WALL CONDUITS

- Made of AISI-316L stainless steel
- Includes connection for inlet nozzle



CODE	DIMENSION mm			PACKING	WEIGHT	VOLUME
	A	B	C mm		kg	m ³
F-253	1½"	1½"	250/350	1	1	0.006
F-254	2"	2"	250/350	1	1	0.006
F-255	3"	3"	400	1	2	0.010
F-256	4"	4"	400	1	3	0.010



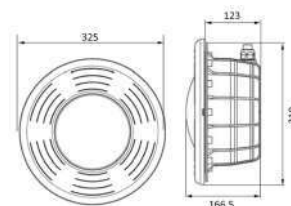
An underwater photograph of a swimming pool. The water is clear and blue, with light reflecting off the surface. The pool's interior is covered in blue mosaic tiles. A black ladder is visible on the left side. The floor of the pool features a circular pattern of white and blue tiles. A large, dark blue, abstract shape is visible in the bottom right corner.

04 ELECTRICAL EQUIPMENT

01	AQUA ABS LUXE UNDERWATER LIGHTS	110
02	ABS UNDERWATER LIGHT	110
03	UNDERWATER LED BULBS & REMOTE PAR 56 AC	111
04	UNDERWATER LED BULBS & REMOTE PAR 56 DC	111
05	RESIN UW LED BULB PAR 56 AC	112
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01 | AQUA ABS LUXE UNDERWATER LIGHTS



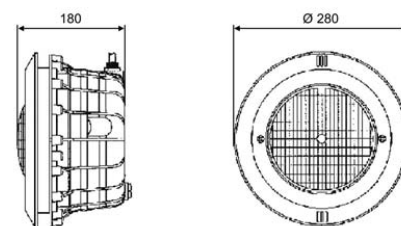
- ABS PAR56 lights
- Suitable for both concrete and liner installations
- Includes 12V AC 300W halogen bulb as standard (LED available on request)
- Installation kit includes: Light body, light box with connector, power derivation box (CE approved) with connector, flexible hose protector and 2.5m cable
- Protection rating: IP68

STRUCTURE	CODE	DESCRIPTION	LUMEN	POWER	PACKING	WEIGHT	VOLUME
						kg	m ³
Concrete	200300002	Par56 under water Halogen light complete with installation kit	4000	300W - 12V AC	1	4.5	0.035
Liner	200300001	Par56 under water Halogen light complete with installation kit	4000	300W - 12V AC	1	4.5	0.035
	SSRIM04	Stainless steel AISI316L V4A rim			1	0.6	0.01

PS: Codes listed are for white colours, for other add at the end of the code: SA for Sand, SL for Silver, GR for Grey, and BK for Black

02 | ABS UNDERWATER LIGHT

- Top quality ABS thermoplastic polymer
- Corrosion and UV resistant
- Stainless steel fixing claws for stronger grip and longer life
- Niche with back thread (3/4") with an optional marked hole for rear connection
- Includes 2.5m soft, water-tight cable, gland and a corrugated tube (1m)
- Available with brass inserts or self threading
- Sandwich seals for panel pools
- Various colour options available
- CE approved
- Protection rating: IP68



CODE	DESCRIPTION	POWER	LUMEN	PACKING	WEIGHT	VOLUME
					kg	m ³
E-101	ABS Underwater light round concrete	300W - 12V - AC	4000	1	2.70	0.015
E-105	ABS Underwater light round liner	300W - 12V - AC	4000	1	2.70	0.015
SSRIM03	Stainless steel AISI 316L V4A Rim			1	0.60	0.01

03 | UNDERWATER LED BULBS & REMOTE PAR 56 AC

- Waterproof lamp in AISI-316 stainless steel case
- Heat diffusing ring in AISI-316 stainless steel
- Energy efficient PAR56 LED Bulb
- Multiple colour options



RC-02
REMOTE CONTROL
& CONTROLLER

CODE	COLOR	LED	LUMEN	POWER	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m³
E-120-252-W	White	252	1400	18 W	12 V AC	1	1.1	0.006
E-120-252-WW	Warm white	252	1400	18 W	12 V AC	1	1.1	0.006
E-120-252-RGB	RGB	252	600	18 W	12 V AC	1	1.1	0.006
E-120-333-W	White	333	1800	24 W	12 V AC	1	1.1	0.006
E-120-333-WW	Warm white	333	1800	24 W	12 V AC	1	1.1	0.006
E-120-333-RGB	RGB	333	820	24 W	12 V AC	1	1.1	0.006
E-120-441-W	White	441	2200	35 W	12 V AC	1	1.1	0.006
E-120-441-WW	Warm white	441	2200	35 W	12 V AC	1	1.1	0.006
E-120-441-RGB	RGB	441	1022	35 W	12 V AC	1	1.1	0.006
RC-02	Controller and remote controller (220V AC INPUT-OUTPUT 220V 1000 W)					1	0.1	0.0001

04 | UNDERWATER LED BULBS & REMOTE PAR 56 DC

- Waterproof lamp in AISI-316 stainless steel case
- Heat diffusing ring in AISI-316 stainless steel
- Energy efficient PAR56 LED Bulb
- Multiple colour options



AMPLIFIER
RC-04

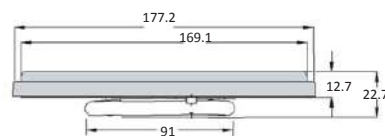
REMOTE CONTROLLER
RC-03

CODE	COLOR	LED	LUMEN	WATTS	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m³
E-124-252-W	White	252	1400	18 W	12 V DC	1	1.1	0.006
E-124-252-WW	Warm white	252	1400	18 W	12 V DC	1	1.1	0.006
E-124-252-RGB	RGB	252	600	18 W	12 V DC	1	1.1	0.006
E-124-333-W	White	333	1800	24 W	12 V DC	1	1.1	0.006
E-124-333-WW	Warm white	333	1800	24 W	12 V DC	1	1.1	0.006
E-124-333-RGB	RGB	333	820	24 W	12 V DC	1	1.1	0.006
E-126-441-W	White	441	2200	35 W	12 V DC	1	1.1	0.006
E-126-441-WW	Warm white	441	2200	35 W	12 V DC	1	1.1	0.006
E-126-441-RGB	RGB	441	1022	35 W	12 V DC	1	1.1	0.006
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 W					1	0.20	0.0006



05 | RESIN UW LED BULB PAR 56 AC

- Waterproof lamp suitable for swimming pools and water features
- Water-proof casing made of special epoxy resin
- Acid-proof, alkali-proof and UV resistant to 60°C
- Energy efficient PAR56 LED Bulb
- Multiple colour options
- Remote control available on request
- The color temperature of the white light will be within the range of 10000 to 11000 Kelvin.
- The color temperature of the warm white light will be within the range of 3000 to 3500 Kelvin.

RC-11
REMOTE CONTROL
& CONTROLLERRC-12
REMOTE CONTROL
& CONTROLLER

CODE	COLOR	LED	LUMEN	WATTS	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m³
E-129-252-W	White	252	2100	21 W	12 V AC	1	1.1	0.006
E-129-252-WW	Warm white	252	2100	21 W	12 V AC	1	1.1	0.006
E-129-252-RGB	RGB	252	900	18 W	12 V AC	1	1.1	0.006
E-129-531-W	White	531	3600	36 W	12 V AC	1	1.1	0.006
E-129-531-WW	Warm white	531	3600	36 W	12 V AC	1	1.1	0.006
E-129-531-RGB	RGB	531	1650	33 W	12 V AC	1	1.1	0.006
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009

06 | RESIN UW LED BULB PAR 56 DC

- Waterproof lamp made from high quality ABS
- Low power consumption with long-term stability
- Voltage: 12V DC
- Remote control and amplifier available on request



AMPLIFIER - RC-04

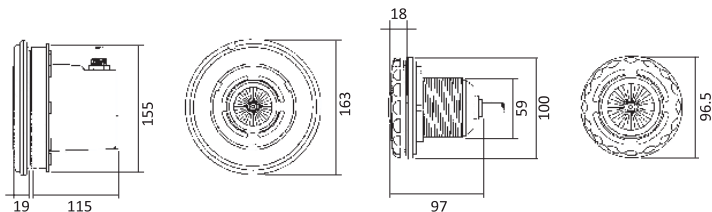


REMOTE CONTROLLER - RC-03

CODE	COLOR	LED	LUMEN	WATTS	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m³
E-127-252-W	White	252	1300	18 W	12 V DC	1	1.1	0.006
E-127-252-WW	Warm white	252	1437	18 W	12 V DC	1	1.1	0.006
E-127-252-RGB	RGB	252	515	18 W	12 V DC	1	1.1	0.006
E-127-441-W	White	441	3600	35 W	12 V DC	1	1.1	0.006
E-127-441-WW	Warm white	441	3600	35 W	12 V DC	1	1.1	0.006
E-127-441-RGB	RGB	441	1650	35 W	12 V DC	1	1.1	0.006
E-127-630-W	White	630	2049	42 W	12 V DC	1	1.1	0.006
E-127-630-WW	Warm white	630	2332	42 W	12 V DC	1	1.1	0.006
E-127-630-RGB	RGB	630	1331	42 W	12 V DC	1	1.1	0.006
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 W					1	0.20	0.0006

07 | ABS "MINI DICHHRO" UNDERWATER LIGHT

- Underwater lamps, ideal for polyester and liner pools or spas
- Made from white UV resistant ABS
- Also available with stainless steel AISI-316L rim
- Simple mechanism to replace bulb
- Protection rating: IP68



E-112



SSRIM02



E-113



SSRIM01

CODE	DESCRIPTION	WATTS	LUMEN	PACKING	WEIGHT	VOLUME
					kg	m ³
E-112	U/W Halogen Light with niche & cable	50W - 12V AC	600	1	5.5	0.022
E-112-L	UWL Halogen Light with niche & cable for Liner	50W - 12V AC	600	1	5.5	0.022
SSRIM02	Stainless steel AISI 316L V4A Rim			1	0.3	0.01
E-113	U/W Halogen Light threaded type with cable	50W - 12V AC	600	1	3	0.010
E-113-L	U/W Halogen Light threaded type with cable for Liner	50W - 12V AC	600	1	3	0.010
SSRIM01	Stainless steel AISI 316L V4A Rim			1	0.3	0.01

LEONARDO SPOT LAMP AC

- Compatible with 50W swimming pool lights
- Impulse colour change using ON/OFF switch on remote control
- Available in 2 models:
 - Leonardo Colour: 8 colour modes, 5W consumption, 120o beam aperture
 - Leonardo White: White mode, 6W consumption, 120o beam aperture

RC-11
REMOTE CONTROL
& CONTROLLERRC-12
REMOTE CONTROL
& CONTROLLER

CODE	DESCRIPTION	WATTS	LUMEN	PACKING	WEIGHT	VOLUME
					kg	m ³
F0037B09	Leonardo spot lamp MR16 LED - Multi color	5W - 12V AC	250	1	0.3	0.01
F0058A08	Leonardo spot lamp MR16 LED - White	5W - 12V AC	250	1	0.3	0.01
F0059A08	Leonardo spot lamp MR16 LED - Warm white	5W - 12V AC	250	1	0.3	0.01
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)			1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)			1	0.2	0.0009

LEONARDO SPOT LAMP DC

- Compatible with 50W swimming pool lights
- Impulse colour change using ON/OFF switch on remote control
- Available in 2 models:
 - Leonardo Colour: 8 colour modes, 5W consumption, 120o beam aperture
 - Leonardo White: White mode, 6W consumption, 120o beam aperture

AMPLIFIER
RC-04REMOTE CONTROLLER
RC-03

CODE	DESCRIPTION	WATTS	LUMEN	PACKING	WEIGHT	VOLUME
					kg	m ³
F0037B09-DC	Leonardo spot lamp MR16 LED - Multi color	10W - 12V DC	250	1	0.3	0.01
F0058A08-DC	Leonardo spot lamp MR16 LED - White	10W - 12V DC	250	1	0.3	0.01
F0059A08-DC	Leonardo spot lamp MR16 LED - Warm white	10W - 12V DC	250	1	0.3	0.01
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)			1	0.40	0.0014
RC04	Amplifier 140 W			1	0.20	0.0006



08 | MINI RESIN SPOT LIGHT AC

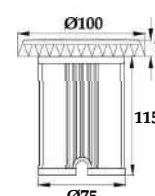
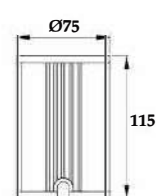
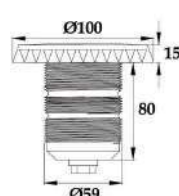
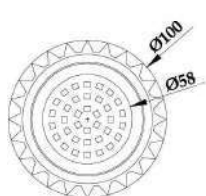
- High quality, super bright underwater LED lamps
- Ideal for swimming pools and water features
- 100% waterproof – lamp filled with epoxy resin
- Acid-proof, alkali-proof and UV resistant
- Low power consumption with long-term stability
- Supports 16 colour changing programs
- Remote control and amplifier available on request
- The color temperature of the white light will be within the range of 6000 to 6500 Kelvin.
- The color temperature of the warm white light will be within the range of 2600 to 3000 Kelvin.



RC-11
REMOTE CONTROL
& CONTROLLER



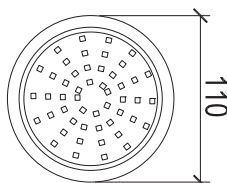
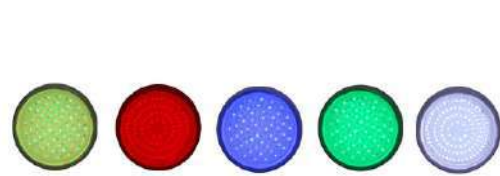
RC-12
REMOTE CONTROL
& CONTROLLER



CODE	COLOR	LED	LUMEN	WATT	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m ³
E-300-W	White	99	700	7W	12 V AC	1	0.805	0.061
E-300-WW	Warm white	99	700	7W	12 V AC	1	0.805	0.061
E-300-RGB	RGB	99	300	6W	12 V AC	1	0.805	0.061
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009

09 | MINI RESIN SPOT LIGHT DC

- High quality, white polycarbonate underwater LED lights
- Remote control and amplifier available on request
- Multiple colour programs available
- Protection rating: IP68



AMPLIFIER

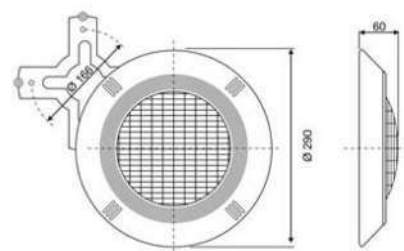


REMOTE CONTROLLER

CODE	COLOR	LED	LUMEN	WATT	VOLTAGE	PACKING	WEIGHT	VOLUME
							kg	m ³
E-305-W	White	153	1130	15 W	12 V DC	1	0.3	0.01
E-305-WW	Warm white	153	1150	15 W	12 V DC	1	0.3	0.01
E-305-RGB	RGB	153	580	15 W	12 V DC	1	0.3	0.01
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 W					1	0.20	0.0006

10 | UNDER WATER FLAT LIGHT

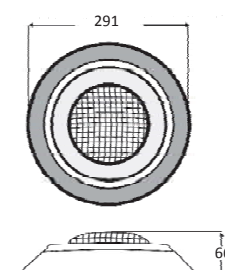
- Manufactured in special ABS plastic – UV resistant
- Wall connection using reinforced cross with anchors and screws
- Fixing to a 1.5" inlet available on request
- Durable, reliable and secure
- Very economical and easy to install
- Includes 2.5m underwater cable
- Stainless steel rim also available



CODE	DESCRIPTION	SPOT	PACKING	WEIGHT	VOLUME
				kg	m ³
E-108	ABS Underwater light "FLAT" Light	100WATT-12V	1	1.2	0.063
SSRM07	Stainless steel AISI 316L V4A rim		1	0.6	0.01

11 | ABS WALL MOUNTED FLAT LIGHT

- Made of high quality ABS plastic
- Wall mounted, underwater light for concrete pools
- Halogen bulb 100W-12V AC
- Includes 2.5m underwater cable (H07RN-F 2x1.5)
- Includes 1m of flexible conduit hose
- Tempered protection glass
- UV protection
- Easy to install and simple to service
- Protection rating: IP68
- Optional extras: Protection glass also available in yellow, orange, red, green and blue, and cable can be supplied at different lengths on request

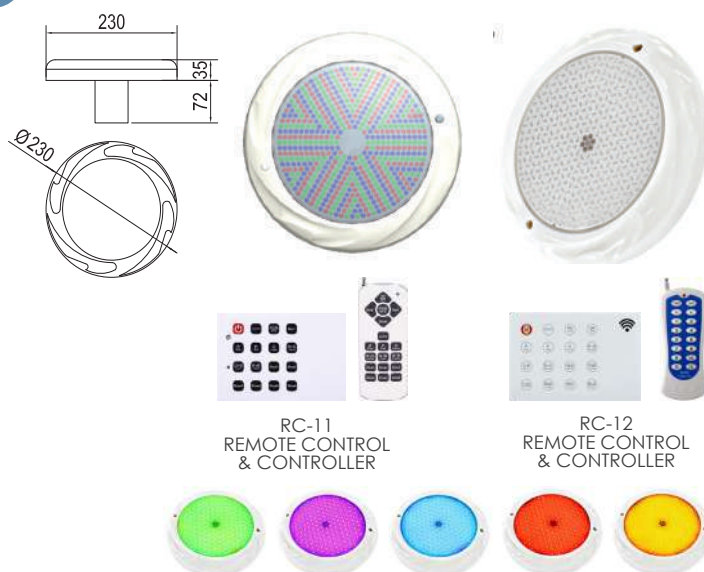


CODE	DESCRIPTION	SPOT	PACKING	WEIGHT	VOLUME
				kg	m ³
WLP-100	ABS Underwater Halogen light	100WATT-12V AC	6	1.06	0.07
SSRIM08	Stainless steel AISI 316L V4A rim				



12 | LARGE ABS LED FLAT LIGHT AC

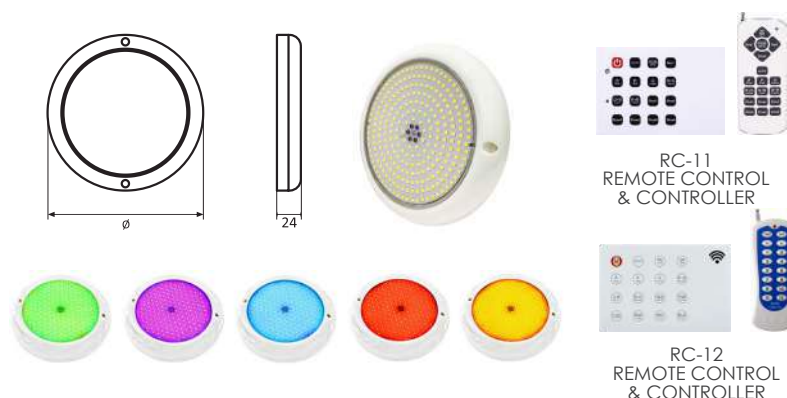
- High quality, super bright underwater LED lamps
- Suitable for concrete or liner swimming pools
- Easy to install (Installation kit not included)
- 100% waterproof – lamp filled with epoxy resin
- Acid-proof, alkali-proof and UV resistant
- Low power consumption with long-term stability
- Controller supports 16 colour changing programs
- Includes 4m cable length (H07RN-F 2x1.0 2mm)
- Can be installed in PAR56 light housing with additional fixtures
- Protection rating: IP68
- The color temperature of the white light will be within the range of 10000 to 11000 Kelvin.
- The color temperature of the warm white light will be within the range of 3000 to 3500 Kelvin.



CODE	LUMEN	COLOR	LED	WATT	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-108-252-RGB	1350	RGB	252	18	230	1	1.34	0.0051
E-108-252-W	2100	White	252	21	230	1	1.34	0.0051
E-108-252-WW	2100	Warm white	252	21	230	1	1.34	0.0051
E-108-531-RGB	1650	RGB	531	33	230	1	1.34	0.0051
E-108-531-W	3600	White	531	36	230	1	1.34	0.0051
E-108-531-WW	3600	Warm white	531	36	230	1	1.34	0.0051
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009

13 | SMALL ABS LED FLAT LIGHT AC

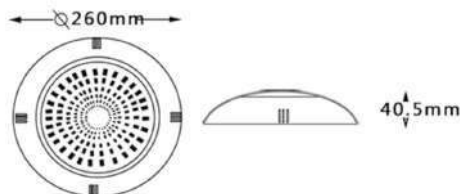
- High quality, super bright underwater LED lamps
- Suitable for concrete or liner swimming pools
- Easy to install (Installation kit not included)
- 100% waterproof – lamp filled with epoxy resin
- Acid-proof, alkali-proof and UV resistant
- Low power consumption with long-term stability
- Controller supports 16 colour changing programs
- Includes 4m cable length (H07RN-F 2x1.0 2mm)
- Protection rating: IP68
- The color temperature of the white light will be within the range of 10000 to 11000 Kelvin.
- The color temperature of the warm white light will be within the range of 3000 to 3500 Kelvin.



CODE	LUMEN	COLOR	LED	WATT	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-107-252-W	2100	White	252	21	152	1	0.87	0.045
E-107-252-WW	2100	Warm white	252	21	152	1	0.87	0.045
E-107-252-RGB	1350	RGB	252	18	152	1	0.87	0.045
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
E-108KIT	Installation kit for liner pool					1	0.2	0.01

14 | BIG ABS LED RESIN FLAT LIGHT DC

- Made of high quality ABS plastic
- 100% waterproof resin-filled underwater lamp
- Size: 260mm x 40.5mm
- Certification: CE and ROHS
- Protection rating: IP68
- Warranty: 2 years



AMPLIFIER
RC-04

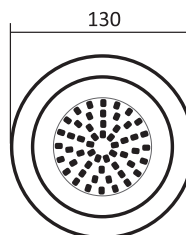


REMOTE CONTROLLER
RC-03

CODE	LUMEN	COLOR	LED	WATT	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-131-252-RGB	900	RGB	252	18	260	1	1.5	0.0052
E-131-252-W	2100	White	252	18	260	1	1.5	0.0052
E-131-252-WW	2100	Warm white	252	18	260	1	1.5	0.0052
E-131-441-RGB	1650	RGB	441	35	260	1	1.5	0.0052
E-131-441-W	3600	White	441	35	260	1	1.5	0.0052
E-131-441-WW	3600	Warm white	441	35	260	1	1.5	0.0052
E-131-630-RGB	2750	RGB	630	42	260	1	1.5	0.0052
E-131-630-W	6000	White	630	42	260	1	1.5	0.0052
E-131-630-WW	6000	Warm white	630	42	260	1	1.5	0.0052
E-131KIT	Installation kit for E-131 LED four liner pool					1	0.20	0.01
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 Watt					1	0.20	0.0006

15 | SMALL ABS LED FLAT LIGHT DC

- Made of high quality ABS plastic
- 100% waterproof resin-filled underwater lamp
- Size: 130mm x 15mm
- Certification: CE and RoHS compliant
- Protection rating: IP68
- Warranty: 2 years



AMPLIFIER
RC-04



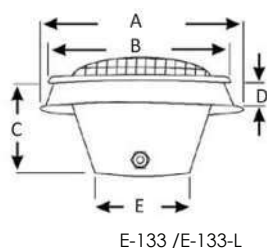
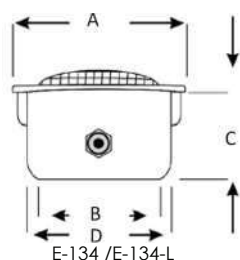
REMOTE CONTROLLER
RC-03

CODE	LUMEN	COLOR	LED	WATT	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-132-108-RGB	-	RGB	108	10	130	1	0.9	0.045
E-132-108-W	-	White	108	10	130	1	0.9	0.045
E-132-108-WW	-	Warm white	108	10	130	1	0.9	0.045
E-132KIT	Installation kit for E-132 LED for liner pool					1	0.20	0.01
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 W					1	0.20	0.0006



16 | STAINLESS STEEL LARGE U/W LIGHT WITH NICHE

- Made completely of AISI-316 stainless steel
- Available with round or conical shaped niche
- Includes 300W, 12V DC bulb and 2.5m (HO7RN-F 2x4) cable
- Chemical/corrosion resistant
- Simple bulb replacement without lowering the water level
- Protection rating: IP68



E-134 / E-134-L



E-133 / E-133-L

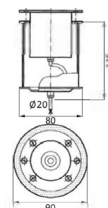
STRUCTURE	CODE	NICHE TYPE	DIMENSIONS					PACKING	WEIGHT kg	VOLUME m ³
			A	B	C	D	E			
Concrete	E-133	Conical s.steel	325	300	140	45	152	1	3.30	0.02
	E-134	Round s.steel	300	200	120	222	-	1	3.25	0.02
Liner	E-133-L	Conical s.steel	325	300	140	45	152	1	3.30	0.02
	E-134-L	Round s.steel	300	200	120	222	-	1	3.25	0.02

17 | STAINLESS STEEL ROUND HALOGEN LIGHTS

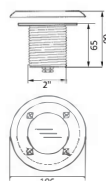
- Made of AISI-316L V4A stainless steel for increased durability
- Includes 3m of cable
- Protection rating: IP68



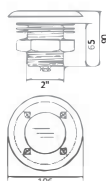
29251



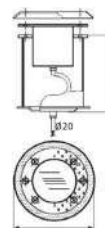
29252/29253



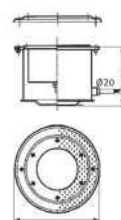
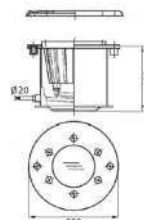
29512



29515



29518/29521

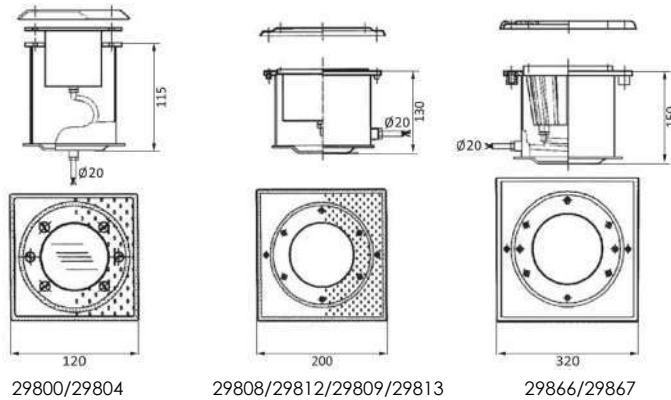
29505/29506
29507/29508

29200/29201

CODE	DESCRIPTION	WATT	LUMEN	PACKING	WEIGHT	VOLUME
		12V - AC			kg	m ³
29251	S.S. Mini light "Mignon" threaded and ferrule 1 1/4"	20	400	1	2	0.001
29252	S.S. Mini light "Mignon" with recess for concrete	20	400	1	4	0.045
29253	S.S. Mini light "Mignon" with recess for liner	20	400	1	4.5	0.045
29515	S.S. Mini light threaded and ferrule 2"	50	1000	1	3	0.045
29518	S.S. Mini Halogen light with recess for concrete	50	1000	1	4	0.045
29521	S.S. Mini Halogen light with recess for liner	50	1000	1	4.5	0.045
29505	S.S. Medium Halogen light with recess for concrete	100	2000	1	5	0.055
29507	S.S. Medium Halogen light with recess for liner	100	2000	1	5.5	0.055
29506	S.S. Medium Halogen light with recess for concrete	150	3000	1	5	0.055
29508	S.S. Medium Halogen light with recess for liner	150	3000	1	5.5	0.055
29200	S.S. Standard Halogen light with recess for concrete	300	6000	1	8	0.021
29201	S.S. Standard Halogen light with recess for liner	300	6000	1	9	0.021

18 | STAINLESS STEEL SQUARE HALOGEN LIGHTS

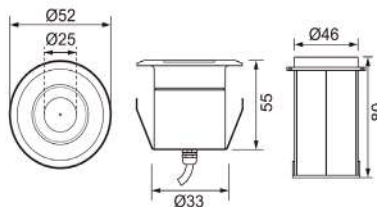
- Made of AISI-316L V4A stainless steel for increased durability
- Includes recess for concrete or liner pools and 3m of cable
- Protection rating: IP68



CODE	DESCRIPTION	WATT	LUMEN	PACKING	WEIGHT	VOLUME
		12V - AC			kg	m³
29800	S.S. Mini Halogen light with recess for concrete	50	1000	1	4	0.045
29804	S.S. Mini Halogen light with recess for liner	50	1000	1	4.5	0.045
29808	S.S. Medium Halogen light with recess for concrete	100	2000	1	5	0.055
29812	S.S. Medium Halogen light with recess for liner	100	2000	1	5.5	0.055
29809	S.S. Medium Halogen light with recess for concrete	150	3000	1	5	0.055
29813	S.S. Medium Halogen light with recess for liner	150	3000	1	5.5	0.055
29866	S.S. Standard Halogen light with recess for concrete	300	6000	1	8	0.021
29867	S.S. Standard Halogen light with recess for liner	300	6000	1	9	0.021

19 | RECESSED SPOT LED POOL LIGHT AC/DC

- Material: stainless steel 316
- Available in white, warm white or RGB colours
- Protection rating: IP68
- Frequency (Hz) : 50 ~60 Hz
- Cable size : VDE 2.5 m
- Working temperature (°C) : -20° ~ + 45°
- The color temperature of the white light will be within the range of 6000 to 6500 Kelvin.
- The color temperature of the warm white light will be within the range of 2600 to 3000 Kelvin.



POWER SUPPLY & DIMMING CONTROLLER
RC-13

CODE	LUMEN	WATT	VOLTAGE	COLOR	BEAM ANGLE	PACKING	WEIGHT kg	VOLUME m³
28870-W	189	3	12VAC	W	45°	1	0.4	0.00064
28870-WW	204	3	12VAC	WW	45°	1	0.4	0.00064
28870-W-DC	189	3	12VDC	W	45°	1	0.4	0.00064
28870-WW-DC	204	3	12VDC	WW	45°	1	0.4	0.00064
RC-13	Power supply and Dimming controller DC lights white / warm white (220V AC INPUT - OUTPUT 12V DC 100 W)					1	0.4	0.001



20 | RECESSED LED POOL LIGHT AC/DC

- Material: stainless steel AISI-316
- Available in white, warm white or RGB colours
- Protection rating: IP68
- The color temperature of the white light will be within the range of 6000 to 6500 Kelvin.
- The color temperature of the warm white light will be within the range of 2600 to 3000 Kelvin.



AQ-027S-W-WW-RGB



AQ-028S-W-WW-RGB



AQ-029S-W-WW-RGB



RED



GREEN



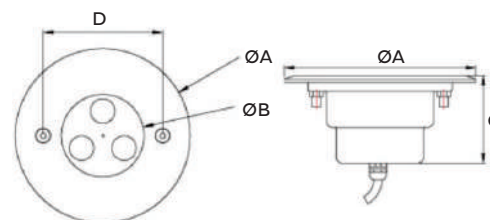
BLUE



WHITE



WARM WHITE

RC-11
REMOTE CONTROL
& CONTROLLERRC-12
REMOTE CONTROL
& CONTROLLERREMOTE CONTROLLER
RC-03AMPLIFIER
RC-04

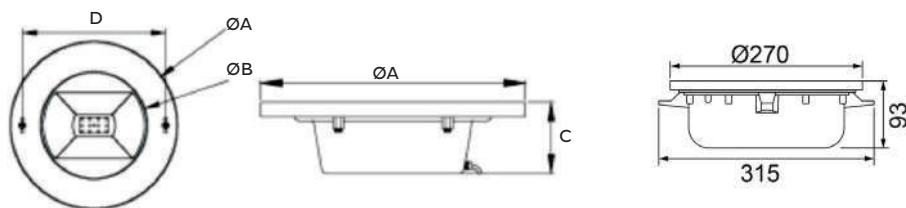
CODE	LUMEN	WATT	VOLTAGE	COLOR	BEAM ANGLE	DIMENSIONS MM				PACKING	WEIGHT	VOLUME
						A	B	C	D		kg	m³
AQ-027S-W	456	5	12VAC	W	120°	110	52	58	73	1	0.85	0.001
AQ-027S-WW	377	5	12VAC	WW	120°	110	52	58	73	1	0.85	0.001
AQ-027S-RGB	298	5	12VAC	RGB	120°	110	52	58	73	1	0.85	0.001
AQ-028S-W	1004	10	12VAC	W	120°	160	96	62	120	1	1.5	0.003
AQ-028S-WW	720	10	12VAC	WW	120°	160	96	62	120	1	1.5	0.003
AQ-028S-RGB	338	10	12VAC	RGB	120°	160	96	62	120	1	1.5	0.003
AQ-029S-W	1405	15	12VAC	W	120°	190	122	66	148	1	2	0.004
AQ-029S-WW	1108	15	12VAC	WW	120°	190	122	66	148	1	2	0.004
AQ-029S-RGB	381	15	12VAC	RGB	120°	190	122	66	148	1	2	0.004
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)									1	0.20	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V 600 W)									1	0.20	0.0009
AQ-027S-W-DC	456	5	12VDC	W	120°	110	52	58	73	1	0.85	0.001
AQ-027S-WW-DC	377	5	12VDC	WW	120°	110	52	58	73	1	0.85	0.001
AQ-027S-RGB-DC	298	5	12VDC	RGB	120°	110	52	58	73	1	0.85	0.001
AQ-028S-W-DC	1004	10	12VDC	W	120°	160	96	62	120	1	1.5	0.003
AQ-028S-WW-DC	720	10	12VDC	WW	120°	160	96	62	120	1	1.5	0.003
AQ-028S-RGB-DC	338	10	12VDC	RGB	120°	160	96	62	120	1	1.5	0.003
AQ-029S-W-DC	1405	15	12VDC	W	120°	190	122	66	148	1	2	0.004
AQ-029S-WW-DC	1108	15	12VDC	WW	120°	190	122	66	148	1	2	0.004
AQ-029S-RGB-DC	381	15	12VDC	RGB	120°	190	122	66	148	1	2	0.004
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)									1	0.40	0.0014
RC-04	Amplifier 140 W									1	0.20	0.0006

21 | RECESSED LED POOL LIGHT WITH ALUMINIUM ANODIZED REFLECTOR AC/DC

- Material: 316 / 304 stainless steel with aluminium anodized reflector
- Wire VDE Certification
- Working temperature: AQ-006K (1-20oC – 48oC), AQ-007K (1-20oC – 42oC)
- Protection rating: IP68
- The color temperature of the white light will be within the range of 6000 to 7500 Kelvin.
- The color temperature of the warm white light will be within the range of 3000 to 3500 Kelvin.



AQ-006K/AQ-007K



RED



GREEN



BLUE



WHITE



WARM WHITE

RC-11
REMOTE CONTROL
& CONTROLLERRC-12
REMOTE CONTROL
& CONTROLLERREMOTE CONTROLLER
RC-03AMPLIFIER
RC-04

CODE	LUMEN	WATT	VOLTAGE	COLOR	BEAM ANGLE	DIMENSIONS MM				PACKING	WEIGHT kg	VOLUME m³
						A	B	C	D			
AQ-006K-W	2258	35	12VAC	W	90°	195	105	56	157	1	1.7	0.005
AQ-006K-WW	1702	35	12VAC	WW	90°	195	105	56	157	1	1.7	0.005
AQ-006K-RGB	441	18	12VAC	RGB	90°	195	105	56	157	1	1.7	0.005
AQ-007K-W	3209	50	12VAC	W	90°	270	168	64	232	1	3.4	0.010
AQ-007K-WW	2413	50	12VAC	WW	90°	270	168	64	232	1	3.4	0.010
AQ-007K-RGB	671	35	12VAC	RGB	90°	270	168	64	232	1	3.4	0.010
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)									1	0.20	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V 600 W)									1	0.20	0.0009
AQ-006K-W-DC	2258	35	12VDC	W	90°	195	105	56	157	1	1.7	0.005
AQ-006K-WW-DC	1702	35	12VDC	WW	90°	195	105	56	157	1	1.7	0.005
AQ-006K-RGB-DC	441	18	12VDC	RGB	90°	195	105	56	157	1	1.7	0.005
AQ-007K-W-DC	3209	50	12VDC	W	90°	270	168	64	232	1	3.4	0.010
AQ-007K-WW-DC	2413	50	12VDC	WW	90°	270	168	64	232	1	3.4	0.010
AQ-007K-RGB-DC	671	35	12VDC	RGB	90°	270	168	64	232	1	3.4	0.010
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)									1	0.40	0.0014
RC-04	Amplifier 140 W									1	0.20	0.0006



22 | ULTRA THIN RESIN FILLED WALL MOUNT LED

- Material: 316 / 304 Stainless steel
- Wire VDE Certification
- Working Temperature - 20 C ~ 40 C
- The color temperature of the white light will be within the range of 6000 to 7500 Kelvin.
- The color temperature of the warm white light will be within the range of 2600 to 3000 Kelvin.



RED



GREEN



BLUE



WHITE



WARM WHITE



RC-11
REMOTE CONTROL
& CONTROLLER



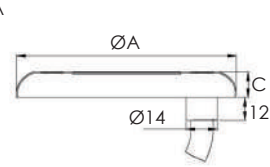
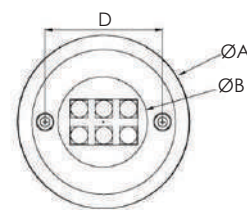
RC-12
REMOTE CONTROL
& CONTROLLER



REMOTE CONTROLLER
RC-03



AMPLIFIER
RC-04



CODE	LUMEN	WATT	VOLTAGE	COLOR	BEAM ANGLE	DIMENSIONS MM				PACKING	WEIGHT kg	VOLUME m ³
						A	B	C	D			
AQ-051-W	1607	25	12VAC	W	120°	150	74	18	104	1	1.2	0.0010
AQ-051-WW	1475	25	12VAC	WW	120°	150	74	18	104	1	1.2	0.0019
AQ-051-RGB	813	25	12VAC	RGB	120°	150	74	18	104	1	1.2	0.0019
AQ-052-W	2204	35	12VAC	W	120°	180	94	18	126	1	2	0.0019
AQ-052-WW	2041	35	12VAC	WW	120°	180	94	18	126	1	2	0.0019
AQ-052-RGB	1080	35	12VAC	RGB	120°	180	94	18	126	1	2	0.0019
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)									1	0.20	0.0019
RC-12	Wifi controller and remote control (Input/output 220V-240V 600 W)									1	0.20	0.0019
AQ-050-W-DC	1441	18	12VDC	W	120°	100	48	12	67	1	0.8	0.0010
AQ-050-WW-DC	1075	18	12VDC	WW	120°	100	48	12	67	1	0.8	0.0010
AQ-050-RGB-DC	704	18	12VDC	RGB	120°	100	48	12	67	1	0.8	0.0010
AQ-051-W-DC	1607	25	12VDC	W	120°	150	74	18	104	1	1.2	0.0019
AQ-051-WW-DC	1475	25	12VDC	WW	120°	150	74	18	104	1	1.2	0.0019
AQ-051-RGB-DC	813	25	12VDC	RGB	120°	150	74	18	104	1	1.2	0.0019
AQ-052-W-DC	2204	35	12VDC	W	120°	180	94	18	126	1	2	0.0019
AQ-052-WW-DC	2041	35	12VDC	WW	120°	180	94	18	126	1	2	0.0019
AQ-052-RGB-DC	1080	35	12VDC	RGB	120°	180	94	18	126	1	2	0.0019
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)									1	0.40	0.0014
RC-04	Amplifier 140 W									1	0.20	0.0006

23 | LARGE STAINLESS STEEL LED FLAT LIGHT AC

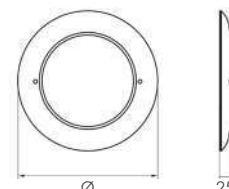
- High quality, super bright underwater LED lamps
- Suitable for concrete or liner swimming pools
- Made of stainless steel AISI-316
- Easy to install (Installation kit not included)
- 100% waterproof – lamp filled with epoxy resin
- Acid-proof, alkali-proof and UV resistant
- Low power consumption with long-term stability
- Includes 4m cable length (H07RN-F 2x1.0 2mm)
- Can be installed in PAR56 light housing with additional fixtures
- Protection rating: IP68
- The color temperature of the white light will be within the range of 10000 to 11000 Kelvin.
- The color temperature of the warm white light will be within the range of 3000 to 3500 Kelvin.



RC-11
REMOTE CONTROL
& CONTROLLER



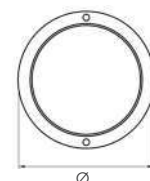
RC-12
REMOTE CONTROL
& CONTROLLER



CODE	LUMEN	COLOR	LED	WATT 12 VAC	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-108SS-252-RGB	1350	RGB	252	18	260	1	2	0.068
E-108SS-252-W	2100	White	252	21	260	1	2	0.068
E-108SS-252-WW	2100	Warm white	252	21	260	1	2	0.068
E-108SS-531-RGB	1650	RGB	531	33	260	1	2	0.068
E-108SS-531-W	3600	White	531	36	260	1	2	0.068
E-108SS-531-WW	3600	Warm white	531	36	260	1	2	0.068
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009

24 | SMALL STAINLESS STEEL LED FLAT LIGHT AC

- High quality, super bright underwater LED lamps
- Suitable for concrete or liner swimming pools
- Made of stainless steel AISI-316
- Easy to install (Installation kit not included)
- 100% waterproof – lamp filled with epoxy resin
- Acid-proof, alkali-proof and UV resistant
- Low power consumption with long-term stability
- Includes 4m cable length (H07RN-F 2x1.0 2mm)
- Protection rating: IP68
- The color temperature of the white light will be within the range of 10000 to 11000 Kelvin.



24



RC-11
REMOTE CONTROL
& CONTROLLER



RC-12
REMOTE CONTROL
& CONTROLLER

CODE	LUMEN	COLOR	LED	WATT 12 VAC	Ø	PACKING	WEIGHT	VOLUME
					mm		kg	m³
E-107SS-252-W	2100	White	252	21	152	1	0.96	0.045
E-107SS-252-WW	2100	Warm white	252	21	152	1	0.96	0.045
E-107SS-252-RGB	1350	RGB	252	18	152	1	0.96	0.045
RC-11	Controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
RC-12	Wifi controller and remote control (Input/output 220V-240V AC 600 W)					1	0.2	0.0009
E-107KIT	Kit for liner Pool					1	0.2	0.01



25 | STAINLESS STEEL ULTRA FLAT LED RESIN LIGHT DC

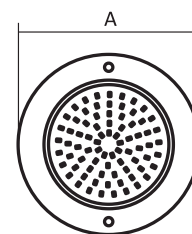
- Energy efficient, eco-friendly LED lighting
- Made of stainless steel AISI-316 and polycarbonate
- Long life and safe operation with very little heat
- Ultra thin 8mm thickness
- Available in white, warm white or RGB colours
- Protection rating: IP68



AMPLIFIER
RC-04



REMOTE CONTROLLER
RC-03



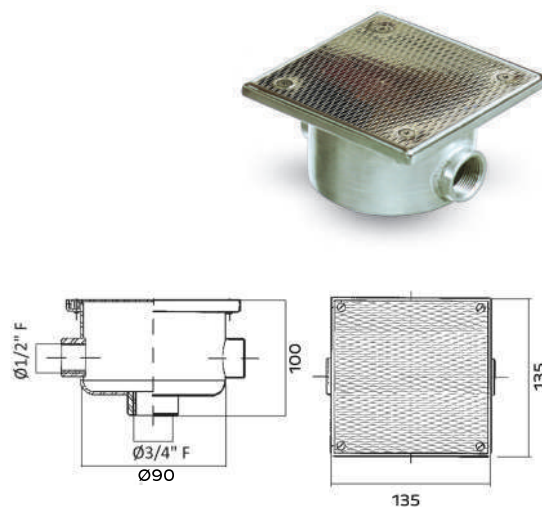
CODE	DESCRIPTION	DIAMETER mm	LED	LUMEN	SPOT	PACKING	WEIGHT	VOLUME
		A					kg	m³
E-301-63W	Resin UW light white color	110	63	364	6W-12V DC	1	0.38	0.01372
E-301-63WW	Resin UW light warm white color	110	63	380	6W-12V DC	1	0.38	0.01372
E-301-63RGB	Resin UW light RGB color	110	63	171	6W-12V DC	1	0.38	0.01372
E-301-108W	Resin UW light white color	160	108	561	10W-12V DC	1	0.72	0.02527
E-301-108WW	Resin UW light warm white color	160	108	581	10W-12V DC	1	0.72	0.02527
E-301-108RGB	Resin UW light RGB color	160	108	290	10W-12V DC	1	0.72	0.02527
E-301-252W	Resin UW light white color	230	252	1235	18W-12V DC	1	1.15	0.04732
E-301-252WW	Resin UW light warm white color	230	252	1250	18W-12V DC	1	1.15	0.04732
E-301-252RGB	Resin UW light RGB color	230	252	613	18W-12V DC	1	1.15	0.04732
E-301-333W	Resin UW light white color	230	333	1587	24W-12V DC	1	1.2	0.04732
E-301-333WW	Resin UW light warm white color	230	333	1600	24W-12V DC	1	1.2	0.04732
E-301-333RGB	Resin UW light RGB color	230	333	880	24W-12V DC	1	1.2	0.04732
E-301-441W	Resin UW light white color	230	441	2018	35W-12V DC	1	1.2	0.04732
E-301-441WW	Resin UW light warm white color	230	441	2043	35W-12V DC	1	1.2	0.04732
E-301-441RGB	Resin UW light RGB color	230	441	1013	35W-12V DC	1	1.2	0.04732
E-302-252W	Resin UW light white color	280	252	1235	18W-12V DC	1	1.6	0.06727
E-302-252WW	Resin UW light warm white color	280	252	1250	18W-12V DC	1	1.6	0.06727
E-302-252RGB	Resin UW light RGB color	280	252	613	18W-12V DC	1	1.6	0.06727
E-302-333W	Resin UW light white color	280	333	1587	24W-12V DC	1	1.6	0.06727
E-302-333WW	Resin UW light warm white color	280	333	1600	24W-12V DC	1	1.6	0.06727
E-302-333RGB	Resin UW light RGB color	280	333	880	24W-12V DC	1	1.6	0.06727
E-302-441W	Resin UW light white color	280	441	2018	35W-12V DC	1	1.6	0.06727
E-302-441WW	Resin UW light warm white color	280	441	2043	35W-12V DC	1	1.6	0.06727
E-302-441RGB	Resin UW light RGB color	280	441	1013	35W-12V DC	1	1.6	0.06727
RC-03	Controller and remote, 5-24V DC (Input, output: 12V-288 W, 24V-576 W, 8A per channel)					1	0.40	0.0014
RC-04	Amplifier 140 W					1	0.20	0.0006

26 | CONNECTION BOX

STAINLESS STEEL CONNECTION BOX

- For connections between lights
- Made of AISI-316 L stainless steel
- Fully waterproof with O-ring for cover and gland seals for outlets
- Protection rating: IP65

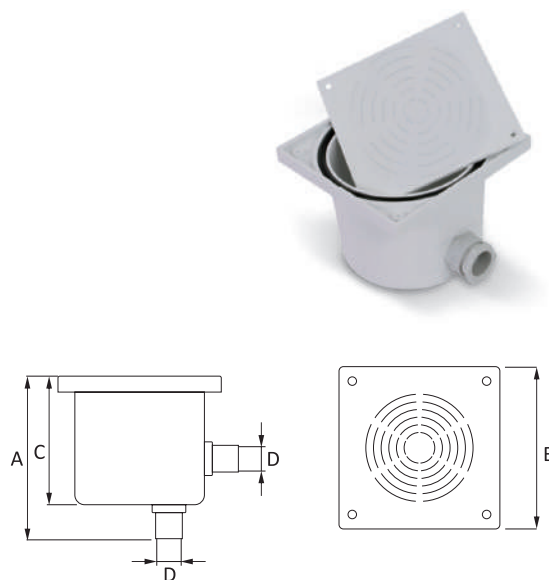
CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
E-244	1	1.10	0.002



AQUA ABS CONNECTION BOX

- For connections between lights
- Made of white ABS plastic
- UV-A resistant
- Fully waterproof with O-ring for cover and gland seals for outlets
- Protection rating: IP65

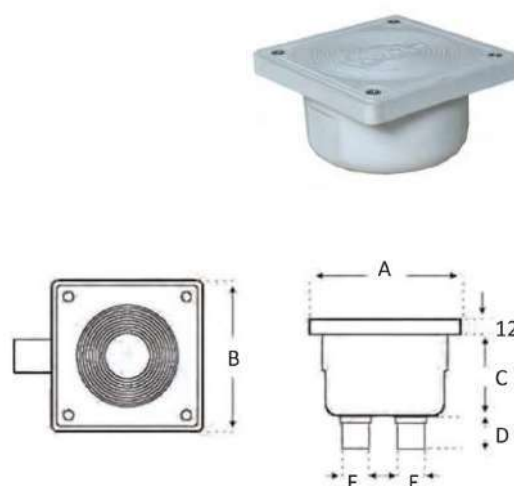
CODE	DIMENSIONS				PACKING	WEIGHT	VOLUME
	A	B	C	D		kg	m ³
200300009	13.5	13.5	10.5	M25	40	15	0.1



ABS CONNECTION BOX

- For connections between lights
- Made of white ABS plastic
- UV-A resistant
- Fully waterproof with O-ring incorporated into the lid
- Includes two cable connectors
- Protection rating: IP65

CODE	DIMENSIONS					PACKING	WEIGHT	VOLUME
	A	B	C	D	E		kg	m ³
E-242	120	120	48	32	25.4	1	.20	0.001





27 | FLEXIBLE CONNECTION CONDUIT CABLE

- Length: 2m
- Ø 20mm conduit cable with threaded end sockets 3/4" M25



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
200300010	Connection conduit cable 2m 20mm with 2 threaded end socket 3/4" M25	1	0.25	0.005

28 | INSULATING GEL IP68

- High quality, simple to use, IP68 insulating gel
- Instructions:
 - Mix equal parts of 'component A' with 'component B' for 15 seconds
 - Carefully apply the gel to the desired area of the cable
 - Allow 1 minute at room temperature to finalise positioning
 - The gel will become completely hard after 5 minutes



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
200300000R	Insulating gel IP68	1	0.002	0.0003

29 | DC TRANSFORMER

- Waterproof (IP66) transformer with cabling for fast wiring
- High quality, long life, guaranteed for heavy duty conditions
- Input: 100-265V (AC)
- Output: 12V (DC) 50/60Hz
- Manufactured under European Standards, RoHS and CE Certified



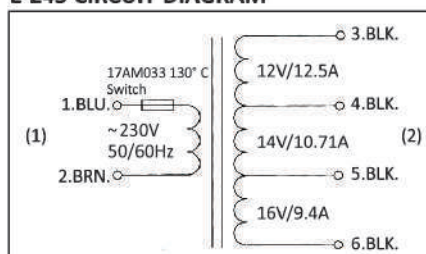
CODE	POWER	DIMENSIONS MM			MAX. OUTPUT CURRENT (DC)	PF	PACKING	WEIGHT	VOLUME
	W	A	B	C				kg	m ³
E-250	100	230	70	46	4.15A	> 0.98	1	1.05	0.016
E-251	150	256	78	47	6.25A	> 0.98	1	1.5	0.018
E-252	300	276	78	47	12.5A	> 0.98	1	1.8	0.022
E-253	360	276	78	47	15A	> 0.98	1	1.8	0.022

30 | CASCADE TRANSFORMER

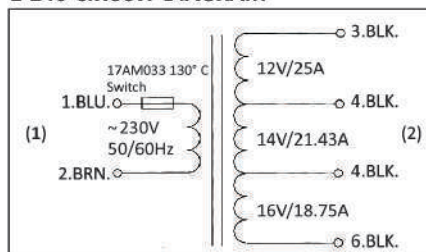
- IP64 transformer with cabling for fast wiring
- Recommended for humid areas and where water is close
- High quality, long life, guaranteed for heavy duty conditions
- Input: 230V-240V
- Output: 12, 14 and 16V 50/60 Hz
- Manufactured under European Standards and CE Certified



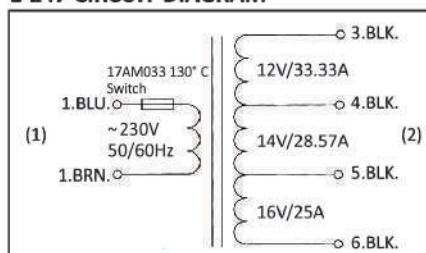
E-245 CIRCUIT DIAGRAM



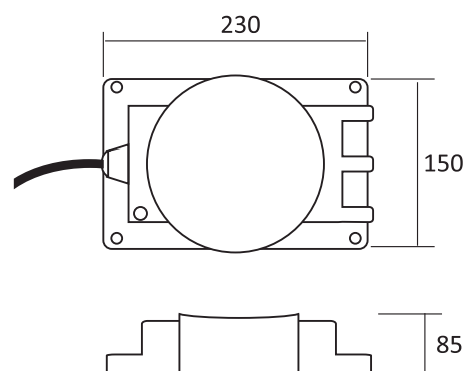
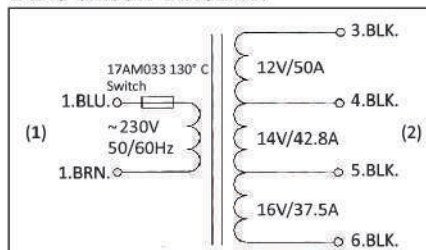
E-246 CIRCUIT DIAGRAM



E-247 CIRCUIT DIAGRAM



E-248 CIRCUIT DIAGRAM



CODE		UNLOAD VOLTAGE (V ± 5%) AC	LOADING VOLTAGE (V ± 5%) AC	RATED CURRENT (A)
E-245	S1:3~4	0~13.1V	0~12V	12.5A
	S1:3~5	0~15.2V	0~14V	10.71A
	S1:3~6	0~17.65V	0~16V	9.4A
E-246	S1:3~4	0~12.68V	0~12V	25A
	S1:3~5	0~14.87V	0~14V	21.43A
	S1:3~6	0~17.05V	0~16V	18.75A
E-247	S1:3~4	0~12.32V	0~12V	33.33A
	S1:3~5	0~14.67V	0~14V	28.57A
	S1:3~6	0~17.01V	0~16V	25A
E-248	S1:3~4	0~12.6V	0~12V	50A
	S1:3~5	0~14.7V	0~14V	42.8A
	S1:3~6	0~16.8V	0~16V	37.5A

CODE	POWER W	CURRENT	PACKING	WEIGHT	VOLUME
	50 Hz	mA		kg	m³
E-245	120	50	1	4	0.003
E-246	240	60	1	5	0.003
E-247	320	80	1	6	0.003
E-248	480	85	1	7	0.003



05

POOL-SIDE
EQUIPMENT

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01 | LADDERS

STANDARD LADDER

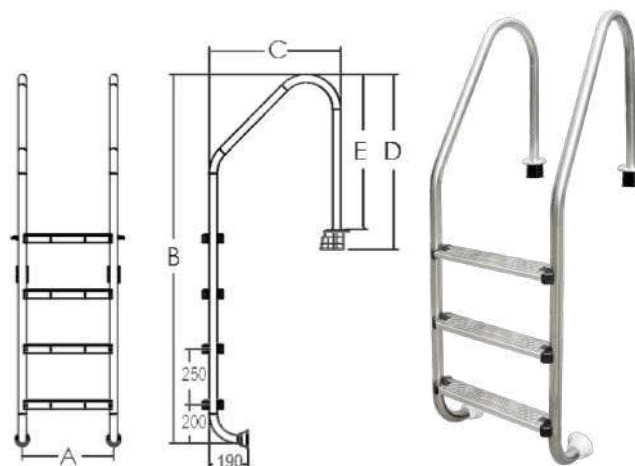
- Stainless steel AISI-316 or AISI-304 handrail (Ø 42mm) with a polished finish
- Stainless steel steps with anti-slip pads
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floors and walls



Anchor Type



Stainless Steel Step
(anti-slip pad's)



CODE		TREADS	DIMENSIONS mm					PACKING	WEIGHT	VOLUME
			A	B	C	D	E		kg	m³
L-105	L-105-316	2	493	1320	686	788	708	1	10	0.08
L-106	L-106-316	3	493	1570	686	788	708	1	11.5	0.09
L-107	L-107-316	4	493	1820	686	788	708	1	13	0.11
L-108	L-108-316	5	493	2070	686	788	708	1	14.3	0.12

OVERFLOW LADDER

- Stainless steel AISI-316 or AISI-304 handrail (Ø 42mm) with a polished finish
- Stainless steel steps with anti-slip pads
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floors and walls



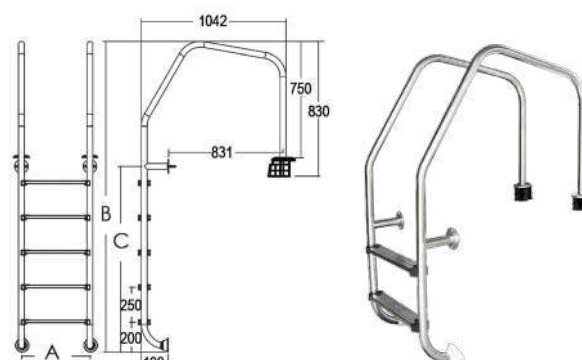
Ancillary Shoring for
NSL815ry pad)



Anchor Type



Stainless Steel Step
(anti-slip pad's)



CODE		TREADS	DIMENSIONS mm			PACKING	WEIGHT	VOLUME
			A	B	C		kg	m³
L-405	L-405-316	2	493	1460	561	1	15	0.218
L-406	L-406-316	3	493	1710	811	1	16	0.225
L-407	L-407-316	4	493	1960	1061	1	17.2	0.250
L-408	L-408-316	5	493	2210	1311	1	20	0.282

MURO LADDER

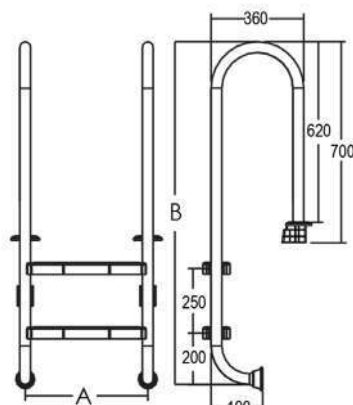
- Stainless steel AISI-316 or AISI-304 handrail (Ø 42mm) with a polished finish
- Stainless steel steps with anti-slip pads
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floors and walls



Anchor Type



Stainless Steel Step
(anti-slip pad's)



CODE		TREADS	DIMENSIONS mm		PACKING	WEIGHT	VOLUME
			A	B		kg	m³
L-205	L-205-316	2	493	1330	1	8	0.045
L-206	L-206-316	3	493	1580	1	9.7	0.055
L-207	L-207-316	4	493	1830	1	11.2	0.061
L-208	L-208-316	5	493	2080	1	13.7	0.101

INCLINED LADDER

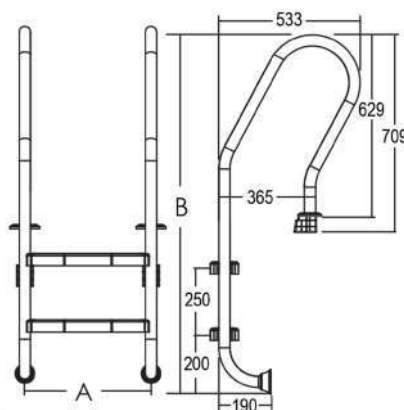
- Stainless steel AISI-316 or AISI-304 handrail (Ø 42mm) with a polished finish
- Stainless steel steps with anti-slip pads
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floors and walls



Anchor Type



Stainless Steel Step
(anti-slip pad's)

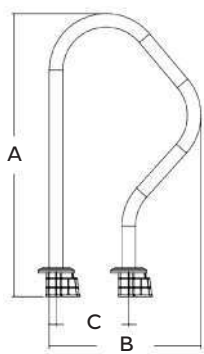


CODE		TREADS	DIMENSIONS mm		PACKING	WEIGHT	VOLUME
			A	B		kg	m³
L-305	L-305-316	2	493	1330	1	8.8	0.064
L-306	L-306-316	3	493	1580	1	10.8	0.078
L-307	L-307-316	4	493	1830	1	12.2	0.087
L-308	L-308-316	5	493	2080	1	13.7	0.101

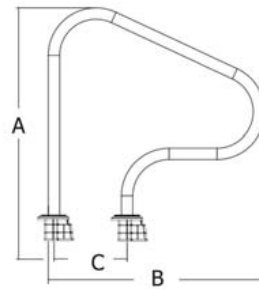


LADDER UPPER PART

- Stainless steel handrail (Ø 42mm) with a polished finish
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floor



L-505



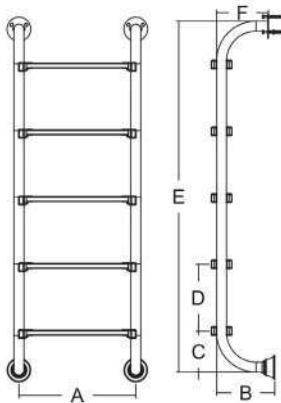
L-506



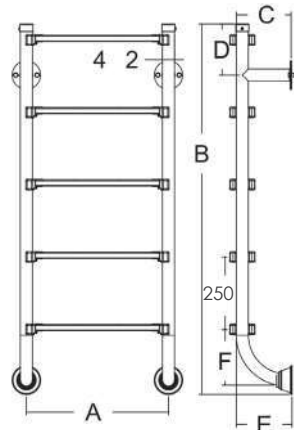
CODE		DIMENSIONS mm			PACKING	WEIGHT	VOLUME
		A	B	C		kg	m ³
L-505	L-505-316	800	470	225	1	7.1	0.063
L-506	L-506-316	800	800	270	1	8.8	0.010

LADDER LOWER PART

- Stainless steel handrail (Ø 42mm) with a polished finish
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floor and wall



L-509/510/511/512



L-513/514/515/516



CODE		TREADS	DIMENSIONS mm						PACKING	WEIGHT	VOLUME
			A	B	C	D	E	F		kg	m ³
L-509	L-509-316	2	493	222	181	280	642	222	1	5.8	0.071
L-510	L-510-316	3	493	222	181	280	922	222	1	6.3	0.022
L-511	L-511-316	4	493	222	183.5	280	1207	222	1	7.8	0.029
L-512	L-512-316	5	493	222	183.5	280	1487	222	1	9.2	0.036
L-513	L-513-316	2	493	530	190	177	190	200	1	12.6	0.018
L-514	L-514-316	3	493	780	190	177	190	200	1	28.5	0.023
L-515	L-515-316	4	493	1030	190	177	190	200	1	35	0.030
L-516	L-516-316	5	493	1280	190	177	190	200	1	24.6	0.038

02 | HAND RAILS

STRAIGHT GRABRAIL

- Stainless steel AISI-316 handrail with a polished finish
- Corrosion resistant



CODE	LENGTH	PACKING	WEIGHT	VOLUME
	m		kg	m ³
500500330	0.5	1	1.5	0.010
500500331	1	1	2.3	0.018
500500332	1.5	1	3.2	0.027
500500333	2	1	4	0.035
500500334	2.5	1	4.6	0.044
500500335	3	1	5.5	0.052

HANDRAIL WITH SUPPORTS

- Stainless steel AISI-316 handrail and supports (Ø 42mm) with a polished finish
- Corrosion resistant



500500340



500500341



500500343



500500344



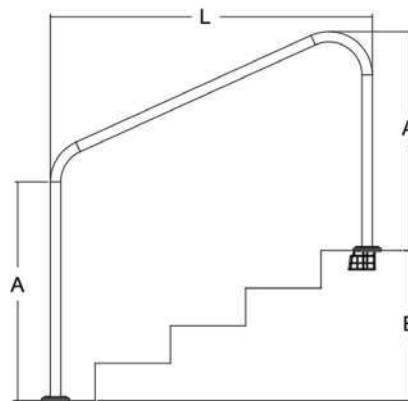
500500346

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
500500340	Handrail Backrest Support with base plate	24	6	0.018
500500341	straight Handrail length in 1meter AISI316	5	10	0.011
500500343	Straight Fix Spigot Joining pipe Ø42 mm in AISI316	30	9	0.015
500500344	Curved Fix Spigot Joining pipe Ø42 mm in AISI316	10	3	0.011
500500346	End cap of Ø42 mm pipe in AISI316	24	3	0.018



EXIT HANDRAIL 1

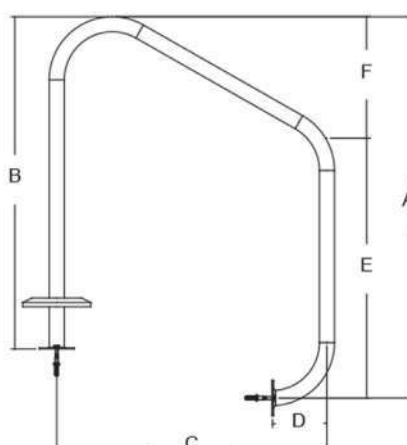
- Stainless steel exit handrail (Ø 42mm) with a polished finish
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floor



CODE	DIMENSIONS mm			PACKING	WEIGHT	VOLUME
	A	B	L		kg	m ³
500500305	800	608	1120	1	12.2	0.178
500500306	800	855	1524	1	14	0.244

EXIT HANDRAIL 2

- Stainless steel exit handrail (Ø 42mm) with a polished finish
- Corrosion resistant
- Includes anchor and flange type fixings for easy installation to floors and walls



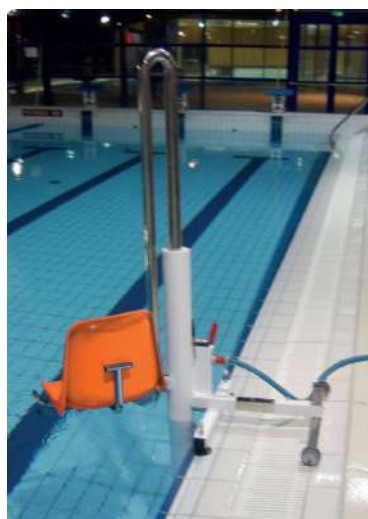
CODE	DIMENSIONS						PACKING	WEIGHT	VOLUME
	A	B	C	D	E	F		kg	m ³
500500318	1064	927	755	152	725	339	1	9.5	0.095

03 | POOL LIFT SYSTEM



UNIJET ELEVATOR

- Manufactured in stainless steel AISI-316 L
- Minimum pressure: 3 Bars
- Easy to operate by user and staff. Simple control valve raises and lowers the lift
- Requires no electricity or battery - Uses mains water pressure to operate the hydraulic cylinder
- Easy to install – Requires one hole to prevent tipping
- Safety feature includes a locking pin to secure seat in high position



Safety locking pin for secure fixing



05

TECHNICAL DATA	FEATURES
Code	Unijet
Hoisting load max	Up to 120 kg
Weight / Packing / Volume	55 kg / 1 / 0.916 m ³
Power supply	Hydraulic
Structure	316L painted stainless steel
Seat	Rigid shell
Warranty	2 years
Fixation	Coring (Chemical anchor provided)
Seat course	1,20 m
Dimensions (WxDxH)	70 x 70 x 170 cm
Pool depth	1 Meter minimum

UNIJET MODEL APPROVED BY APAVE
COMPLIES WITH LEGAL OBLIGATION NO
2006/42/CE





UNIKART DESIGN

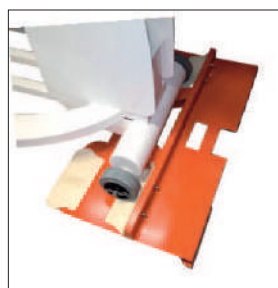
- Assists pool users to enter and exit the pool with ease
- Simple to manoeuvre and provides easy access to any part of the pool
- Swivel rear wheels with brakes for easy control
- Supplied with a brake carpet to prevent damage to the pool edge
- Adjustable headrest and armrests for extra comfort



Simple to lower and lift



Double Winch



Brake Carpet for Pool Edge

TECHNICAL DATA	MANUAL	MOTORIZED
code	Unikart	Unikart XD
Hoisting load max	Up to 136 kg	Up to 136 kg
Weight / Packing / Volume	365 kg / 1 / 1.79 m ³	375 kg / 1 / 1.79 m ³
Power supply	No	24V battery
Rear wheels	Swivel braked	Swivel braked
Front wheels	Solid wheels	Solid wheels
Dimensions (WxDxH)	80 x 120 x 170 cm	80 x 120 x 170 cm
Trolley/seat	Painted stainless steel / polypropylene	Painted stainless steel / polypropylene
System	Pantograph (double winch)	Pantograph (double winch)
Lowest seat position	90 cm	75 cm
Warranty	2 years -7 years (corrosion)	2 years -7 years (corrosion)

UNIKART MODEL APPROVED BY APAVE
COMPLIES WITH LEGAL OBLIGATION NO
2006/42/CE



UNIKART 'CLASSIC'

- Assists pool users to enter and exit the pool with ease
- Simple to manoeuvre and provides easy access to any part of the pool
- Swivel rear wheels with brakes for easy control
- Simple to operate
- Stainless steel construction
- Lifting capacity: 136kg
- Mechanical actuator: IP67
- Power source: 24V battery
- No. of cycles per battery charge: 40
- Recharge time: 4 hours



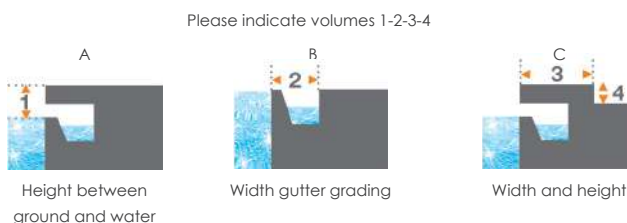
05



Battery



Manual



TECHNICAL DATA	MANUAL	MOTORIZED
code	Unikart classic	Unikart classic XD
Max lifting load	Up to 136 kg	Up to 136 kg
Weight / Packing / Volume	260 kg / 1 / 1.79 m ³	270 kg / 1 / 1.79 m ³
Power supply	No	Battery 24 Volts
Rear wheels	Swivel braked	Swivel braked
Front wheels	Solid wheels	Solid wheels
Dimensions (WxDxH)	80 x 120 x 170 cm	80 x 120 x 170 cm
Trolley/seat	Painted stainless steel / Polypropylene	Painted stainless steel / Polypropylene
System	Pantograph (double winch)	Pantograph (motorized actuator)
Lowest seat position	80 cm	65 cm
Warranty	2 years -7 years (corrosion)	2 years -7 years (corrosion)

UNIKART MODEL APPROVED BY APAVE
COMPLIES WITH LEGAL OBLIGATION NO
2006/42/CE



Access for all,
without installation



POOL LIFT UNIFIX MANUAL & MOTORIZED

- Crane to allow the transfer of people with reduced mobility (PRM) into the pool or spa
- Includes a swivelling articulated column that can rotate 360°
- Supports a hammock or rigid seat
- Hoisting load: 150kg max.
- Manual or battery operated
- Foldable and easily transportable
- Floor fixing: Ø 50mm coring or attachment plate

Please indicate volumes

1-2-3-4

A



Height between ground and water

B

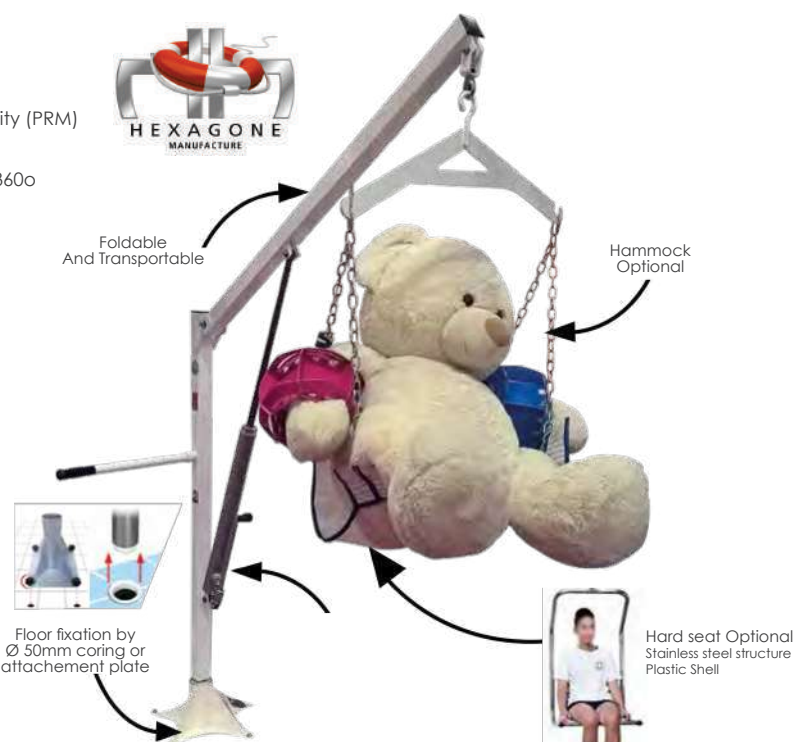


Width gutter grading

C



Width and height



BATTERY



MANUAL



TECHNICAL DATA	MANUAL	MOTORIZED
code	Unifix	Unifix XD
Max lifting load	Up to 150 kg	Up to 150 kg
Weight / Packing / Volume	50 kg / 1 / 0.63 m ³	60 kg / 1 / 0.63 m ³
Power supply	No	2 Battery
Dimensions (WxDxH)	137 x 30 x 141 cm	132 x 30 x 152.5 cm
Trolley/seat	Galvanized steel / hammock or seat	Galvanized steel / hammock or seat
System	manual	motorized
seat course	130 cm	140 cm
Warranty	2 years	2 years

UNIFIX MODEL APPROVED BY APAVE
COMPLIES WITH LEGAL OBLIGATION NO
2006/42/CE



For swimming pool
and Spa

04 | FITNESS SPORT EQUIPMENT AQUA BIKE

HEXA BIKE OPTIMA

- Polyethylene chassis with stainless steel moving parts
- Ideal for rehabilitation and fitness
- Adapts to pool depths of 1.2m to 1.7m
- Can be used with or without water aerobic shoes
- Available in 8 colours
- Removable feet for easy storage
- 8 suction cups to improved stability
- 2 front wheels to lower and raise bike in and out of the pool with ease
- Adjustable seat height, handlebar height and depth



TECHNICAL DATA	HEXA BIKE OPTIMA 100	HEXA BIKE OPTIMA 200
Weight / Packing / Volume	14 kg / 1 / 0.76 m ³	16 kg / 1 / 1.39 m ³
Chassis	Polyethylene	Polyethylene
Accessories	Stainless steel	Stainless steel
Depth of use	120-140 cm	120 - 170 cm
Dimensions	115 x 92 x 66 cm	120 x 160 x 66 cm
Suction cup	8	9
Wheels	2 front	2 front
Colors	8	7
Brake	Without	with
Warranty	7 Year	7 year



STANDARD EXERCISE EQUIPMENTS

- Various products made from polypropylene and stainless steel parts
- Ideal for rehabilitation and fitness
- Adapts to pool depths of 1.2m to 1.8m
- **Hexa/Aqua Run** – Ideal for trekking or jogging. Easy to manoeuvre in and out of the pool thanks to the 2 front mounted wheels. Made from polyethylene and stainless steel. Foldable for easy storage and available in 7 colours.
- **Hexa/Aqua Jump** – Ideal for a fun workout, invigorating and safe. You can bounce and jump in the water. Made from polyethylene / stainless steel and available in 7 colours.
- **Hexa/Aqua multi exercise pole** – Ideal for pole dancing in the water. Works arm muscles, biceps, triceps and abdominal muscles. Made from polyethylene / stainless steel and available in 7 colours.
- **Hexa/Aqua step and trolley (for up to 10 Hexa steps)** – Perfect for step aerobics in and out of the water. Steps made from lilac polyethylene. Trolley made from stainless steel.
- **Floating mattress Hexa/Aqua paddle** – For fun on the water. Made from PVC reinforced nylon and available in 1 blue design.

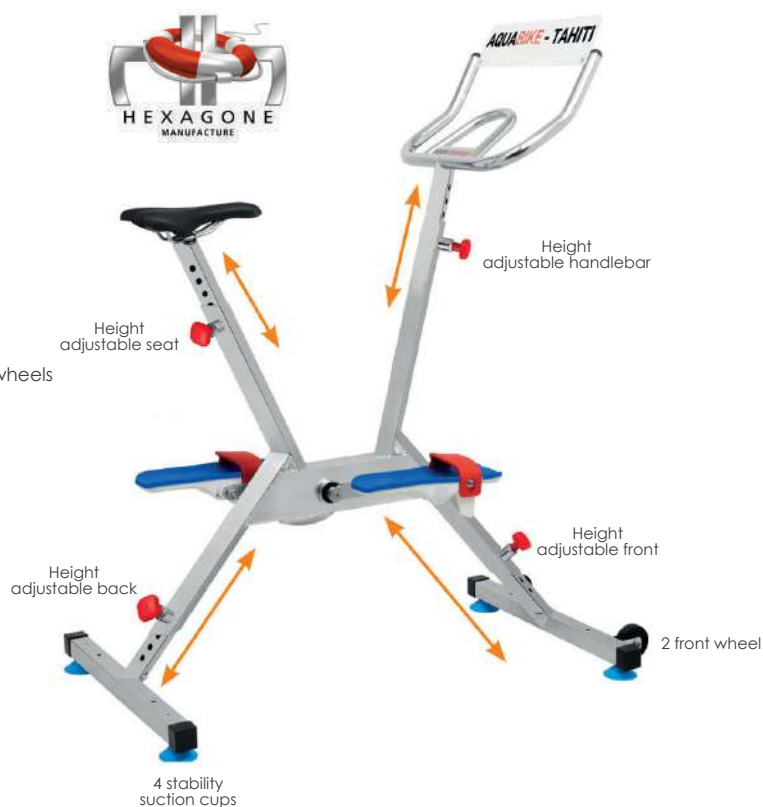


TECHNICAL DATA	HEXA RUN	HEXA JUMP	HEXA MULTI EXERCISE	HEXA STEP	HEXA STEP TROLLEY	FLOATING MATTRESS HEXA PADDLE
Weight / Packing / Volume	25 kg / 1/1.86 m ³	9 kg / 1/0.27 m ³	20 kg / 1/7.33 m ³	16 kg / 1/0.43 m ³	10 kg / 1/0.74 m ³	10 kg / 1/0.24 m ³
Material	Polyethylene/ Stainless steel	Polyethylene/ Stainless steel	Polyethylene/ Stainless steel	Polyethylene	Stainless steel	PVC reinforced nylon
Depth of use	120-140 cm	80 - 170 cm	160 - 180 cm	80 - 170 cm	-	Not limited
Dimensions	135 x 82 x 153 cm (folded)	Ø106 cm H.22 cm	Ø198 cm H.170 cm	67 x 17 x 35 cm	75 x 45 x 200 cm	220 x 81 x 12 cm
Suction cup	8	8	10	8	without	without
Wheels	4 front	without	without	without	4	-
Colors	7	7	7	Lilac	-	1
Brake	With	Without	without	-	-	-
Charge maximum	-	-	-	-	10 nos	120 kg
Warranty	1 Year	1 year	1 year	1 Year	1 Year	1 Year



AQUA BIKE STANDARD

- Frame made from AISI-316L Stainless steel
- Ideal for rehabilitation and fitness
- Adapts to pool depths of 1.1m to 1.5m
- Can be used with or without water aerobic shoes
- 4 adjustable heights for seat, handlebars and legs
- 4 suction cups for improved stability
- Seawater compatible
- Easy to move in and out of the pool water with its 2 front wheels
- Small in size, easy to use and manouvre



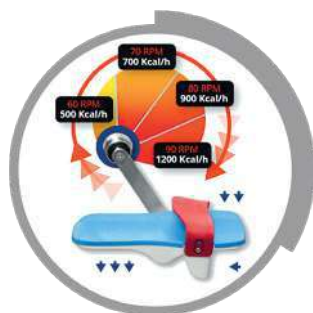
TECHNICAL DATA	HEXA BIKE RESORT 100	HEXA BIKE RESORT 200
Weight / Packing / Volume	18.3 kg / 1/0.97 m ³	25.1 kg / 1/1.85 m ³
Material	stainless steel	Stainless steel anticorrosion
Depth of use	110-150 cm	110 - 150 cm
Dimensions	127 x 60.4 x 115 cm	127 x 60.4x 101cm
Suction cup	8	8
Wheels	2 front	2 front
Warranty	1 Year	1 Year





AQUA BIKE PREMIUM

- Frame made from AISI-316L Stainless steel
- Ideal for rehabilitation and fitness
- Adapts to pool depths of 1.1m to 1.5m
- Can be used with or without water aerobic shoes
- 4 adjustable heights for seat, handlebars and legs
- 4 suction cups for improved stability
- Seawater compatible
- Easy to move in and out of the pool with its 2 front wheels



Custom ad banner (optional)



Platforms kit with wheels for the beach (optional)



Bottle holder kit: handlebar holder & 500cl bottle (optional)



TECHNICAL DATA	HEXA BIKE ONE 100	HEXA BIKE ONE 200	HEXA BIKE ONE 300
Weight / Packing / Volume	15.5 kg / 1/0.67 m ³	18.3 kg / 1/0.93 m ³	20 kg / 1/1.80 m ³
Material	stainless steel	Stainless steel anticorrosion	Stainless steel anticorrosion
Depth of use	110-150 cm	110 - 150 cm	110 - 150 cm
Dimensions	84 x 60.4 x 120 cm	127 x 60.4 x 101 cm	120 x 60.4 x 101cm
Suction cup	4	4	4
Wheels	2 front	2 front	2 front
Warranty	1 Year	1 Year	1 Year



PREMIUM EXERCISE EQUIPMENTS

- All products manufactured in AISI-316L stainless steel
- Ideal for rehabilitation and fitness including aqua trekking or aqua jogging
- Adapts to pool depths of 0.8 to 1.7m
- Can be used with or without water aerobic shoes
- Adjustable to suit the users needs
- Suction cups for improved stability
- Easy to move in and out of the pool with its 2 front wheels. Hexa Run and Hexa Elliptique only.



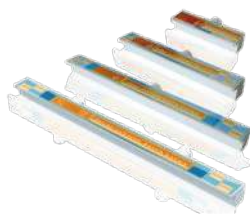
TECHNICAL DATA	HEXA RUN PREMIUM	HEXA ELLIPTIQUE	HEXA JUMP PREMIUM
Weight / Packing / Volume	32.8 kg / 1/1.26 m ³	25 kg / 1/1.30 m ³	5 kg / 1/0.20 m ³
Chassis	Stainless steel 316L	Stainless steel 316L	Stainless steel 316L
Accessories	stainless steel	Stainless steel	Stainless steel
Depth of use	120-140 cm	110 - 150 cm	80 - 170 cm
Dimensions	127 x 65 x 139 cm (unfolded)	135 x 60.6 x 145 cm	Ø91 cm H.21 cm
Suction cup	6	4	4
Wheels	2 front	2 front	without
Warranty	Year	2 Year	2 Year



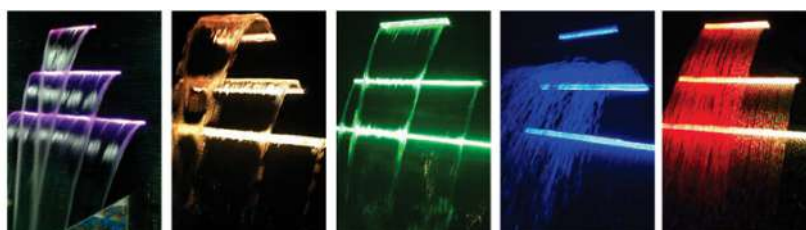
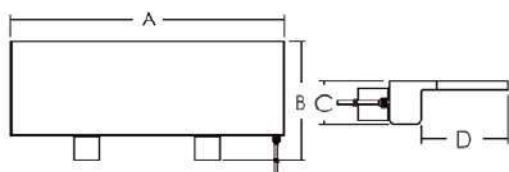


05 | WATER DESCENT SYSTEM

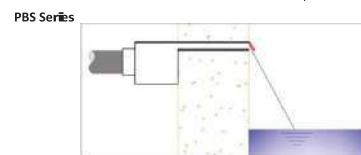
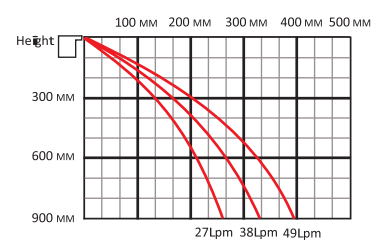
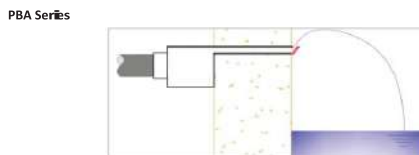
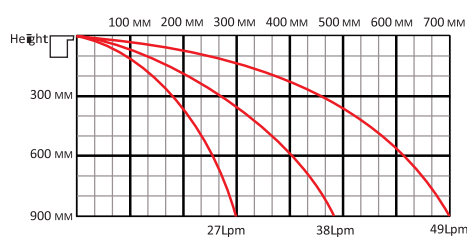
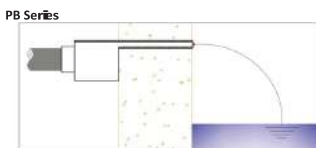
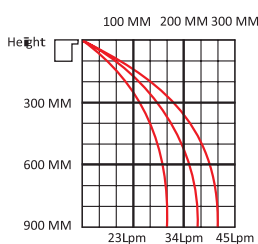
- Two different widths: 25mm and 150mm
- Four different lengths: 300mm, 600mm, 900mm and 1200mm
- LED strip lights powered by external 12V DC power supply/controller Safe and reliable
- 10 light patterns available, operated by control box or remote control
- Multiple water descent systems can share the same controller
- Input power: 220V AC + 15% 50/60 Hz
- Output power: 12V DC 60W
- Includes remote control for convenient operation



Control Box



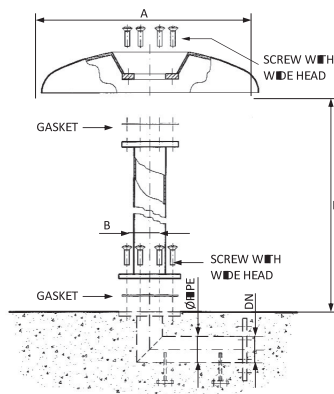
CODE	FLOW RATE	DIMENSIONS				PACKING	WEIGHT	VOLUME	CODE	FLOW RATE	DIMENSIONS				PACKING	WEIGHT	VOLUME
	m ³ /h	A	B	C	D					m ³ /h	A	B	C	D			
PB-88480101	46	306	138	76	25	1	1.5	0.008	PBA-88480411	60	606	152	76	39	1	3	0.016
PB-88480102	46	306	263	76	150	1	2.2	0.013	PBA-88480412	98	606	277	76	164	1	4.5	0.026
PB-88480111	60	606	138	76	25	1	2.7	0.014	PBA-88480421	120	906	152	76	39	1	4.3	0.025
PB-88480112	98	606	263	76	150	1	4.2	0.025	PBA-88480422	150	906	277	76	164	1	6.4	0.039
PB-88480121	120	906	138	76	25	1	3.4	0.021	PBS-88480501	60	306	152	76	39	1	1.8	0.009
PB-88480122	150	906	263	76	150	1	6	0.037	PBS-88480502	98	306	277	76	164	1	-	0.015
PB-88480131	120	1206	138	76	25	1	4.9	0.028	PBS-88480511	120	606	152	76	39	1	-	0.017
PB-88480132	150	1206	263	76	150	1	7.5	0.048	PBS-88480512	150	606	277	76	164	1	-	0.029
PBA-88480401	46	306	152	76	39	1	1.8	0.009	PBS-88480521	120	906	152	76	39	1	-	0.025
PBA-88480402	46	306	277	76	164	1	2.2	0.015	PBS-88480522	150	906	277	76	164	1	-	0.043
CP-WDL	Control box: Input power: 220V AC 15% ; 50/60Hz Output power: 12V DC: 60W																



06 | WATER FALL FOUNTAINS

STAINLESS STEEL FOUNTAIN “MUSHROOM”

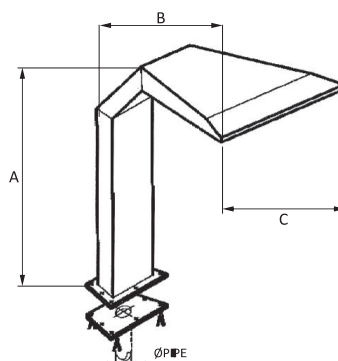
- Manufactured in AISI-316 stainless steel
- Corrosion resistant
- Produces a wide, all-round curtain of water
- Metallic silver, stove paint finish
- Available in 6 models



CODE	HEIGHT	FLOW RATE	DIMENSIONS					PACKING	WEIGHT	VOLUME
	mm		A	B	H	DN	Ø PIPE		kg	m ³
F-264	800	46	800	114	2000	75	75	2	20	0.30
F-265	1000	46	1000	140	2000	75	75	2	25	0.44
F-266	1200	60	1200	168	2000	90	90	2	30	0.59
F-267	1600	98	1600	220	2200	125	140	2	45	0.82
F-268	2000	120	2000	273	2200	150	160	2	70	2.13
F-269	2400	150	2400	273	2200	150	160	2	60	2.36

STAINLESS STEEL FOUNTAIN “FALL”

- Manufactured in AISI-316 stainless steel
- Corrosion resistant
- Water outlet produces a constant, even flow of water
- Available in 3 colours: Silver, Metallic blue and Pearl white
- Available in 3 models

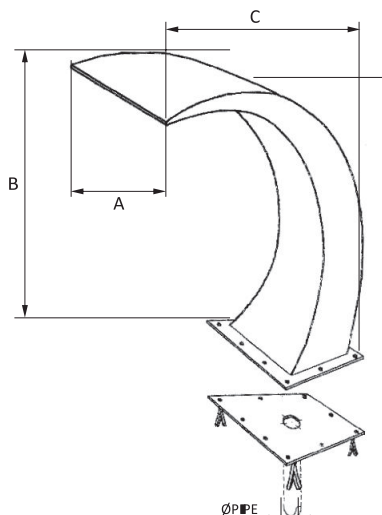


CODE	JET WIDTH (C)	FLOW RATE	DIMENSIONS			PACKING	WEIGHT	VOLUME
	mm		A	B	Ø PIPE		kg	m ³
F-270	300	25	900	570	63	1	12	0.02
F-271	400	40	1000	670	75	1	15	0.03
F-272	600	60	1300	870	90	1	22	0.10



STAINLESS STEEL FOUNTAIN "COBRA"

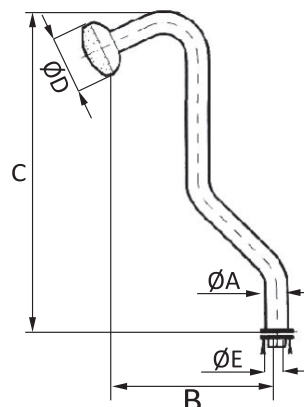
- Manufactured in AISI-316 stainless steel
- Corrosion resistant
- Water outlet produces an even and satin-feel waterfall
- Available in 3 colours: Silver, Metallic blue and Pearl white
- Available in 4 models



CODE	JET WIDTH (A)	FLOW RATE	DIMENSIONS				PACKING	WEIGHT	VOLUME
	mm		A	B	C	Ø PIPE		kg	m ³
F-273	300	20	300	650	600	2" F	1	11	0.07
F-274	500	32	500	650	600	2½"	1	14	0.11
F-275	650	50	650	800	750	3"	1	22	0.23
F-276	800	60	800	1000	920	4"	1	30	0.35

STAINLESS STEEL FOUNTAIN "SUNFLOWER"

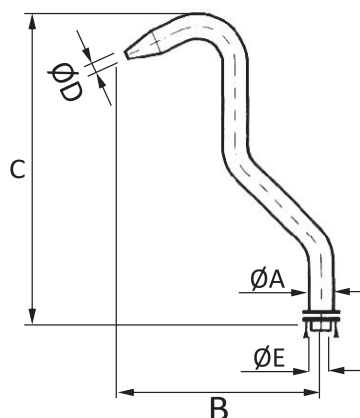
- Manufactured in AISI-316 stainless steel
- Corrosion resistant
- Water outlet includes a diffuser to produce an even, sprinkle of water
- Metallic silver, stove paint finish
- Available in 2 models



CODE	DESCRIPTION	FLOW RATE	DIMENSIONS				PACKING	WEIGHT	VOLUME
		m ³ /h	Ø A	B	C	Ø E		kg	m ³
F-277	With Diffuser Ø 168	20	76	600	930	2"	1	10	0.05
F-278	With Diffuser Ø 220	25	89	700	1300	2"	1	15	0.06

STAINLESS STEEL FOUNTAIN "HERON"

- Manufactured in AISI-316 stainless steel
- Corrosion resistant
- Water outlet available with nozzle or fan for a jet or spray output
- Available in 3 colours: Silver, Metallic blue and Pearl white
- Available in 4 models

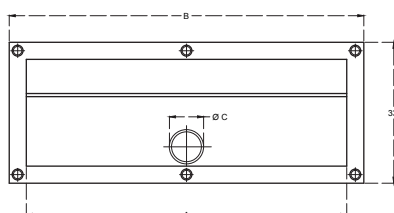
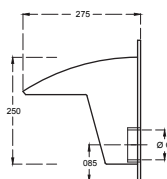


05

CODE	DESCRIPTION	FLOW RATE	DIMENSIONS					PACKING	WEIGHT	VOLUME
		m³/h	Ø A	B	C	Ø D	Ø E		kg	m³
F-279	With Nozzle Ø 27 - 33	15	76	600	930	27	1½"	1	10	0.02
F-280	With Nozzle Ø 33 - 48	20	89	600	1080	33	2"	1	12	0.03
F-281	Fan Outlet AV - 200mm	25	76	700	1300	33	2"	1	10	0.02
F-282	Fan Outlet AV - 300mm	25	89	700	1300	33	2"	1	14	0.09

"FALL" WALL FOUNTAIN

- Manufactured in AISI-316 stainless steel with a shiny finish
- Corrosion resistant
- Water outlet produces an even and satin-feel waterfall
- Available in 5 models



CODE	JET WIDTH	RANGE	DIMENSIONS							PACKING	WEIGHT	VOLUME
	mm	m³/h	A	B	C	D	E	F	G		kg	m³
F-290	300	15	300	380	1½"	330	275	250	85	1	7	0.02
F-291	500	20	500	580	2"	330	275	250	85	1	10	0.03
F-292	750	30	750	830	2 x 1½"	330	275	250	85	1	15	0.08
F-293	1000	40	1000	1080	2 x 1½"	330	275	250	85	1	20	0.11
F-294	1250	50	1250	1330	2 x 2"	330	275	250	85	1	25	0.14



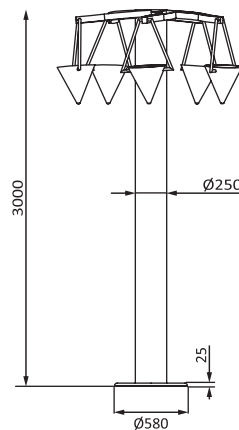
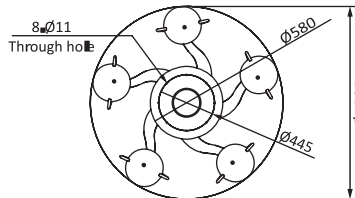
07 | WATER FALL GAMES



WATER POLE

An active and exciting water feature producing hours of fun for children of all ages. Water flows up the central pole and down the radial arms to fill the colourful tipsy-turvy buckets. Once the buckets are full, they tip and drop water over the unsuspecting children.

- Large Ø 250mm pole with a maximum height of 3m
- 5 radial arms with 5 colourful tipsy-turvy buckets
- Bucket capacity: 7L
- Optional mounting clock for additional functionality – Available on request

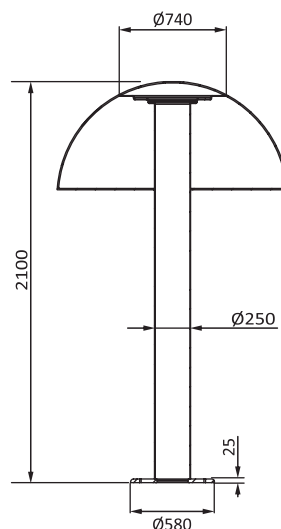
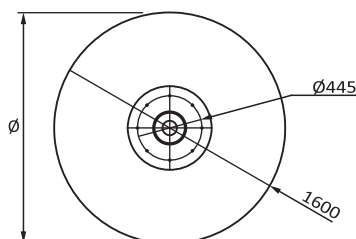


CODE	Ø	WATER FLOW	HEIGHT	PACKING	WEIGHT	VOLUME
	mm				kg	m³
F-413	250	1.5	3	1	53.7	0.44

RAINDOME

A fun and exuberant water feature, ideal for any children's recreational pool or splash park. Water flows up the central stem and over the surface of the dome to produce an all-round curtain of water.

- Large Ø 250mm pole with a maximum height of 2.1m
- Dome is available in 3 different diameters
- Fabricated in fibreglass (GRP)
- Corrosion resistant

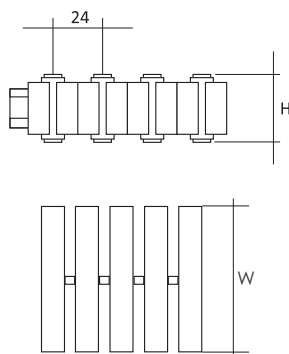


CODE	Ø	HEIGHT	PACKING	WEIGHT	VOLUME
	mm	m		kg	m³
F-414	1200	2.1	1	45	0.45
F-415	1600	2.1	1	55	0.7
F-416	2000	2.1	1	70	1.2

08 | OVERFLOW GRATING

OVERFLOW GRATING

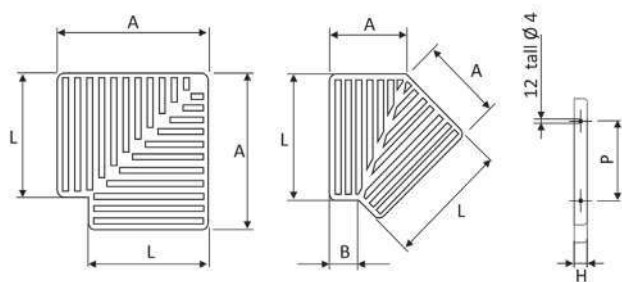
- Made of high quality, UV resistant plastic
- Modular grating for curves
- The individual gratings are connectible to form a continuous flexible run
- One meter is 44pcs



CODE	DIMENSIONS		PACKING	WEIGHT	VOLUME
	W	H		kg	m ³
GR-101	195	22	470	13.6	0.080
GR-102	195	35	450	14.3	0.080
GR-103	245	22	320	15.8	0.080
GR-104	245	35	300	16.5	0.080

OVERFLOW GRATING ANGLE

- Made of high quality, UV resistant polyester and fibreglass
- Available in 45o and 90o angles for the perfect finish



CODE	DESCRIPTION	DIMENSIONS					PACKING	WEIGHT	VOLUME
		A	B	H	L	P		kg	m ³
GR-90-01	OVERFLOW GRATING ANGLE 90° 245 x 35 mm	295	-	35	245	127	4	4.1	0.014
GR-90-02	OVERFLOW GRATING ANGLE 90° 245 x 22 mm	295	-	22	245	127	4	3.6	0.009
GR-90-03	OVERFLOW GRATING ANGLE 90° 195 x 35 mm	245	-	35	195	127	4	2.4	0.009
GR-90-04	OVERFLOW GRATING ANGLE 90° 195 x 22 mm	245	-	22	195	127	4	2.2	0.006
GR-45-01	OVERFLOW GRATING ANGLE 45° 245 x 35 mm	150	50	35	245	127	4	3.2	0.009
GR-45-02	OVERFLOW GRATING ANGLE 45° 245 x 22 mm	150	50	22	245	127	4	2.8	0.009
GR-45-03	OVERFLOW GRATING ANGLE 45° 195 x 35 mm	130	50	35	195	127	4	2.0	0.006
GR-45-04	OVERFLOW GRATING ANGLE 45° 195 x 22 mm	130	50	22	195	127	4	1.9	0.006



TRANSGRATE



- Designed for Olympic sized swimming pools
- Molded from engineering plastic for outstanding strength and stiffness
- Easy installation with maximum flexibility
- Available in 3 standard widths: 250mm, 300mm and 350mm
- Bespoke sizes available on request

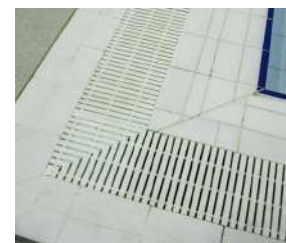


CODE	W	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
GR-112	250	8	15	0.01
GR-113	300	8	16	0.01
GR-114	350	8	17	0.15

TRANSGRATE CORNER



- Designed for Olympic sized swimming pools
- Molded from engineering plastic for outstanding strength and stiffness
- Easy installation with maximum flexibility and safety
- Available in 3 standard widths: 250mm, 300mm and 350mm

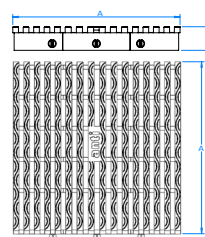


CODE	DESCRIPTION	WIDTH A	PACKING	WEIGHT	VOLUME
		m		kg	m ³
GR-112-CORNER	ABS TRANSGRATE GLASS FILLED PP CORNER	250	-	-	-
GR-113-CORNER	ABS TRANSGRATE GLASS FILLED PP CORNER	300	-	-	-
GR-114-CORNER	ABS TRANSGRATE GLASS FILLED PP CORNER	350	-	-	-

LOGIGRATE



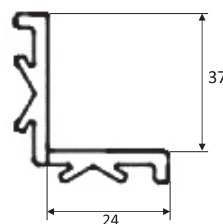
- Designed for Olympic sized swimming pools
- Molded from engineering plastic for outstanding strength & stiffness
- Easy installation with maximum flexibility and safety
- Available in 3 standard widths: 250mm, 300mm and 350mm



CODE	DESCRIPTION	WIDTH A	PACKING	WEIGHT	VOLUME
		m		kg	m ³
AWE026C	ABS LONGI GRATE GLASS FILLED PP	250	8	15	0.01
AWE027C	ABS LONGI GRATE GLASS FILLED PP	300	8	16	0.01
AWE028C	ABS LONGI GRATE GLASS FILLED PP	350	8	17	0.15

GRATING SUPPORT

- Molded from engineering plastic for outstanding strength and stiffness
- Suitable for 22mm, 24mm and 35mm high grating panels
- Supplied in 2m lengths
- Inside measurement: 24mm x 37mm



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
GR-119	25	13.2	0.033

09 | POOL LIFE GUARD CHAIR

POLYPROPYLENE LIFEGUARD CHAIR

- Made in polypropylene. 100% recyclable
- Resistant to sea and chlorinated water
- Anti-slip seat and steps
- Double depth steps for safety and comfort
- Equipped with a cup holder and slot to attach a beach umbrella
- 4 seat heights available
- hook for life ring



Optional wheel available on request



Double walk depth 30 cm



Cup holder



TECHNICAL DATA	HEXA CHAIR 1 STEP	HEXA CHAIR 2 STEPS	HEXA CHAIR 3 STEPS	HEXA CHAIR 4 STEPS
Weight / Packing / Volume	35 kg / 1/0.92 m ³	50 kg / 1/1.43 m ³	70 kg / 1/2.49 m ³	86 kg / 1/4.12 m ³
Seat height	80 cm	100 cm	127 cm	cm
Dimensions	75 x 80 x 140 cm	80 x 105 x 155 cm	90 x 140 x 180 cm	105 x 170 x 210 cm
Material	Recycled polypropylene			



ALUMINUM LIFE GUARD CHAIR

"A well seated lifeguard is a very happy lifeguard"



- A lightweight aluminium chair, engineered for stiffness and stability
- 3 seat heights available
- Comfortable, molded seat for protection against back pain

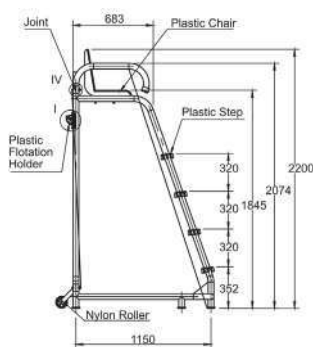


TECHNICAL DATA	ALU CHAIR 4 STEPS	ALU CHAIR 5 STEPS	ALU CHAIR 6 STEPS
Weight / Packing / Volume	15 kg / 1/0.80 m ³	20 kg / 1/0.80 m ³	25 kg / 1/1.00 m ³
Seat height	2 m	2.18 m	2.36 m
Seat	PVC	PVC	PVC
Material	Aluminium	Aluminium	Aluminium

ALUMINUM LIFE GUARD CHAIR



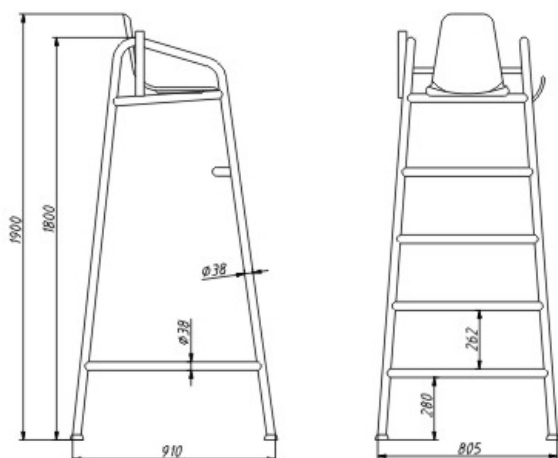
- Provides a practical vantage point for all lifeguard duties
- Sturdy aluminium construction with white powder coating
- Large AISI-316 stainless steel wheels for easy manoeuvring
- Rubber inserts for stable positioning and protection from scratching the pool deck
- Includes fittings for mounting the lifebuoy ring and umbrella behind the seat



CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
PG-14	2200	1	45	0.45

STAINLESS STEEL LIFE GUARD CHAIR

- Provides a practical vantage point for life guard duties.
- Stainless steel 316 construction
- rubber inserts protect the pool deck from scratches and ensures stable positioning.



CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
PG-14-SS	1900	1	-	-

LIFE BUOY

- Made of plastic polyethylene
- Used for various commercial and leisure applications
- Exterior diameter 730mm
- Supplied in quantities of 6



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
PG-15	6	18	0.33

LIFE HOOK

- Made of aluminium
- Supplied in quantities of 12

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
PG-16	12	6.5	0.09





10 POOL PANIC SECURITY SYSTEM



STANDARD WALL PANIC BUTTON

- Simple to use
- Easy to install and connectable anywhere you desire
- Waterproof protection rating: IP65
- Battery operated – Uses 3.2V AA lithium battery
- For pool users
- Signal range: 150m



SPARTEL LED BOX AND SPEAKER

- Central reception box that displays the number of panic buttons triggered
- Emits sound to warn everyone in the area
- Receive up to 6 signals
- Signal range: 150m
- Easy installation to anywhere you desire



Areas of use:

FALL ALERT – To alert or request help during a poolside incident such as a fall or slip

PRM ALERT – To request assistance for people with reduced mobility, having pool access problems

ISOLATION ALERT – To alert people if they are in an unattended or isolated area

CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-17	3.2 Battery	100 x 65 x 40	1	0.5	0.0017

CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-20	220V Socket	284 x 180 x 90	1	0.5	0.0017

PANIC BUTTON WITH ANNOUNCEMENT

- Simple to use
- Easy to install and connectable anywhere you desire
- Waterproof protection rating: IP65
- Battery operated – Uses 3.2V AA lithium battery
- For pool team members
- Signal range: 150m
- Includes personalised announcement



SPARTEL SIGNAL REPEATER

- Transmits a signal in inaccessible areas including walls
- Signal range: 100m
- Protection rating: IP66



Areas of use:

RESCUE ALERT – To alert pool users of a rescue procedure

INCIVILITY ALERT – To alert or request help from impolite behaviour

CASH DESK ALERT – To alert or request help during an attack

TECHNICAL ALERT – To alert or request help from a fall or intoxication in a technical room

CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-18	3.2 Battery	100 x 65 x 40	1	0.5	0.0017

CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-21	220V Socket	180 x 94 x 60	1	4	0.024

MULTI ZONE RADIO CONTROL

- Simple mobile control that you can take anywhere
- Ideal for cleaners and technicians
- Waterproof protection rating: IP68
- Battery operated – Uses 3.2V A lithium battery
- Signal range: 150m



SPECIAL SAUNA PANIC BUTTON

- Simple to use
- Easy to install and connectable anywhere you desire
- Waterproof protection rating: IP65
- Battery operated – Uses 3.2VAA lithium battery
- Withstand temperatures up to 110oC
- Signal range: 150m
- Inside button



CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-19	3.2 Battery	118 x 68 x 37	1	0.5	0.0017

CODE	POWER SUPPLY	DIMENSIONS	PACKING	WEIGHT	VOLUME
		mm		kg	m ³
PG-22	3.2 Battery	100 x 65 x 40	1	0.5	0.0017

11 | DRY 'N' GO



- Designed to wring out swimsuits using an internal spinning drum
- Manufactured in stainless steel for hygienic conditions
- Chlorine resistant
- Eliminates 95% of the water in less than 10 seconds
- Includes integrated battery
- Warranty: 2 years



DRY 'N' GO® !

TECHNICAL DATA	MANUAL	MOTORIZED
Code	Dry'n'go XD wringer	Dry'n'go wringer
Weight / Packing / Volume	25 kg / 1/0.173 m ³	30 kg / 1/0.173 m ³
Structure	Stainless steel	Stainless steel
Dimensions (WxDxH)	54 x 35.5 x 82 cm	54 x 35.5 x 82 cm
References	xdngn000	z184hssd-silver

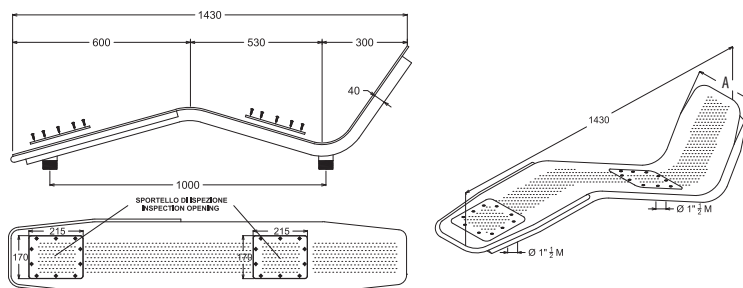




12 | HYDRO MASSAGE CHAIRS

HYDRO MASSAGE BED STANDARD

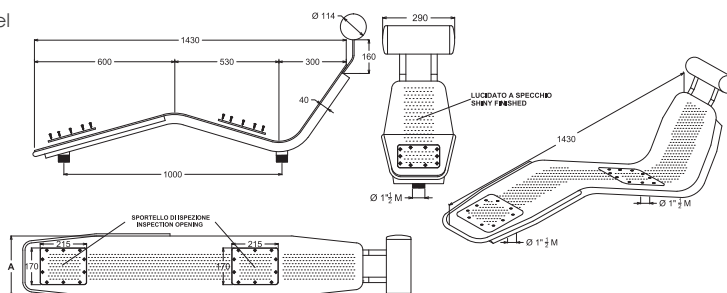
- Air hydro-massage bed with inspection door - narrow and enlarged. For concrete.
- AISI 316L-V4A stainless steel
- Mirror polishing.



CODE	DESCRIPTION	DIMENSIONS (mm)	FLOW RATE M ³ /H	PACKING	WEIGHT	VOLUME
		A			kg	m ³
CH-02	Tight bed standard	280	100	1	30	0.21
CH-03	Wide bed standard	400	130	1	35	0.27

HYDRO MASSAGE BED WITH HEAD REST

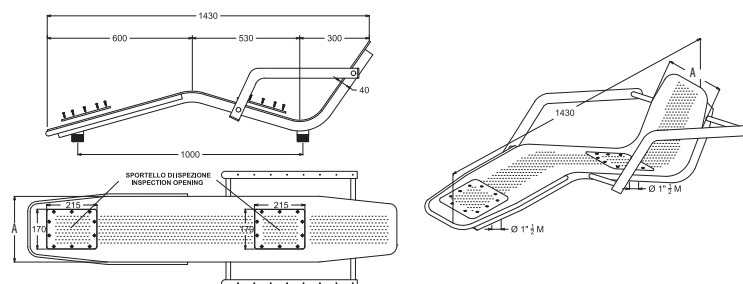
- Air hydro-massage bed with inspection door narrow and enlarged model with headrest. For concrete.
- AISI 316L - V4A stainless steel
- Mirror polishing.



CODE	DESCRIPTION	DIMENSIONS (mm)	FLOW RATE M ³ /H	PACKING	WEIGHT	VOLUME
		A			kg	m ³
CH-04	Tight bed with headrest	280	100	1	33	0.21
CH-05	Wide bed with headrest	400	130	1	38	0.27

HYDRO MASSAGE BED WITH ARM-REST

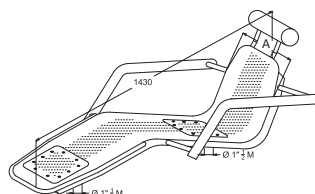
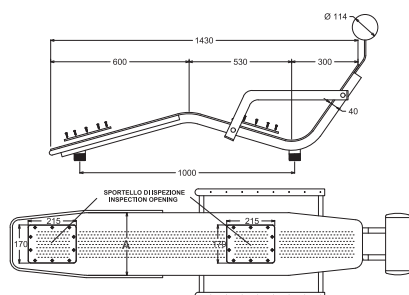
- Air hydro-massage bed with inspection door. Narrow and enlarged model with handrail. For concrete.
- AISI 316L - V4A stainless steel
- Mirror polishing



CODE	DESCRIPTION	DIMENSIONS (mm)	FLOW RATE M ³ /H	PACKING	WEIGHT	VOLUME
		A			kg	m ³
CH-04-A	Tight bed standard	280	110	1	35	0.39
CH-05-A	Wide bed standard	400	150	1	40	0.45

HYDRO MASSAGE BED WITH HEAD REST & ARM REST

- Air hydro-massage bed with inspection door. Narrow and enlarged model with handrail and headrest. For concrete.
- AISI 316L - V4A stainless steel
- Mirror polishing.

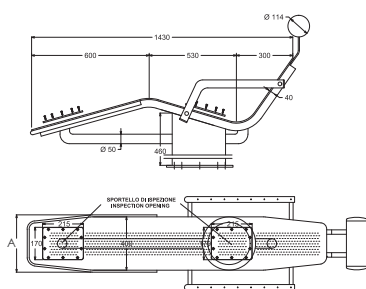


05

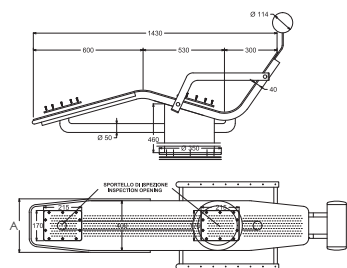
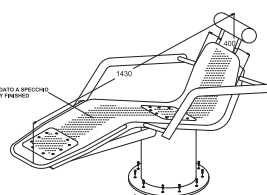
CODE	DESCRIPTION	DIMENSIONS (mm)	FLOW RATE M ³ /H	PACKING	WEIGHT	VOLUME
		A			kg	m ³
CH-04-B	Tight bed standard	280	110	1	40	0.54
CH-05-B	Wide bed standard	400	150	1	45	0.54

HYDRO MASSAGE BED WITH COLUMN, HEAD REST & ARM REST

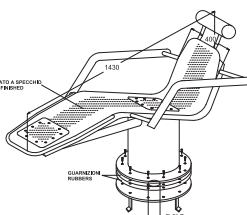
- Air hydro-massage bed with inspection door. Narrow and enlarged model with column, handrail and headrest.
- AISI 316L - V4A stainless steel
- Mirror polishing.



Concrete



Liner



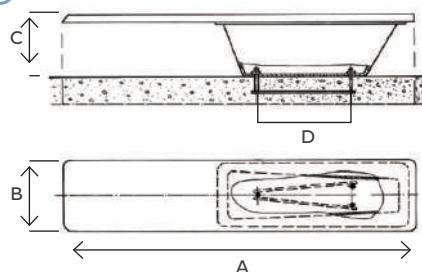
CODE	DESCRIPTION	DIMENSIONS (mm)	FLOW RATE M ³ /H	PACKING	WEIGHT	VOLUME
		A			kg	m ³
CH-10	Wide Hydro massage bed for Concrete	400	150	1	60	1.08
CH10-L	Wide Hydro massage bed for Liner	400	150	1	60	1.08



13 | DIVING BOARDS

FLEXIBLE DIVING BOARD

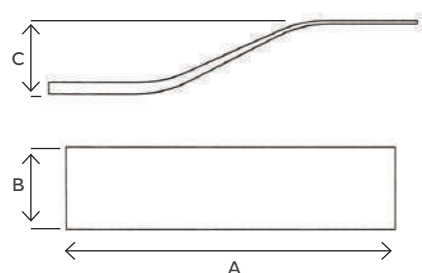
- Board and base made of polyester and fiberglass
- Non-slip board surface



CODE	DIMENSIONS				PACKING	WEIGHT		VOLUME
	A	B	C	D		kg	m ³	
DB-01	1800	410	350	320	1	30	0.15	
DB-02	2000	410	350	530	1	32	0.19	
DB-03	2400	410	350	530	1	35	0.20	

POOL SPRING BOARD

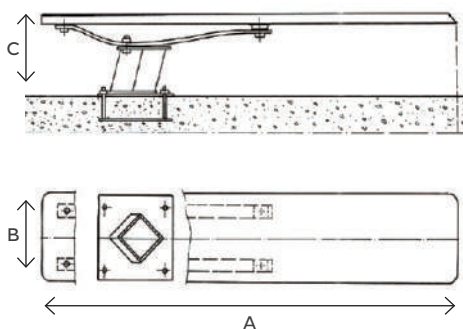
- Polyester and fiberglass board
- Anchoring unit for deck-mounting



CODE	DIMENSIONS			PACKING	WEIGHT		VOLUME
	A	B	C		kg	m ³	
DB-04	1600	400	320	1	23	0.14	

STAINLESS STEEL DIVING BOARD

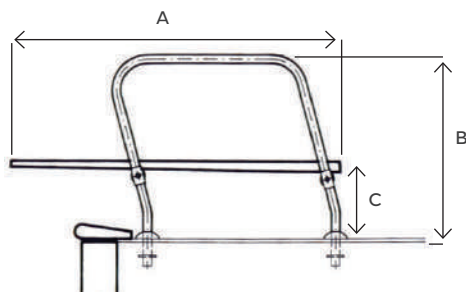
- Polyester and fiberglass board
- Stainless steel base
- Non-slip board surface.



CODE	DIMENSIONS			PACKING	WEIGHT		VOLUME
	A	B	C		kg	m ³	
DB-05	2400	410	310	1	52	0.20	

ROMA DIVING BOARD

- Polyester and fibreglass board
- AISI-304-V2A stainless steel handrail and installation kit

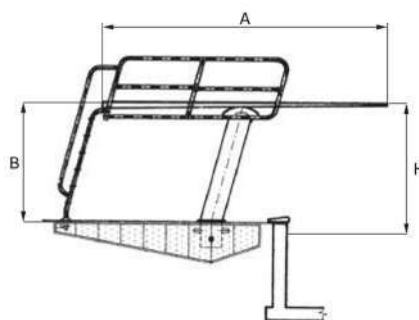


05

CODE	DIMENSIONS			PACKING	WEIGHT	VOLUME
	A	B	C		kg	m³
DB-06	1850	1030	450	3	80	1.72
DB-07	2400	1030	450	3	88	1.76

STAINLESS STEEL DIVING BOARD FOR PUBLIC POOLS MODEL "HX"

- AISI-316L-V4A stainless steel column
- AISI-304-V2A stainless steel ladder and handrails
- Adjustable stainless steel fulcrum and deluxe board (4.3m and 4.9m lengths)
- 3 heights available



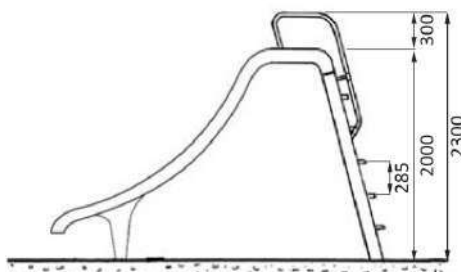
CODE	DIMENSIONS			PACKING	WEIGHT	VOLUME
	A	B	H		kg	m³
08401	4300	850	1000	1	130	2.70
08402	4900	1850	2000	1	140	3.12
08403	4900	2850	3000	1	150	3.12



14 | SLIDES

STRAIGHT POOL SLIDE

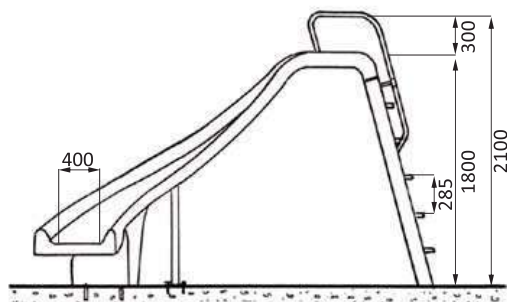
- Polyester and fibreglass slide and steps
- Aluminium handrails
- Anti-slip surface on all steps
- Additional support for the slide body



CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m³
SL-01	2000	2	42	2.40

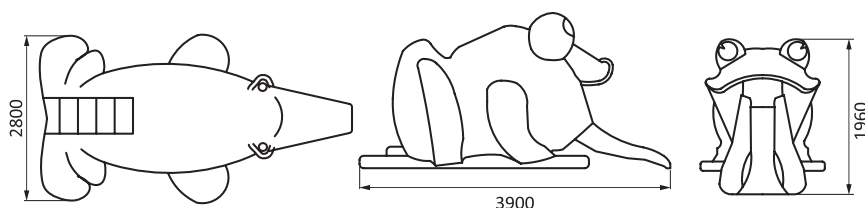
CURVED POOL SLIDE

- Polyester and fibreglass slide and steps
- Anti-slip surface on all steps
- Additional support for the slide body
- Two built-in water nozzles for supplying water to the slide surface
- Large side ramps for extra safety
- Aluminium, epoxyc painted handrails in white
- Simple to install
- Available in a right curve or left curve design



CODE	DESCRIPTION	HEIGHT	PACKING	WEIGHT	VOLUME
		mm		kg	m³
SL-02	Right hand curved design	1800	2	45	2.70
SL-03	Left hand curved design	1800	2	45	2.70

FROG SLIDE



CODE	PACKING	WEIGHT	VOLUME
		kg	m³
SL-04	1	180	12.86

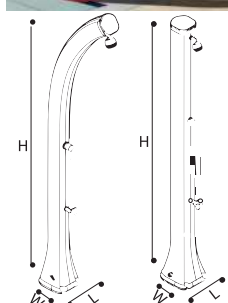
15 | SOLAR HEATED SHOWERS

MODEL "HAPPY"

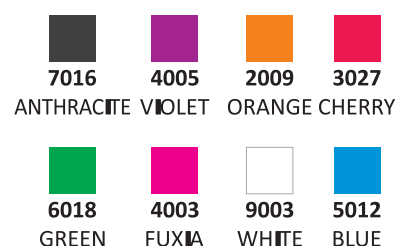
- Hot and cold mixer/shower head and foot washer
- High density polyethylene column with chrome accessories
- Available in a straight or curved design
- Choice of 8 colours



Happy XL



Happy Straight



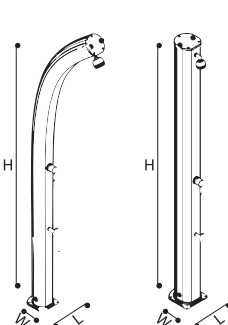
CODE	DESCRIPTION	DELIVERY CAPACITY 'L/M'		DIMENSIONS			WATER CAPACITY lt	PACK- ING	WEIGHT	VOLUME
		2.5 BAR	3.5 BAR	H	W	L			kg	m³
H-420	"HAPPY XL"	6	8	220	26	24.5	44	1	8	0.14
H-690	"HAPPY STRAIGHT"	-	-	215	29	26	40	1	9	0.18

MODEL "JOLLY"

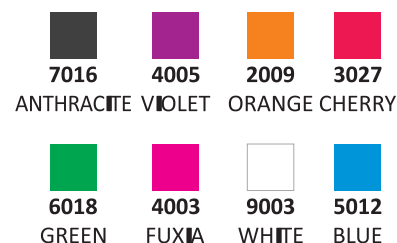
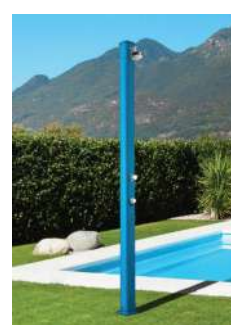
- Hot and cold mixer/shower head and foot washer
- Aluminium column, protected with anti-corrosion treatment
- Chrome accessories
- Capacity: 25 litres
- Available in a straight or curved design
- Choice of 8 colours



Jolly



Jolly Straight

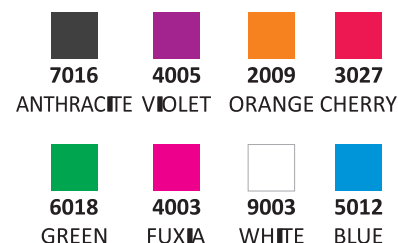
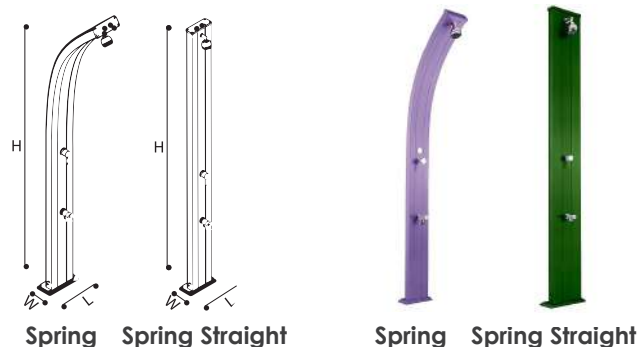


CODE	DESCRIPTION	DELIVERY CAPACITY 'L/M'		DIMENSIONS			WATER CAPACITY lt	PACKING	WEIGHT	VOLUME
		2.5 BAR	3.5 BAR	H	W	L			kg	m³
A-520	"JOLLY"	8.5	9.2	226	16.5	15	25	1	13	0.17
A-620	"JOLLY STRAIGHT"	8.5	9.2	229	16.5	15	25	1	12	0.14



MODEL "SPRING"

- Hot and cold mixer/shower head and foot washer
- Aluminium column, protected with anti-corrosion treatment
- Chrome accessories
- Available in a straight or curved design
- Choice of 8 colours

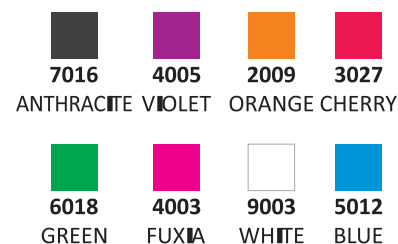
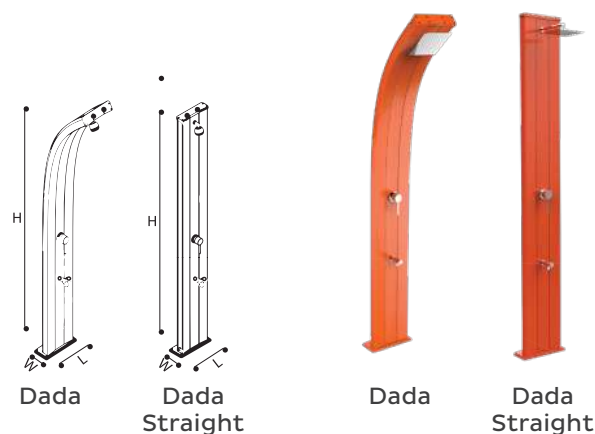


CODE	DESCRIPTION	DELIVERY CAPACITY 'L/M'		DIMENSIONS			WATER CAPACITY lt	PACKING	WEIGHT	VOLUME
		2.5 BAR	3.5 BAR	H	W	L			kg	m ³
A-120	"SPRING"	7	10	224	12	26	30	1	15	0.27
A-220	"SPRING STRAIGHT"	7	10	228	12	26	30	1	16	0.27

MODEL "DADA"

A modern and contemporary design, providing elegance in any environment – Dada is the jewel of our production line

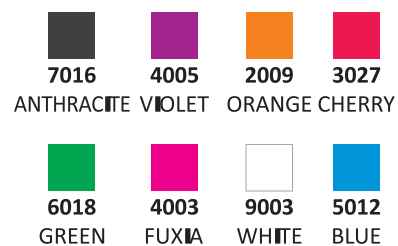
- Hot and cold mixer/shower head and foot washer
- Aluminium column, protected with anti-corrosion treatment
- Chrome accessories
- Available in a straight or curved design
- Choice of 8 colours



CODE	DESCRIPTION	DELIVERY CAPACITY 'L/M'		DIMENSIONS			WATER CAPACITY lt	PACK-ING	WEIGHT	VOLUME
		2.5 BAR	3.5 BAR	H	W	L			kg	m ³
D-320	"DADA"	7	9.5	225	14	34	40	1	22	0.34
D-420	"DADA STRAIGHT"	7	9.5	229	14	34	40	1	20	0.17

MODEL "HAPPY GO" & "JOLLY GO"

- Hot and cold mixer/shower head and foot washer
- High density polyethylene column with chrome accessories
- A great shower system for people on-the-go
- Easy to transport by car or campervan
- Easy installation. No special skills required
- Choice of 8 colours



CODE	DESCRIPTION	COLOR/FINISH	DIMENSIONS			WATER CAPACITY	PACK-ING	WEIGHT		VOL-UME
			H	W	L	lt		kg	m³	
HG-140	"HAPPY GO"	See Chart	120	29.5	27	20	1	4	0.11	
JG-140	"JOLLY GO"	See Chart	120	16.5	15.5	20	1	10	0.07	



SPRING STRAIGHT



DADA STRAIGHT



HAPPY GO



SPRING



DADA

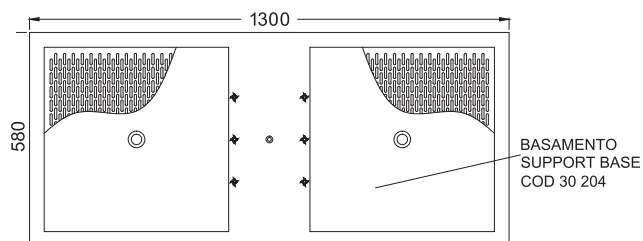
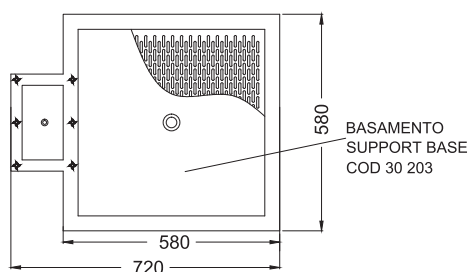
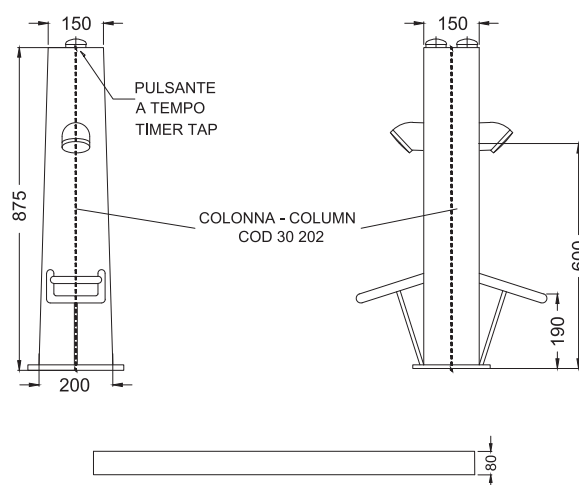
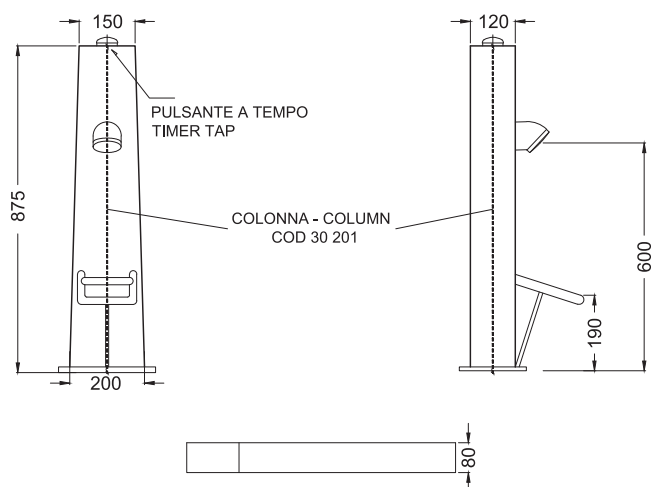
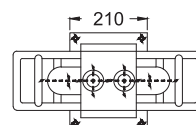
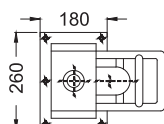


JOLLY GO



16 FOOT WASH COLUMN & BASE

- AISI-316 stainless steel column and base
- Polished mirror finish throughout
- Complete with foot rest and tap timer
- Column available in single or double
- Supporting base available in single or double

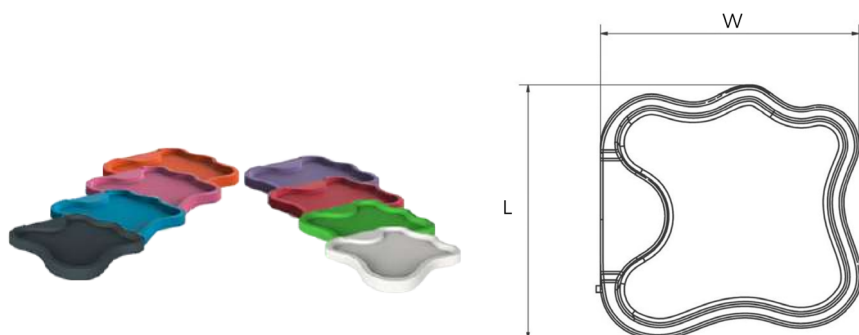


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
SH-106	Single Column	1	12	0.05
SH-107	Double Column	1	15	0.05
SH-108	Single Support Base	1	20	0.16
SH-109	Double Support Base	1	35	0.28

17 | SOLAR SHOWER BASE

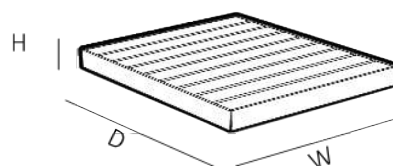
LAKE

- A unique design, inspired by nature, setting an enchanting and harmonious ambience
- Manufactured in High density polyethylene for outdoor use
- Suitable for all solar heated shower systems
- Equipped with horizontal drain
- Simple installation. No drilling or building work required
- Available in 8 colours. Additional customised colours available on request



PIATTO DOCCIA TOP D 106

- A modern, square shower base that compliments any solar heated shower
- Made of resin and suitable for outdoor use
- Equipped with horizontal drain
- Simple installation. No drilling or building work required
- Available in 1 colour: Anthracite
- Suitable for happy and jolly showers



CODE	DESCRIPTION	DIMENSIONS			PACKING	WEIGHT	VOLUME
		H	W	L		kg	m³
B-101	LAKE	9	107	103	1	16	0.127
B-102	PIATTO DOCCIA TOP D 10	6.5	80	100	1	13	0.078



COLOURS

STANDARD COLORS

	ANTHRACITE	RAL 7016	
	GREEN	RAL 6016	
	WHITE	RAL 9003	only resin
	BLUE	RAL 5002	only resin
	LIGHT BLUE	RAL 5012	only aluminium
	SAND	RAL 9001	only aluminium
	CHERRY	RAL 3027	
	FUXIA	RAL 4003	

SPECIAL COLORS WITH SUPPLEMENT

	VIOLET	RAL 4005	
	LIGHT GREEN	RAL 6018	only resin
	TURQUOISE	RAL 6033	only resin
	RUBY	RAL 3003	only resin
	DOVE GRAY	RAL 7030	only resin
	ORANGE	RAL 2009	
	INOX PAINT	RAL 9007	only aluminium
	GLOSSY RED PURPLE	RAL 3011	only aluminium
	GLOSSY JADE GREEN	RAL 6026	only aluminium
	COBALT BLUE GLOSSY	RAL 5009	only aluminium
	CUSTOM COLORS AND SPECIAL FINISHING		contact our offices

18 | LOUNGERS

Inspired by the dynamics of a body at rest, these beautiful and ergonomically designed loungers, offer serenity and well-being to all who use them. For the ultimate in comfort and relaxation, adjust the angle of inclination with a variety of optional supporting stands, including ground, indoor, outdoor and floating models to suit your individual needs and environments.

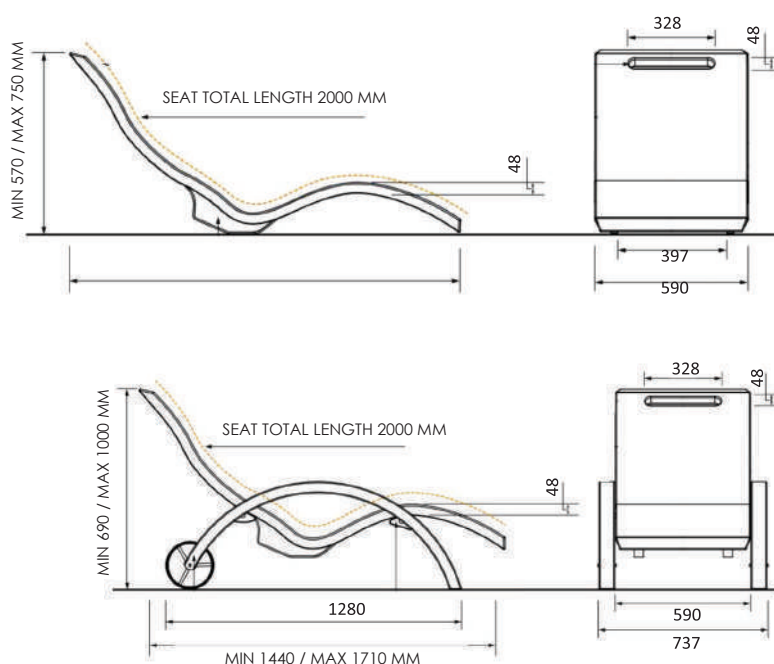
Manufactured in high density polyethylene, these loungers are highly stable, light and easy to manoeuvre and are perfect for both indoor and outdoor use, private or commercial. The seat measures 2m long and presented with a stone effect smooth surface



GROUND VERSION



OUTDOOR VERSION



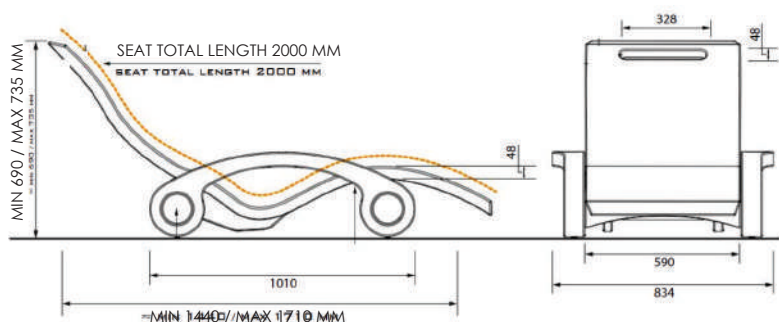
TECHNICAL DATA	GROUND VERSION	OUTDOOR VERSION	FLOATING VERSION
Surface	Stone effect	Stone effect	Stone effect
Dimensions	160/171 L X 59.7 W X 57/75 H cm	144/171 L X 73.7 W X 69/100 H cm	144/171 L X 83.4 W X 69/735 H cm
Seat length	200 CM	200 CM	200 CM
Structure	Chromed support stand	WHEELED LEG	Chromed support stand
Packing	1	2	2
Weight	14 kg	25.5 kg	25.5 kg
Volume	0.084	0.021	0.021
Material	100 % Polyethylene HD	100 % Polyethylene HD	100 % Polyethylene HD
Production	Italy	Italy	Italy
Warranty	2 Years	2 Years	2 Years



05



FLOATING VERSION



ACCESSORIES



S910



S930

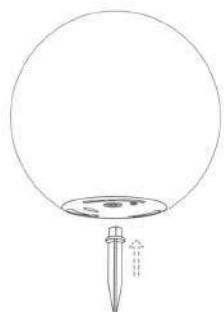


CODE	DESCRIPTIONS	PACKING	WEIGHT	VOLUME
			kg	m ³
S910	Community support for serendipity chaise lounge polyethylene chair outdoor version	1	11.40	0.084
S930	Under water support for serendipity chaise lounge polyethylene chair Floating version	1	11.40	0.084

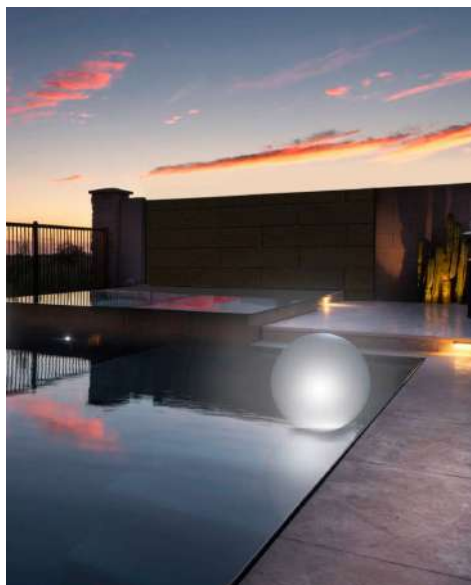
19 | LIGHTS

- Light version photovoltaic
- Floating
- LED RGB
- Colored in mass
- Realized in Resin

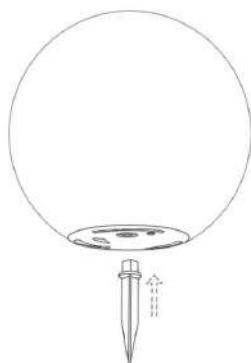
Ø
30 cm



SFRA FOTOVOLTAICA SF300



Ø
40 cm



SFRA FOTOVOLTAICA SF400



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
SF300	SFRA FOTOVOLTAICA SF300	1	1	0.068
SF400	SFRA FOTOVOLTAICA SF400	1	1	0.068



06 POOL CLEANING PRODUCTS

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01 | POOL CLEANERS

METAL POOL CLEANER

- Heavy duty aluminium bottom pool cleaner
- Includes wheels, brushes and internal ballast
- Suitable for Ø 38mm hoses



CODE	SIZE	FIXING		PACKING	WEIGHT	VOLUME
	cm	CLIP	Butterfly Nuts		kg	m³
C-102	33	•	-	4	11.7	0.060
C-103	45	•	-	4	15.5	0.071

FLEXIBLE POOL CLEANER

Features:

- Made from flexible plastic to adapt to various pool shapes and angles
- Includes wheels, brushes and fixing clips
- Suitable for Ø 38mm hoses



C-111, C112



C-111-L



C112-L

PRODUCT CODE	SIDE BRUSHES	PACKING	WEIGHT kg	VOLUME m³
C-111	WITH	12	16.1	0.05
C-111-L	WITHOUT	6	13.9	0.0541
C-112	WITHOUT	12	16.1	0.05
C-112-L	WITHOUT	6	15.5	0.069

02 | LEAF SKIMMERS

- Standard surface leaf skimmer
- Includes clip to fasten securely to handle

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-142	24	5.5	0.06

- Heavy duty surface leaf skimmer
- Includes clip to fasten securely to handle

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-143	12	6.5	0.11

- Standard, oval shaped deep leaf rake
- Includes clip to fasten securely to handle

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-144	24	6.5	0.08

- Heavy duty, rectangular shaped deep leaf rake
- Includes clip to fasten securely to handle

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-145	12	7.5	0.11





03 | BRUSHES

CURVED VACUUM BRUSH

- Material: Plastic
- Length of brush: 45cm
- Includes clip to fasten securely to Telescopic Handle



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-120	12	6	0.04

STRAIGHT WALL BRUSH

- Material: Plastic
- Length of brush: 26cm
- Includes clip to fasten securely to Telescopic Handle



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-121	24	9.6	0.03

CURVED, REINFORCED ALGAE BRUSH

- Material: Stainless steel
- Length of brush: 45cm
- Includes clip to fasten securely to Telescopic Handle



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-122	12	8	0.04

STRAIGHT WALL BRUSH

- Material: Stainless steel
- Length of brush: 25cm
- Includes fixing clip to fasten securely to Telescopic Handle



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-123	24	12	0.03

04 | SELF FLOATING HOSE

- Allows the hose to float on the surface even when it is full of water so that the cleaner can work freely around the pool
- Highly flexible for easy manual or automatic handling
- Material: EVA (Ethylene Vinyl Acetate)
- Low temperature toughness, stress-crack and UV radiation resistance
- Includes end fittings



06

CODE	HOSE	LENGTH	PACKING	WEIGHT	VOLUME
		m		kg	m ³
C-130	Ø 38	10	1	3.8	0.03
C-131	Ø 38	12	1	4.2	0.04
C-132	Ø 38	15	1	5.5	0.06
C-133	Ø 38	30	1	7.0	0.10

HOSE CUFF

Features:

- Suitable for Ø 38mm hose

CODE	HOSE	PACKING	WEIGHT	VOLUME
			kg	m ³
C-135	Ø 38	12	3	0.02



05 | TELESCOPIC HANDLES

Features:

- Telescopic handle suitable for pool cleaners, leaf skimmers and brushes
- Material: Aluminium
- Includes Fixing Clip lock for secure connection



CODE	LENGTH	PACKING	WEIGHT	VOLUME
	m		kg	m ³
C-141	1.50 (3 x 0.50)	24	8	0.02
C-137	4.80 (2 x 2.40)	20	26	0.09
C-138	9.00 (3 x 3.00)	20	30	0.11



06 | THERMOMETERS

DIGITAL THERMOMETER

Features:

- Solar powered floating thermometer
- Includes °C and Fahrenheit temperature reading



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-149	24	3	0.02

ANIMAL THERMOMETERS

Features:

- Floating thermometer
- 4 different animal shapes including fish, dolphin, duck and turtle



CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-150	48	6.5	0.02

07 | MAINTENANCE KIT

C-151

Includes :

- Flexible pool cleaner (C-112)
- Surface leaf skimmer (C-143)
- Curved brush (C-120)
- Test kit (CL-105)
- Thermometer (C-150)

C-152

Includes:

- Flexible pool cleaner
- Surface leaf skimmer
- Brush
- Thermometer
- Telescopic handle



C-151



C-152

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
C-151	1	3	0.02
C-152	1	3	0.02

08 | 'COMPACT' FLOOR CLEANER



Features:

- 24V Pool decking floor cleaner
- Foldable – Easy to transport
- Removeable battery
- Adjustable washing brush and disk
- Chlorine resistant
- Warranty: 1 year



TECHNICAL DATA	COMPACT TGB1840
Mode	Pool Deck floor
Working width	ø 40 cm
Power supply	24 V
Power/ Cleaning	400 W/ 150 rounds/min.
Battery charger/ autonomy	Included/ 35 - 45 min
Weight / Packing / Volume	34 kg / 1 / 0.50 m³
Area performance	1400 m2/h
Brushing	Nylon pad or brush
Water tanks	18/ 18 L



09 | BATTISTA

The BATTISTA is a new generation robotic swimming pool cleaner that uses suction to effectively remove dirt, hair, dead skin, leaves and other debris that sinks to the pool floor.

- 90° wall climbing ability
- Bluetooth app control for easy operation
- Perfect for all pool types including gunite, tiles, fiberglass and liner.
- Tangle-free cable allows the cleaner to operate freely around the pool
- Extra large top loading filter basket removes leaves, dirt and debris from the circulating water, leaving the pool water sparkling clean in less than 2 hours
- Interchangeable filters (fine and ultra-fine) to remove large or fine dirt and debris
- Three cleaning modes: Floor, wall and waterline
- LED lights for visual effect
- Maximum pool size: 12m x 6m
- Product dimensions: 470mm x 410mm x 255mm (Dimension in table says 225mm)
- Product weight: 10.5Kg



Controller



Double filtration filter
Basket 100µm



Cartridge 50µm



360° roller brush

TECHNICAL DATA	BATTISTA
Product dimention	470 x 410 x 225mm
Package dimention	680 x 450 x 390 mm
Product weight	10.5 kg
Package / weight / Volume	1 / 18 kgs / 0.12 m ³
Cleaning area	All - around
Filtration accuracy	≥ 100 µm
Length of floating cable	17 m
Working	10 - 35 C °
Filtration speed	14-18 m3 / h
Input voltage	200-240 V
Output voltage	24 V
Output current	5.6 A
Freaquency	50 Hz
Horse Power	150w
IP Class for controller Box	IP 54
IP Class for motor	IP 68



10 | QUICK' VAC



Lightweight and very easy to handle, the Quick Vac' has been designed to clean pools and water features without limitations in less than 15 minutes (15m x 15m pool). Runs on a 36A battery, requiring no cables or electricity during operation and is great for cleaning pools of all sizes including residential and commercial pools, paddling pools and water fountains.

- Extraordinary suction pump to promote thorough cleaning even in the hardest to reach areas
- Easily detachable (elastic) filter to collect all kinds of impurities in the water
- Telescopic handle
- Manufactured in reinforced plastic for resistance to UV, high temperatures and corrosion
- Painted aluminium trolley with battery support to provide tidy storage of the unit
- Operates in less than 15cm of water
- Transmission: Four rotating wheels to allow 360° motion
- Filtration bags for various tasks. Available in 75, 105, 250 and 1000 microns



Four 360° rotating wheels



Painted aluminium transport trolley



TECHNICAL DATA	QV 100	QV 200	QV 300
Width	40 cm	40 cm	110 cm
Suction power	40m³/h	40m³/h	40m³/h
Trolley/chassis	Painted aluminium /UNBS	Painted aluminium /UNBS	Painted aluminium /UNBS
Cable length	14m	14m	21m
Weight / packing / Volume	18 kg / 1 / 0.38m³	18 kg / 1 / 0.38m³	18 kg / 1 / 0.38m³
Weight out of water	5 kg	5 kg	7 kg
Pump	250 w	250 w	250 w
Filtration (micron)	75, 100, 250, 1000 µ	75, 100, 250, 1000 µ	75, 100, 250, 1000 µ
Filtration capacity	3 kg sand	4 kg sand	6 kg sand
Autonomy	3h	3h	3h
Power supply	Battery 12 V / Mains	Battery 12 V / Mains	Battery 12 V / Secteur
Minimum water depth	15 cm	40 cm	40 cm
HEXA-F-75	Spare filter bag 75 micron fine filtration		
HEXA-F-105	Spare filter bag 105 micron classic filtration		
HEXA-F-250	Spare filter bag 250 micron exterior filtration		
HEXA-F-1000	Spare filter bag 1000 micron reopen the pool		



11 | SPOT SQUIRREL

A high filtration cleaner suitable for pools up to 25m. Lightweight and easy to use, the Quirrel Pro ensures complete coverage of the pool surfaces and is capable of cleaning pools with feature islets. A remote control, supplied as standard, allows for precision manual manoeuvring as and when required.

Features:

- Includes self-floating cable, suitable for pools up to 25m
- Lightweight and easy to move in and out of water using its sturdy handle
- Large filter capacity offers excellent removal of small particles and larger debris
- Climbs and cleans pool walls as well as pool floors
- Includes remote control for manual navigation
- Floating battery powered model available for pools without nearby power outlets
- Twin model available for wider coverage and extra suction power



Floating battery



Mobile app navigation



Dual clean filtration bag 5 and 250 µ



With remote control shockproof manual



TECHNICAL DATA	SPOT SQUIRREL PRO 100	SPOT SQUIRREL PRO 150 XD	SPOT SQUIRREL TWIN 200
Mode	Floor and wall	Floor and wall	Floor and wall
Basin area	Up to 350 m ²	Up to 300 m ²	Up to 1250 m ²
Cleaner width	40 cm	40 cm	80 cm
Cleaning speed	10 to 15 m/min	10 to 15 m/min	10 to 15 m/min
Suction power	27 m ³ /h	27 m ³ /h	27 m ³ /h
Weight out of water / in water	8.5 kg / 1.8 kg	9 kg / 2 kg	18 kg / 5 kg
Packing / Weight / Volume	1 / 20kg / 0.38 m ³	1 / 20kg / 0.38 m ³	1 / 35kg / 0.76 m ³
Cable length	24 m	with battery	40 m
Trolley	With	With	With
Infrared	With	With	With
Remote control	With	With	With
Filtration capacity	3.1 kg	3.1 kg	5.1 kg
Power supply	110V-240 V / 24 Vdc	12 Voltes	110V-240V / 24V dc
Autonomy / Charge time	-	3H (autonomy) / 6H (charge)	-
Brush type	PVC, option PVA	PVC, option PVA	PVC, option PVA
Side brush	Optional	Optional	Optional
Depth mini / maxi	0.3m/5m	0.3m/5m	0.3m/5m
Temperature mini / maxi	43°/100° F	6°/38° F	43°/100° F



The ally for
outdoor hotel pools

12 | AUTOMATIC BALANCE TANK



- Innovative automatic cleaning device, suitable for all balance tanks
- Simple and safe to operate
- Removes all sediments and chloramine
- Chlorine resistant
- Can be permanently placed in the balance tank



TECHNICAL DATA	DARK CLEANER
Mode	Balance tank
Cleaner width	40 cm
Cleaning speed	8 m/min
Suction power	30 m³/h
Weight out of water / in water	14 kg / 2 kg
Packing/ Weight / Volume	1 / 80 kg / 1.44 m³
Cable length	16 m (supplied)
Trolley	In stainless steel (supplied)
Filtration capacity	External
IR (detection walls)	1
Power supply	110V - 240V / 12V dc

A robot dedicated to
a balance tank





13 | PEPS

"The real professional clean and scrub cleaner"

The Peps pool bottom cleaner is an extremely powerful pool cleaner with a built-in ultra powerful Ninja pump, capable of a flow rate up to 37m³/h. Easy to operate and highly efficient, the Peps cleaner uses revolutionary fast, rotating brushes, stiff bristles and super powerful suction to make it the ideal partner for any swimming pool owner.

Features:

- Extremely high strength, aluminium alloy body
- Highly robust construction to withstand regular daily use
- Very reliable and easy to maintain
- Largest filter capacity on the market (holds up to 14lbs of sand)
- Equipped with a gyroscopic controller and twin infra-red captors
- Self-learning automatic cleaning mode
- Rotation and anti-twist cable sensor
- Typical cleaning cycle: Less than 25 minutes for a pool size 15m x 10m
- Includes stainless steel trolley, 30m of cable and a remote control for automatic or manual control



TECHNICAL DATA	PEPS 200	PEPS 300
Pool length	Up to 25 m	25 to 50 m
Cleaner width	40 cm	60 cm
Cleaning speed	10 m/min	10 m/min
Suction power	37 m ³ /h	37 m ³ /h
Weight out of water / in water	14 kg / 2 kg	17 kg / 2 kg
Packing / Weight / Volume	1 / 40 kg / 1.44 m ³	1 / 40 kg / 1.44 m ³
Cable length	30 m	40 m / 30 m (in optional)
Trolley	In stainless steel	In stainless steel
Filtration capacity	4 kg sand	6 kg sand
IR (detection walls)	1	1
Power supply	110V - 240V / 12V dc	110V - 240V / 12V dc
HEXA-F-75	Spare filter bag 75 micron fine filtration	
HEXA-F-105	Spare filter bag 105 micron classic filtration	
HEXA-F-250	Spare filter bag 250 micron exterior filtration	
HEXA-F-1000	Spare filter bag 1000 micron reopen the pool	



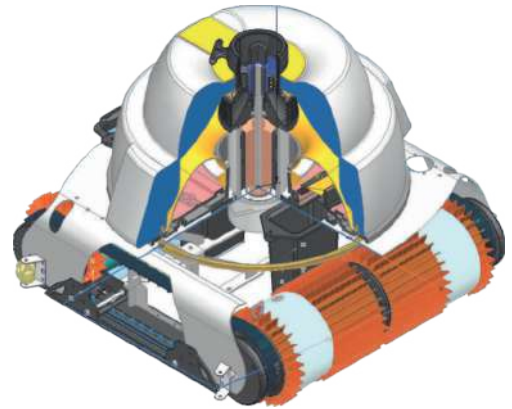
14 | CHRONO MP3



HEXAGONE VACUUM CLEANERS

“Magellan systems – the most advanced intelligent pool cleaner in the world”

20,000+ lines of code, 10,000 hours of development, almost 7,000 Megellan pool cleaners in use in 51 countries across the world.



06

CONTROLLED NAVIGATION

CONTROLLED NAVIGATION:

- 5 cleaning modes (Perhaps show the 5 illustrations below this point)
- Series gyro sensor for controlled trajectory management
- Adjustable speed options from 8 to 25m per minute
- Independently navigates slopes and curves
- Automatically calculates pool dimensions
- Floating, waterproof and shockproof remote control

POOL SHAPES

- Multi-format capabilities from the simplest pool to the most complex
- Ideal for pools from 18 to 80m3
- Maximum operating depth: 20m

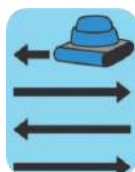
1. Ultra short cycle, Hexpresso mode



4. Long V-mode cycle



2. Short cycle on parallel pathways



5. Very long floor and sidescycle



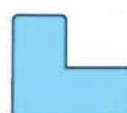
3. Classic cross- shape cycle



Whatever the shape



Rectangle



L-shape



Free-form



With obstacles

Whatever the pool floor



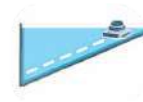
Flat



Sloping



Hopper pool



Beach-entry

Whatever the lining



Tiled



Stainless steel



Liner



Concrete



DETECTION AND SAFETY FUNCTIONS

Built-in 10 sensor and safety management system:

For wall, slope, side and virtual wall detection:



Wall detector
(infrared sensor)



Slope sensor
(angle sensor)



Virtual wall
(algorithm)



Obstacle
detection
(intensity sensor)

For trajectory management control



Controlled navigation
(Gyroscope sensor)



Speed of movement
(RPM sensor)



Straight line management
(chronometer)

For pool cleaner safety management:



Lack of water
(micro-amp sensor)



Cable anti-tangling
(rotation sensor)



Pump & motor intensity
(Hi/lo electronic sensor)

MAN VS MACHINE

- Colour and dynamic touchscreen interface - A global first!
- Choice between immediate or deferred start mode
- Multiple cleaning modes available
- Command confirmation and advice via voice speaker
- Simple pool cleaning instructions for hassle-free maintenance
- Self-diagnosis and display of potential problems
- Technical notice and log book accessibility via touchscreen
- Speed can be set by user
- Bluetooth option for system updates and connection with PC or tablet

Hexa
Connect



Bluetooth

“The best-selling public swimming pool cleaner in Europe...”

The Chrono MP3 pool cleaner is available in 3 different casing lengths, 4 cable lengths, 4 types of trolley, a choice of 4 degrees of filtration, 4 types of auto settings and 3 types of brush.



Configure your cleaner to personalise your needs and your budget.

INCREDIBLY EASY TO USE

INCREDIBLY EASY TO USE:

- To place the pool cleaner in the water, take the remote control and guide the cleaner into the pool at whatever location you desire. There is no specific starting point.
- To start, press the immediate start button or the timed start button
- To remove from the water, use the built-in handle and take hold of the device to lift out of the pool. The device only weighs 2.2kg when submerged in the water.
- Over time, parts may need replacing due to wear and tear. All parts including belts and brushes are easily replaced without the need for tools.
- For an improved customer experience, the cleaner provides verbal communication to confirm user preferences and offers simple maintenance instructions



MAXIMUM HYGIENE

With its 50m³/h turbo pump, the MP3 is capable of removing all dirt particles that accumulates on the tile floor, along the grouting and around the seals.

When the cleaner detects a wall, it will operate in an upward motion and clean the pool sides including any algae that accumulates at the foot of the wall. And thanks to its umbrella opening filter, you can avoid touching impurities to clean the filter such as hair, mucous residues, plasters, chewing gum, sand and so on.



EASY MAINTENANCE

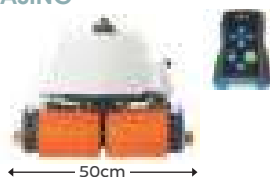
Setup is included in the purchase of the pool cleaner. Free demonstration - We will configure the vacuum cleaner for you and provide training for all pool professionals on the use and maintenance of the product. Self-diagnosis is also included in every cleaner.





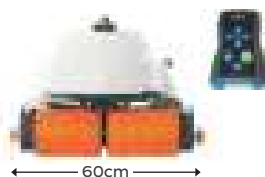
CONFIGURE YOUR CHRONO MP3

MP3 CASING



MP3 M

Suction: 50m³/h. Weight 22 kg.
Cleaning speed: 10 m/min.



MP3 L

Suction: 50m³/h. Weight 23 kg.
Cleaning speed: 12 m/min.



MP3 XL

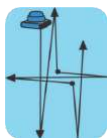
Suction: 50m³/h. Weight 24 kg.
Cleaning speed: 14 m/min.

CAMERA



Waterproof IP68 camera with
8 LEDs

AUTO MODES



Magellan Cross
1hr 30mins for 25m
4hrs for 50m



Systematic
45mins for 25m 3hrs
for 50m



V-shape
1hr 45mins for 25m 4hrs
for 50m



Floor and sides
4hrs for 25m
9hrs for 50m

CABLE

Free-floating reinforced PVC coating



25m



32m

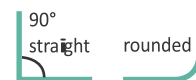


40m



50m

OPTION



Edges
90° angle - Rounded angle

TROLLEYS



Classic Includes dispenser
and 2 forks



25-32m Reel – Shared trolley
with cable reel



40-50m Reel – Shared trolley
with cable reel



Winch Trolley – Equipped
with gallows and winch

FILTERS



20 microns
- Very fine
(Algae, funguses, diatom)



75 micron
Fine (Sands, algae)



105 microns
Classic
(Sands, hair, plasters)



250 microns
For exterior debris
(Leaves, gravel)



1000 microns
Filtration for reopening
the pool (Leaves,
piercing)



2nd bare filter tray
Second filtration
option

BRUSHES

Sticky floor



PVC
• For M
• For L
• For XL

Normal floor



Mixed
• For M
• For L
• For XL

Slippery floor



PVA
• For M
• For L
• For XL

ACCESSORIES



Remote cabinet



Protective canvas



Saltwater Kit



Level-up



Depth Kit



Liner Kit





07 CHEMICAL PRODUCTS

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01 | CHLORINE



CHLORINE WITHOUT STABILIZER

PCH GRANULAR

- Chlorine shock for pool water
- Eliminates bacteria, virus, fungi and algae
- Rapidly dissolves granules with a chlorine content of around 70%
- Ideal for pools that are over stabilised
- Compatible with all types of filtration

Instructions:

Dosage rate (Shock): 1.3lb per 10,000 gallons of water (150g/10m³)

Add PCH granular for pools that do not contain any stabilised organic chlorine, such as slow dissolving chlorine tablets, fast or shock chlorine. PCH granular shall be diluted separately and poured directly in pool water while circulation/filtration pump running



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
215000050	PCH GRANULAR	5 kg	Plastic Drum	4	20	0.062
215000250	PCH GRANULAR	25 kg	Plastic Drum	1	20	0.033

LIQUID CHLORINE

- Based on sodium hypochlorite solution
- See further automated injection systems

Instructions:

Use daily to maintain the chlorine level that you desire. It is recommended to maintain a pH value of between 7.2 and 7.4

Dosage rate:

9oz (250ml) of liquid per 2,600 gallons (10m³)

Without stabiliser agent: Use active chlorine rate 0.4 to 1.4 ppm

With stabiliser agent: Use active chlorine rate of 2 ppm

Please note: The stabiliser agent rate must be under 75 ppm but ideally should be between 30 and 50 ppm



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
242000250	Liquid Chlorine 13.5%	20 lt	Can	1	20	0.018
242100250	Liquid Chlorine 9.6%	20 lt	Can	1	20	0.018

CHLORINE STABILIZER AGENT

- Acts against the loss of chlorine disinfectant
- Slow dissolving power, ideal for use with non-stabilised chlorine in outdoor pools
- Saves between 40 and 60% of inorganic chlorine treatment such as chlorine gas, PCH and liquid chlorine

Instructions:

Dosage rate: 0.26lb (100g) per 2,600 gallons (10m³) of water. (10 ppm rate)

Add the chlorine stabiliser to the chlorine feeder or chlorine floating dispenser, but be sure there is no other product present. The filter system can remain on at all times. The recommended rate should be 30 to 50 ppm



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
195000050	Chlorine stabilizer agent	5 kg	Bucket	4	20	0.062
195000250	Chlorine stabilizer agent	25 kg	Bucket	1	25	0.033

02 | STABILIZED CHLORINE

CHLORINE GRANULAR

- Granular chlorine with 90% concentration
- Reduces chlorine loss during the day
- Reduces algae growth
- Slow dissolving granules for continuous, measured dosing

Important: Use biocides safely. Always read the label and product information before use



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
145000010	Chlorine granular 90%	1 kg	1	1	0.002
145000050	Chlorine lent granular 90%	5 kg	4	20	0.062
145000100	Chlorine granular 90%	10 kg	1	10	0.031
145000250	Chlorine lent granular 90%	25 kg	1	25	0.033

FAST CHLORINE V60

- Granular chlorine with 60% concentration
- Fast dissolving granules for a quick increase in chlorine levels
- Ideal for dosing pump injection

Instructions:

Dosage rate: 1.3 to 1.7lb per 10,000 gallons (150g/10m³). Sprinkle the granules directly onto the pool surface for fast acting treatment or pour into the skimmer. The filter system can remain on at all times.

For commercial pools: Dilute to 2% (4.5lb in a 27 gallon tank of water) and then inject by dosing pump. Treat regularly and maintain a permanent chlorine rate of 2 to 4 ppm



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
165000010	Fast chlorine V60	1 kg	1	1	0.002
165000050	Fast chlorine V60	5 kg	4	20	0.062
165000100	Fast chlorine V60	10 kg	1	10	0.031
165000250	Fast chlorine V60	25 kg	1	25	0.033

SHOCK CHORINE 20G

- 20g tablet with 50% chlorine concentration
- Fast dissolving tablets, ideal to eliminate green or cloudy water

Dosage rate: For shock treatment against algae, 7 to 10 pellets per 2,600 gallons (10m³) For quick chlorination, 1 pellet per 2,600 gallons. Chlorine level 1 ppm



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
135020010	Shock chlorine 20g	1 kg	1	1	0.002
135020050	Shock chlorine 20g	5 kg	4	20	0.062
135020100	Shock chlorine 20g	10 kg	1	10	0.031
135020250	Shock chlorine 20g	25 kg	1	20	0.033



ACTIONS CHLORINE

- 5 action chlorine treatment
- Disinfection, algae control, flocculation, PH buffer and clarifying
- Destroys algae and prevents it from reproducing
- Improved filtration by the process of flocculation
- Provides the simplest method for water maintenance



Instructions:

1 tablet 250g per 6,600 gallons (25m³) of water, placed in the feeder or floating dispenser, every 4 to 6 days. The PH level should be maintained at 7.0 to 7.4 and the stabiliser level should be kept at under 75 ppm.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
155250012	5 Action chlorine	1.25 kg	6	1.25	0.015
155250050	5 Action chlorine	5 lt	4	20	0.062
155250100	5 Action chlorine	10 kg	1	25	0.031
155250250	5 Action chlorine	25 kg	1	25	0.033

CHLORE LENT 250G

- Regular disinfection treatment to destroy all known micro-organisms including bacteria and fungus in the pool
- High chlorine content
- Slow dissolving, 250g stabilising tablets
- Compatible with all filtration systems
- Non-combustible



Instructions:

For residential pools, use 1 tablet 250g per 25m³ of water. Treat every 7 to 10 days and place in the feeder or floating dispenser. Always maintain the chlorine level between 1.5 and 2mg/l and check the stabiliser content once a month (<75mg/l).

For public/commercial pools, use a dosing pump. Maintain the chlorine level above 2mg/l. Adjust the pH level to between 7.0 and 7.4 (pH 7.2 recommended). Check the stabiliser content every week and aim for 25 to 50mg/l. Never exceed 75mg/l.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
116250012	Chlorine lent 250	1.25 kg	6	7.5	0.015
116250050	Chlorine lent 250	5 lt	4	20	0.062
116250100	Chlorine lent 250	10 kg	1	10	0.031
116250250	Chlorine lent 250	25 kg	1	25	0.033

03 | BROMINE



SLOW DISSOLVING BROMINE

- Excellent disinfection regardless of the water pH
- Ideal for spas, whirlpools and other hot water systems
- Slow dissolving 20g tablets
- Destroys bacteria, viruses, fungi and algae

Instructions:

With Brominator – Essential for slow and constant scattering. Fill the feeder completely with Brome Lent tablets and top up as and when dissolved. Adjust the bromine flow rate to 1 to 2 ppm for pools; and 2 to 3 ppm for whirlpools.

Shock reactivating treatment – It is recommended to treat the water twice a month or if the water is green or cloudy. Brome choc reacts to the bromine salts for enhanced disinfection at 0.45lb (200g) per 2,600 gallons (10m³) of water. Add tablets directly to the pool without any skimmer.

Without Brominator – Place the bromine tablets into a feeder or floating dispenser. Make sure not other product is in contact.

Dosage rate: 12 tablets per 6,600 gallons (25m³) of water, every 4 to 7 days. Adjust the bromine rate to 1 or 2 ppm for pools; and 2 to 3 ppm for whirlpools. Avoid a pH below 7.2



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
315020010	5 Action chlorine	1 kg	Bucket	4	20	0.008
315020050	5 Action chlorine	5 kg	Bucket	4	20	0.062

SHOCK REACTIVATING POWDER

Use biocides safely. Always read the label and product information before use.



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
325001050	Shock reactivating powder	5 kg	Bucket	4	20	0.062

04 | DISINFECTANT WITH ACTIVE OXYGEN



- All-in-one formula with active oxygen for increased strength
- Multi-function chlorine treatment for easier maintenance
- Ideal for weekly shock treatment
- Controls stabiliser levels according to chlorine / oxygen distribution

Instructions:

1 500g tablet per 10,000 gallons (40m³) of water. Place in the feeder or floating dispenser and treat every 7 to 10 days.



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
175500045	Chlorine strengthened with active oxygen	4.5 kg	Bucket	4	18	0.058



05 | NEUTRALIZER



NEUTRALIZER

- De-activates chlorine or bromine in the pool
- Works instantly

Instructions:

To deactivate chlorine, use 2.5 ppm of neutraliser to reduce chlorine level by 1 ppm

To deactivate bromine, use 2 ppm of neutraliser to reduce bromine level by 1 ppm



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
395000040	Neutralizer Deactivation of chlorine or bromine	4 kg	Bucket	6	24	0.048

06 | SPA SPECIALISTS



ANTI FOAMING

- Liquid formula to absorb scum and unwanted surface foam from spas and whirlpools

Instructions:

Use 0.3 to 0.6 oz. (10 to 20ml) of ANTI EMULSION per 10sq ft (1m²) depending on the size of the area to be treated. It is highly recommended to identify the cause of the problem and remove it to prevent any further reoccurrence.



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
692000010	Anti-foaming	1L	Bucket	6	6	0.012

SPA DESCALING PIPELINE

- Powerful formula for descaling pipework in spas and whirlpools

Instructions:

Use 0.5 litres of formula per 1m³ of water. Pour the product directly into the operating area. Leave to work for at least 2 hours. Drain and rinse the basin thoroughly until the foam has disappeared.

Important:

If calcium deposits remain on the wall, use the product pure or diluted by 10%. Treat the stains directly, leave for 5 to 10 minutes before rinsing. Rubbing the stain with a cloth or brush may also help.

For biofilm removal – Treat with shock before using the descaling agent



CODE	DESCRIPTION	CONTENTS	CONTAINER	PACKING	WEIGHT	VOLUME
					kg	m ³
722000011	Spa descaling pipeline	1L	Bucket	6	6	0.012

07 | WATER BALANCE



PH MINUS LIQUID

- Lowers the pH value in pools and spas
- Very high concentration of active ingredient
- No chloride ions generated
- Considerable easier to use compared to the powdered product
- Recommended for automated dosing pump injection



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
512000010	Liquid PH minus	1 L	6	6	0.012
512000070	Liquid PH minus	5 L	4	20	0.062
512000140	Liquid PH minus	10 L	2	20	0.062
512000280	Liquid PH minus	20 L	1	25	0.033

PH MINUS POWDER

- Lowers the pH value in pools and spas
- Fast dissolving powder for quick results
- Compatible with all types of pool water treatment
- Safer to use compared to the concentrated liquid form

**Instructions:**

Use 0.13lb per 2,600 gallons (150g/10m³) of water to lower the pH by 0.2 units. Always adjust pH levels over time (filtration or circulation) in increments of 0.2 pH. It is highly recommended to treat at intervals of 2 hours and without bathers present.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
515000015	PH minus powder	1.5 kg	6	9	0.018
515000050	PH minus powder	5 kg	6	30	0.093
515000160	PH minus powder	16 kg	1	16	0.048
515000250	PH minus powder	25 kg	1	25	0.018

PH PLUS LIQUID

- Raises the pH value in pools and spas
- Very high concentration of active ingredient
- Recommended for automated dosing pump injection

**Instructions:**

Use 3 fl.oz. (0.1l) pH PLUS liquid per 2,600 gallons (10m³) of water to raise the pH level by 0.5. Pour directly into the pool where the outlet(s) are located to encourage maximum circulation. The filtration system can be on as normal.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
522000010	Liquid PH plus	1 L	6	6	0.012
522000070	Liquid PH plus	5 L	4	20	0.062
522000140	Liquid PH plus	10 L	2	20	0.062
522000250	Liquid PH plus	20 L	1	25	0.018

PH PLUS POWDER

- Raises the pH value in pools and spas
- Fast dissolving powder for quick results
- Compatible with all types of pool water treatment
- Safer to use compared to the concentrated liquid form



Instructions: Use 0.4lb per 2,600 gallons (200g/10m³) of water to raise the pH level by 0.5. Pour directly into the pool where the outlet(s) are located to encourage maximum circulation. The filtration system can be on as normal.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
525000010	PH plus powder	1 kg	6	6	0.012
525000050	PH plus powder	5 kg	4	20	0.062
525000100	PH plus powder	10 kg	1	20	0.062
525000250	PH plus powder	25 kg	1	25	0.033



ALCAFIX RAISES FULL ALKALINITY

- Prevents any sudden changes in pH by increasing the alkalinity of the water
- The water alkalinity is measured by the TA*
 - If TA is too low (below 100 ppm), then the balance is unstable, the pH level drops down after adding pH Minus but then raises up automatically a few hours later
 - If the TA is too high (above 300 ppm), then pH minus will lower both the TA and pH
- Completely safe to use



USEFUL INFORMATION

- pH is measured on a scale of 0 to 14
- The pH displays the H⁺ ion concentration
- For pools, we recommend a pH value of between 7.0 and 7.5 for two reasons:
 - The bathers comfort – non-irritating water to the eyes and skin
 - Highly effective disinfection

Chemical corrections pH with acidic pH MINUS or pH PLUS base, influence elements in water such as Calcium, Magnesium and minerals. These elements determine the hardness (TA) and alkalinity (TAC) and a natural balance can often be restored with the use of ALCAFIX.

Relationship: Chlorine/pH

Chlorine produces two chemical agents when dissolved in pool water:

- Sodium Hypochlorite (ClO) – Has no or very little disinfectant action
- Hypochlorous acid (HClO) – An active sanitiser in hypochlorite-based products

To the extent, permitted by regulation (pH 6.9 to 7.7) pH must be below 7.5 to benefit from the active chlorine levels.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
535000010	Alcafix raises full alkalinity	1 L	6	6	0.012
535000050	Alcafix raises full alkalinity	5 L	4	20	0.062
535000100	Alcafix raises full alkalinity	10 L	2	20	0.062
535000250	Alcafix raises full alkalinity	25 L	1	25	0.033

08 | FILTERING SUPPLY



FLOCCULANT CARTRIDGE

- Improves the performance of sand filtration systems
- Eliminates murky water by collecting suspended particles
- Suitable for all sand filter equipment

Instructions:

Add a cartridge (every 10 to 15 days) to the pump prefilter or skimmer basket after a filter wash. Suitable for 6,600 gallon (25m³) pools.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
555008010	Flocculant cartridge	1 kg / 8 cart	12	12	0.010
555008250	Flocculant cartridge	25 kg / 200 cart	1	25	0.021

LIQUID FLOCCULANT

- Eliminates cloudy water by causing small particles to clump together and sink to the bottom of the pool for vacuuming
- Ready to use and much easier than the powder form
- Effective for pool water with pH 6.9 to 7.8 levels
- Suitable for all sand filtration equipment

Instructions:**User advice for private/residential pools**

For cloudy pools or after a chlorine shock, treat the pool with 7 fl.oz. per 2,600 gallon (0.2Ltr/10m³) of water. Switch off the filter, dilute the liquid flocculant in a watering can and spread around the pool. The solution will create a grey flocculent which will cause all suspended particles to sink to the bottom of the pool. After 1/2 a day, remove the dirt and debris using a vacuum cleaner and direct it to the nearest drain. Do not allow the water to go through the filtration system. Once complete, adjust the water level to the desired level.

**User advice for commercial pools**

Liquid flocculant must be injected by a metering/dosing pump, upstream of a sand filter and over a 24 hour period. Use non-diluted liquid flocculant from the can or dilute to a maximum of 25%.

For indoor pools, use 3 to 13 fl.oz. per 260,000 gallons (0.1 to 0.4Ltr/1,000m³) of pool water and allow to circulate throughout the day.

For outdoor pools, use 6 to 26 fl.oz. per 260,000 gallons (0.2 to 0.8Ltr/1,000m³) of pool water and allow to circulate throughout the day.

CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m ³
552000010	Liquid flocculant	1 L	6	6	0.012
552000050	Liquid flocculant	5 L	4	20	0.062
552000200	Liquid flocculant	20 L	1	20	0.018



09 | SPECIALIST



METALFIX

- Curative and prevention of contamination of dissolved metals.
- Very small traces of metal can be found naturally in water including copper, iron and manganese. These metals are oxidized by disinfection treatments and cause the water to change colour. METALFIX isolates these metal ions and delays/prevents oxidation from occurring.

**Instructions:**

Pour 2.2lb of powder METALFIX per 15,000 gallons (1kg/50m3) for the first treatment. Then add METALFIX, in the same proportion, depending on the volume of the water intake.

For higher metal content above 1 ppm, double the dosing.

USEFUL INFORMATION

- pH is measured on a scale of 0 to 14
- The pH displays the H⁺ ion concentration
- For pools, we recommend a pH value of between 7.0 and 7.5 for two reasons:
 - o The bathers comfort – non-irritating water to the eyes and skin
 - o Highly effective disinfection

Chemical corrections pH with acidic pH MINUS or pH PLUS base, influence elements in water such as Calcium, Magnesium and minerals. These elements determine the hardness (TA) and alkalinity (TAC) and a natural balance can often be restored with the use of ALCALIFIX.

Relationship: Chlorine/pH

Chlorine produces two chemical agents when dissolved in pool water:

- o Sodium Hypochlorite (ClO⁻) – Has no or very little disinfectant action
- o Hypochlorous acid (HClO) – An active sanitiser in hypochlorite-based products

To the extent, permitted by regulation (pH 6.9 to 7.7) pH must be below 7.5 to benefit from the active chlorine levels.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT		VOLUME	
				kg		m ³	
585000020	Metalfix	2 kg	6	12		0.024	
585000070	Metalfix	7 kg	1	7		0.019	

ANTICAL

- Prevents inlay of dissolved minerals including limestone and metal deposits

Instructions:

For the first treatment, add 33 fl.oz. per 5,200 gallons (1Ltr/20m3) of water.

For normal maintenance treatment, add ANTICAL according to the volume of water.

For hard scale forming water, with a TH higher than 300 ppm, use double the dosage 33 fl.oz. per 2,600 gallons (1Ltr/10m3) of water.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT		VOLUME	
				kg		m ³	
572000010	ANTICAL	1 L	6	6		0.012	
572000050	ANTICAL	5 L	4	20		0.062	
572000100	ANTICAL	10 L	2	20		0.062	

10 | ANTI-ALGAE



- Destroys and prevents algae from rapidly reproducing
- Highly efficient and can be used in all pH values of treated water
- Compatible with all types of filtration

Instructions:

Instructions: Use 17 fl.oz. per 7,900 gallons (1/2Ltr /20m3) of water



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m³
632020010	QT 20 Anti-algae	1 L	6	6	0.012
632020030	QT 20 Anti-algae	3 L	8	24	0.048
632020050	QT 20 Anti-algae	5 L	4	20	0.062
632020100	QT 20 Anti-algae	10 L	2	20	0.062
632020200	QT 20 Anti-algae	20 L	1	20	0.062

JET 35 TRIPLE ACTION

- Three preventative treatments + healing in one
- Fights against algae, scale and rust stains
- Prevents lime and metal deposits
- Non-foaming, purifying and curative agent
- Can be used with any disinfection pool treatment

Instructions:

Preventative treatment before filling the pool – Before filling the pool, sprinkle all walls with JET 35, diluted at a rate of 1/10. You can also treat skimmers, overflow drains, main drains, outlets and in between tiles. It is highly recommended to leave the pool for one hour before filling the pool.

Maintenance treatment during the swimming season – Use 17 fl.oz. per 9,000 gallons (1/2Ltr / 35m3) of water, every 15 days as a preventative measure.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m³
612035010	JET 35 Anti-algae	1 L	6	6	0.012
612035030	JET 35 Anti-algae	3 L	8	24	0.048
612035050	JET 35 Anti-algae	5 L	4	20	0.062
612035100	JET 35 Anti-algae	10 L	2	20	0.062
612035200	JET 35 Anti-algae	20 L	1	20	0.018

ANTI-PHOSPHATE PRO

- Removes phosphate, thus depriving the algae of their food
- Compatible with any type of disinfection and filtration equipment
- Associates, as diluted with complimentary treatments used in pools
- Active even in unbalanced pH values. It doesn't alter the pH of the water

Instructions:

Pour ANTI-PHOSPHATE PRO directly into the pool at a rate of ¼ gallon per 15,000 gallons (50m3) of water, destroying 1.5 ppm of phosphate (1Ltr destroys 1.5 ppm). As a precaution, use 3 fl.oz. per 15,000 gallons (0.1Ltr / 50m3) of water to maintain a phosphate level of less than 0.5 ppm

What are phosphates?

Phosphates are organic material that naturally occurs in water, which feeds algae and allows it to grow. ANTI-PHOSPHATE PRO eliminates that food and in turn eliminates algae



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT	VOLUME
				kg	m³
591000010	Anti-phosphate pro	1 L	6	6	0.012
591000050	Anti-phosphate pro	5 L	4	20	0.062



11 | WALL CLEANING



POOL WALLS CLEANING EXTRA

Instructions:

Sprinkle all surfaces with water prior to treating with pure or diluted solution (1 part OVV'SOL EXTRA to 30 parts water). Leave to work for 5 to 10 minutes. Rinse thoroughly. For hard to remove stains, use a cloth or brush. For aluminium, chrome, stainless steel or enamel, scrub and rinse immediately.

Important:

OVV'SOL EXTRA is very powerful. Always check compatibility on a test surface, prior to applying with synthetic materials such as sponges and brushes, incase of damage by the acid. Use natural sponges and brushes made of natural fibres. Wear protective gloves and rinse all equipment after use.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT		VOLUME	
				kg		m³	
712000050	Pool walls cleaner	5 L	4	20		0.062	
712000100	Pool walls cleaner	10 L	2	20		0.062	
712000200	Pool walls cleaner	20 L	1	20		0.018	

NET BORD GEL

NET BORD GEL**Features:**

- Cleans and removes oil and scale from the pool water line
- Double solvent and descaling treatment against dirt
- Can be use on tile, liner and polyester pool surfaces

Instructions: Use pure NET BOARD GEL for direct application to walls that have been recently rinsed with water. Leave the solution working for 5 to 10 minutes before wiping down the dissolved dirt and rinsing thoroughly with pool water. For aluminium, chrome, stainless steel and enamel, scrub and rinse immediately.

Important: OVV'SOL EXTRA is very powerful. Always check compatibility on a test surface, prior to applying with synthetic materials such as sponges and brushes, incase of damage by the acid. Use natural sponges and brushes made of natural fibres. Wear protective gloves and rinse all equipment after use.



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT		VOLUME	
				kg		m³	
783000010	Net bord gel Pool wall cleaner	1 Kg	6	6		0.012	
783000050	Net bord gel Pool wall cleaner	5 Kg	4	20		0.062	
783000100	Net bord gel Pool wall cleaner	10 Kg	2	20		0.062	
783000250	Net bord gel Pool wall cleaner	25 Kg	1	25		0.033	

NET BORD LIQUIDE

NET BORD LIQUID**Features:**

- Cleans and removes oil and scale from the pool water line
- Can be use on tile, liner and polyester pool surfaces



CODE	DESCRIPTION	CONTENTS	PACKING	WEIGHT		VOLUME	
				kg		m³	
782000010	Net bord liquide	1 L	6	6		0.012	
782000050	Net bord liquide	5 L	4	20		0.062	
782000100	Net bord liquide	10 L	1	20		0.062	

12 | EXACT EASY DIGITAL PHOTOMETER TEST KIT

WATER-I.D.
WATER TESTING EQUIPMENT

POOL PARAMETERS

Chlorine (free combined | total) | pH value | Alkalinity (acid capacity) | Cyanuric acid (stabilizer) | Active oxygen (MPS) Bromine | Chlorine dioxide Ozone | Hydrogen peroxide | Aluminum | Ammonium | Calcium hardness Chloramine | Copper | Iron | Nitrate | Phosphate | PHMB Potassium | QUAT | Sulfate | Total hardness | Urea | Zinc

Features:

- Measure 3 parameters in parallel
- 24 pool parameters
- Bluetooth and wifi
- Large color display
- Exchangeable cuvette
- 4-Wavelengths (430-530-570-620 nm)
- IP68 Water proof
- Free Software - App - Cloud
- Tablets - Liquids - Powder Reagents

The PoolLab 2.0 is the perfect solution for water analysis of private and professional pools and spas. The fixed but exchangeable triple measurement-cuvette allows quick sampling by simply dipping the IP68 waterproof PoolLab into the water. 9 keys give direct access to the ZERO operation (only required 1 x per measurement batch) and to the 24 different pool water parameters. The PoolLab 2.0 has both Bluetooth and WiFi built-in to either actively connect to the free LabCom software and app, or to automatically synchronize data with the LabCom Cloud via WiFi in the background.

Test results are always assigned to the sampling points, individually created by the user, selectable on the display. In the LabCom software and app, one can, among other things, print reports, calculate the active chlorine content and even receive dosage recommendations based on individually entered water treatment products. Active Chlorine calculation as well as LSI index calculation is also offered via the software and app.

A free cloud service - with which Pool Lab 2.0 can automatically synchronize data via WiFi - ensures that the software and app always work with the same database.

BASIC KIT:

1x PoolLab@ 2.0 with Bluetooth® and WiFi
IP68 waterproof
1x Triple measurement cuvette (exchangeable)
1x Light protection cap
3 x Plastic stirring rod 1x 10ml syringe
3 x AA batteries
1x Printed user manual
1x Collecting bag
All in a carton box with sleeve
Free LabCOM® software/App/Cloud

PARAMETERS:

All parameters from the above shown table.

Possible future parameters can easily be imported by running an update (LabCOM® App/ Software).

REAGENTS:

20 Tablets Phenol Red
20 Tablets DPD N°1
10 Tablets DPD N°3 10 Tablets Alkalinity-M
10 Tablets CYA-Test
All tablets are Photometer grade

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
POLO2	Poollab 2.0, hand-held pool water photometer to test 24 pool parameter	1	0.78	0.003

ACCESSORIES

CODE	DESCRIPTION
POL2SP-KV	POOLLAB 2.0 REPLACEMENT CUVETTE (TRIPLE-CHAMBER)
POL2SP-LS	POOLLAB 2.0 ACCESSORIES: LIGHT SHIELD WITH 3 LIDS
POL2SP-CUVHOLD	POOLLAB 2.0 ACCESSORIES: PLASTIC SLIDER TO FIX THE CUVETTE / HOLD THE CUVETTE IN PLACE
POLSP-STR	1 X PLASTIC STIRRING ROD (10,5 CM)
POLSP-STRB	1 X BLUE PLASTIC STIRRING ROD (10,5 CM)
POLSP-STRR	1 X RED PLASTIC STIRRING ROD (10,5 CM)
POL2SP-BAG	BLUE NYLON-COLLECTING BAG WITH "POOLLAB" PRINT
POL2SP-REFKIT	POOLLAB 2.0 ACCESSORIES: REFERENCE-KIT FOR CHLORINE, PH, CYA AND TA
FW25-SHAKER	25ML SHAKER FOR NITRATE TEST
PLSP-INJFIL-1	20ML LUER LOCK SYRINGE FOR FILTER-AD
PLSP-FILTAD	ADAPTER FOR FILTER PAPERS
PLSP-FILTGFC	50X24MM GF/C FILTER PAPERS
PL02B-CARRYCASE	CARRY CASE FOR POOL LAB 2



The PoolLab 2.0 for 24 pool water parameters. With Bluetooth, WiFi and a triple Measurement cuvette

SOFTWARE AND APP



CLOUD



SCAN ME





CODE	DESCRIPTION
Active Oxygen / 0 - 30 mg/l / tablet	
TbsPD450	50 tablets DPD N° 4
Alkalinity-M / 0 - 200 mg/l	
TbsPTA50	50 tablets Alkalinity-M
Aluminium / 0 - 0.30 mg/l / tablet	
TbsHALM150	50 tablets Aluminium N° 1
TbsPALM250	50 tablets Aluminium N° 2
Ammonia (LR) / 0 - 1 mg/l / powder	
PPHAM150	50 powder-pillows Ammonia N° 1
PPPAM250	50 powder-pillows Ammonia N° 2
PPHAMsw50	50 powder-pillows Ammonia Sea-Water conditioning
Bromine / 0 - 18 mg/l / tablet	
TbsPD150	50 tablets DPD N° 1
TbsHGC50	50 tablets Glycine
Bromine / 0 - 9 mg/l / liquid	
PL30DPD1A	30ml PL DPD 1 A liquid (125 tests)
PL30DPD1B	30ml PL DPD 1 B liquid (125 tests)
PLpow20DPDNitr	20g PL DPD Nitrite powder (285 tests)
Hardness-Calcium / 0 - 500 mg/l / liquid	
" PoolLab liquid reagents kit ""Calcium Hardness""	
POL2020CH12	1 dropper-bottle of 20 ml Calcium Hardness 1 (POL20CH1)
	1 dropper-bottle plus 20ml Calcium Hardness 2 (POL20CH2)
Good for 50 tests "	
Chloramines / 0.00 - 8.00 mg/l / tablet	
TbsPD150	50 tablets DPD N° 1
TbsPD250	50 tablets DPD N° 2
TbsPD350	50 tablets DPD N° 3
Chlorine (free-combined-total) / 0.00 - 8.00 mg/l / tablet	
TbsPD150	50 tablets DPD N° 1
TbsPD350	50 tablets DPD N° 3
Chlorine (free-combined-total) / 0.00 - 8.00 mg/l / liquid	
PL30DPD1A	30ml PL DPD 1 A liquid (250 tests)
PL30DPD1B	30ml PL DPD 1 B liquid (250 tests)
PL30DPD3C	30ml PL DPD 3 C liquid (250 tests)
Chlorine (HR) 5 - 200 mg/l / tablet + powder	
PPPCIHR50	50 Powder-Pillows "Chlorine HR (KI) Photometer"
PPHAFG50	50 powder-pillows Acidifying GP
Chlorine Dioxide / 0 - 15 mg/l / tablet	
TbsPD150	50 tablets DPD N° 1
TbsHGC50	50 tablets Glycine
Chlorine Dioxide / 0 - 15 mg/l / liquid	
PL30DPD1A	30ml PL DPD 1 A liquid (250 tests)
PL30DPD1B	30ml PL DPD 1 B liquid (250 tests)
PL30DPDGlycine	30ml PL DPD Glycine (250 tests)
Copper / 0 - 5 mg/l / tablet	
TbsHCu150	50 tablets Copper N° 1
TbsPCu250	50 tablets Copper N° 2
Cyanuric Acid / 2 - 160 mg/l / tablet	
TbsPCAT50	50 tablets CYA-Test

CODE	DESCRIPTION
Hydrogen Peroxide (LR) / 0 - 3.8 mg/l / tablet	
TbsPHP50	50 tablets Hyd. Peroxide LR
Hydrogen Peroxide (HR) / 0 - 200 mg/l / tablet + powder	
TbsHAFFP50	50 tablets "Acidifying PT" Photometer
PPPHPR50	50 Powder-Pillows "Hyd. Peroxide HR Photometer"
Iron (LR) / 0 - 1 mg/l / tablet	
TbsPILR50	50 tablets Iron LR
Nitrate (HR) / 1 - 100 1 mg/l / powder	
PPHNitra150	50 powder-pillows Nitrate HR N° 1
PPPNitra250	50 powder-pillows Nitrate HR N° 2
Ozone / 0 -5.4 mg/l / tablet	
TbsPD150	50 tablets DPD N° 1
TbsPD350	50 tablets DPD N° 3
TbsHGC50	50 tablets Glycine
Ozone / 0 -5.4 mg/l / liquid	
PL30DPD1A	30ml PL DPD 1 A liquid (125/250 tests)
PL30DPD1B	30ml PL DPD 1 B liquid (125/250 tests)
PL30DPD3C	30ml PL DPD 3 C liquid (250 tests)
PL30DPDGlycine	30ml PL DPD Glycine (250 tests)
pH-value (MR) / 6.5 - 8.4 / tablet	
TbsPpH50	50 tablets Phenol Red
pH-value (MR) / 6.5 - 8.4 / liquid	
PL65PhenRed	65ml PL pH 6.4-8.4 (270 tests)
PHMB / 2 - 60 mg/l / tablet	
TbsPPB50	50 tablets PHMB
Phosphate-ortho (LR) / 0 - 4 mg/l / tablet + powder	
PPHPPLR150	50 powder-pillows Phosphate LR N° 1
TbsPPPLR250	50 tablets Phosphate LR N° 2
Phosphate-ortho (HR) / 0 - 80 mg/l / tablet + powder	
PPHPHR150	50 powder-pillows Phosphate HR N° 1
TbsPPPHR250	50 tablets Phosphate HR N° 2
Potassium / 0.7 - 12 mg/l / tablet	
TbsPPTST50	50 tablets Potassium
QAC / 25 - 150 mg/l / tablet	
PPHAFG50	50 powder-pillows Acidifying GP
TbsPQAC50	50 tablets QAC HR
Sulphate / 5 - 100 mg/l / powder	
PPPSULP50	50 powder-pillows Sulphate
Hardness Total (HR) / 0 - 500 mg/l / liquid	
PoolLab/PrimeLab liquid reagents kit "Total Hardness"	
POL2010TH12	1 dropper-bottle of 20 ml Total Hardness 1 (POL20TH1)
	1 dropper-bottle plus 10ml Total Hardness 2 (POL20TH2)
Good for 50 tests	
Urea / 0.1 - 2.5 mg/l / tablet + liquid	
POL4Urea1	4ml PL Urea 1 (50 tests) Urea Photometer
POL2Urea2	2ml PL Urea 2 (50 tests) Urea Photometer
PPHAM150	50 powder-pillows Ammonia N° 1
PPPAM250	50 powder-pillows Ammonia N° 2
Zinc / 0 - 1 mg/l / tablet	
TbsPCZ50	50 tablets Copper/Zinc LR
AQUA	50 tablets EDTA
TbsHDC50	50 tablets DECHLOR

PARAMETER	TABLET-METHOD	LIQUID-METHOD	PARAMETER	TABLET-METHOD	LIQUID-METHOD
Aktive Oxygen (MPS)	0.00-30.0 mg/l (ppm)*	-	Iron LR	0.00 -1.00 mg/l (ppm)*	-
Alkalinity	0-200 mg/l (ppm)	-	Nitrate	1-100 mg/l (ppm)*	-
Aluminum	0.00-0.30 mg/l (ppm)*	-	Ozone	0.00 -5.40 mg/l (ppm)**	0.00-2.70 mg/l (ppm)* **
Ammonia	0.00-1.20 mg/l (ppm)*	-	pH	6.50-8.40 pH	6.50-8.40 pH*
Bromine	0.00-18.0 mg/l (ppm)**	0.00-9.00 mg/l (ppm)* **	PHMB	5-60 mg/l (ppm)*	-
Calcium Hardness	-	0-500 mg/l (ppm)*	Phosphate (LR)	0.00 -4.00 mg/l (ppm)*	-
Chloramines	0.00-8.00 mg/l (ppm)*	-	Phosphate (LR)	0-80 mg/l (ppm)*	-
Chlorine (fCl CCl tCl)	0.00-8.00 mg/l (ppm)	0.00-4.00 mg/l (ppm)	Potassium	0.70-12.0 mg/l (ppm)**	-
Chlorine (HR)	5-200 mg/l (ppm)*	-	QUAT	25-150 mg/l (ppm)*	-
Chlorine dioxide	0.00-15.0 mg/l (ppm)**	0.00-7.50 mg/l (ppm)**	Sulphate	5-100 mg/l (ppm)*	0-500 mg/l (ppm)*
Copper	0.00-5.00 mg/l (ppm)*	-	Total Hardness	-	-
Cyanuric Acid	0-160 mg/l (ppm)	-	Urea	0.10-2.50 mg/l (ppm)*	-
Hyd. Peroxide (LR)	0.00-2.90 mg/l (ppm)**	-	Zinc	0.00-1.00 mg/l (ppm)*	-
Hyd. Peroxide (HR)	0-200 mg/l (ppm)*	-			

*Reagents not included in the basic kit

**Requires glycine tablets if chlorine is present in the sample water

. Glycine tablets are not included in the basic kit.

13 | CHLORINE AND PH TEST KIT

- Supplied in a convenient case
- Liquid agents for simple management of chlorine and pH values in pools



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CL-105	Chlorine and ph test kit	72	11.5	0.03
CL-106	Test kit refill bottle	144	8.0	0.017

14 | POOL-TEST STRIPS

- Test for free chlorine, total alkalinity and pH values
- Includes 50 test strips



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CL-107	Pool-tester cl-ph & Ta	1	0.10	0.00016

A couple is seen from behind, relaxing in an infinity pool that overlooks a vast, calm ocean under a clear sky. The pool's edge is perfectly aligned with the horizon, creating a seamless transition between the pool water and the sea. The water in the pool is a vibrant blue, with gentle ripples reflecting the light. The couple is positioned in the middle ground, their heads and shoulders above water. The overall atmosphere is serene and luxurious.

08 CHEMICAL DOSING EQUIPMENTS

INDEX



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01 | PERISTALTIC DOSING PUMP

TEC - POOL

✓ Technical features

Context of use:

- For private pools with a volume up to 200m³
- For timed dosing of chlorine or other liquid disinfectants

Description:

- Digital peristaltic pump for dosing chemicals in pools (chlorine, Hydrogen peroxide, flocculant, anti-algae)
- Relay or cycle mode programmable functioning
- Inhibit input with specific cable to activate dosing (to be connected to circulation pump)
- The pump includes a kit and accessories for correct installation (collar excluded)

Technical features:

- Power supply: standard 230V AC 50Hz/60Hz
- Absorption: 15W (max)
- Level inputs: standard
- Inhibit input: 230V AC to activate and allow dosing (circulation pump)
- Switch: on/off/prime

Standards:

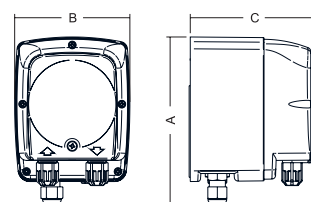
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 250mm x H 145mm x W 265mm



Dimensions



Q Models

CODE	POWER	FLOW RATE l/h	PRESSURE bar	WATT	PIPE	PACKING	WEIGHT kg	VOLUME m ³
ADT100401001W000	100 ÷ 240 VAC	4	1	7	SANTOPRENE	1	1.6	0.0053
ADT100601001W000	100 ÷ 240 VAC	6	1	7	SANTOPRENE	1	1.6	0.0053

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDP0005	Installation kit TEC-POOL	

SIMPOOL-AUTOMATIC

✓ Technical features

Context of use:

- For private pools with a volume up to 200m³
- For automatic dosing of hydrogen peroxide or other liquid substances, upon activation of the circulation pump

Description:

- Digital peristaltic pump for automatic dosing of chemicals in pools (chlorine, hydrogen peroxide, flocculant, anti-algae) by simply setting the water volume, operating times and product dosing requirements
- Daily operation by flow sensor or inhibit input with specific cable to activate and allow the dosing (to be connected to circulation pump)
- The pump includes a kit and accessories for correct installation (collar excluded)
- Overdose signalling and correction under dosages

Technical features:

- Power supply: standard 230V AC 50Hz/60Hz
- Absorption: 15W (max)
- Level inputs: standard
- Inhibit inputs: 230V AC to activate and allow dosing (circulation pump) or flow sensor
- Switch: on/off/prime

Standards:

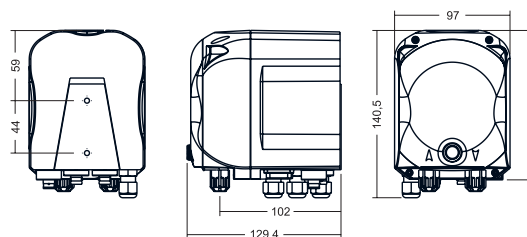
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 250mm x H 145mm x W 265mm



Dimensions



Q Models

CODE	POWER	FLOW RATE l/h	PRESSURE bar	WATT	PIPE	PACKING	WEIGHT kg	VOLUME m ³
ADS3002010000000	230 VAC	1.4	1	10	SANTOPRENE	1	2.33	0.0096
ADS3001010000000	230 VAC	3	1	10	SANTOPRENE	1	2.33	0.0096
ADS3003010000000	230 VAC	6	1	10	SANTOPRENE	1	2.33	0.0096

INSTALLATION KIT

CODE	DESCRIPTION					
KITPDP0203	Installation kit Simpool AUTOMATIC					



SIMPOOL TIMER

✓ Technical features

Context of use:

- For private pools with a volume up to 200m³
- For timed dosing of chlorine or other liquid disinfectants

Description:

- Digital peristaltic pump with built-in timer for dosing chemicals in pools
- Daily and weekly programmable settings
- Ideal for the dosing of chlorine, hydrogen peroxide, flocculant and anti-algae
- Inhibit input to allow the dosing but can be deactivated if required
- The pump includes a kit and accessories for correct installation (collar excluded)

Technical features:

- Power supply: standard 230V AC 50Hz/60Hz
- Absorption: 15W (max)
- Level inputs: standard
- Inhibit inputs: 230V AC to activate and allow the dosing (circulation pump)
- Switch: on/off/prime

Standards:

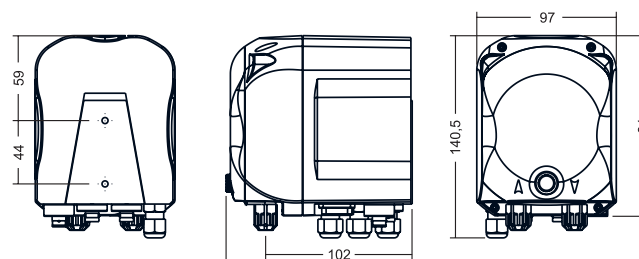
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 250mm x H 145mm x W 265mm



Dimensions



Q Models

CODE	POWER	FLOW RATE l/h	PRESSURE bar	WATT	PIPE	PACKING	WEIGHT kg	VOLUME m ³
ADD80030100C0000	230 VAC	3	1	10	SANTOPRENE	1	2.33	0.0096

INSTALLATION KIT

CODE	DESCRIPTION					
KITPDP0203	Installation kit Simpool AUTOMATIC					

SIMPOOL PH

✓ Technical features

Context of use:

- For private pools up to 200m³
- For dosing acid or alkaline corrector with the built-in pH tool

Description:

- Digital peristaltic pump with built-in pH instrument
- Easy, precise and flexible use
- Continuous digital display even without circulation flow
- Flow presence/absence control through a connection to the circulation pump (Inhibit)
- Level probe compatible
- The kit includes: pH electrode, 4m suction/injection pipe, 2 pH buffer solutions to calibrate the electrode, wall fixing bracket and dowels, 2-in-1 electrode holder collar and product injection, suitable for DN50-63
- ADPSTC pipes, foot filter.
- Upon request, the compatible temperature-reading version is available (temperature probe not included).

Technical features:

- Power supply: standard 230V AC 50Hz/60Hz
- Absorption: 15W (max)
- Level inputs: standard
- Inhibit inputs: 230V AC to activate and allow dosing (circulation pump)
- Switch: on/off/prime

LIGHT MODEL

- Range: 0-14pH (Adjustable range alarm)
- Pause mode

PRO MODEL

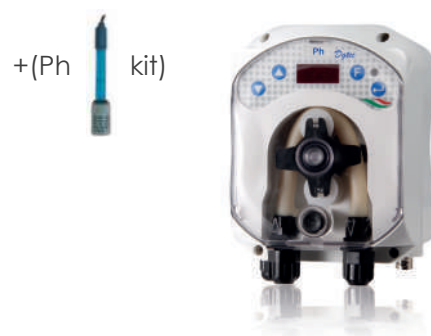
- Reduced Range: 5-9pH (specific for swimming pool use)
- Temperature probe connection*
- Range/maintenance/OFA/temperature alarm
- Statistics: Average pH measurement
- Buzzer

STANDARDS:

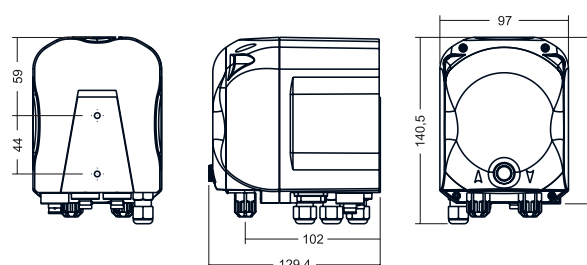
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 250mm x H 145mm x W 265mm



Dimensions



Q Models

CODE	MODEL	POWER SUPPLY	FLOW RATE	PRESSURE	WATT	PIPE	PACK-ING	WEIGHT	VOLUME
			l/h	bar				kg	m ³
ADS100301000A000	SIMPOOL LIGHT pH	230 VAC	3	1	15	SANTOPRENE	1	2.33	0.0096
ADD300301000A000	SIMPOOL PRO pH-Temp*	230 VAC	3	1	15	SANTOPRENE	1	2.33	0.0096

INSTALLATION KIT

CODE	DESCRIPTION							
KITPDP0201	Installation kit Simpool PH							



SIMPOOL RX

Technical features

Context of use:

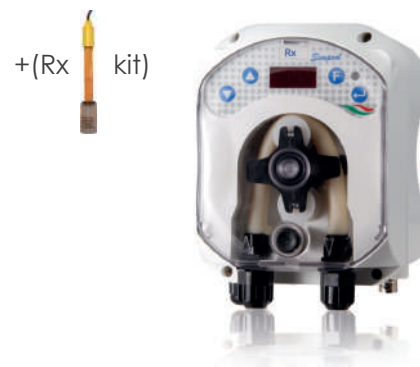
- For private pools with a volume up to 200m³
- For timed dosing of chlorine or other liquid disinfectants
- Depending on the RX potential read through the built-in tool

Description:

- Digital peristaltic pump with built-in Rx instrument
- Ideal for the proportional dosing of chlorine and other disinfectants in the pool
- Easy, precise and flexible use
- Continuous digital display even without circulation flow
- Flow presence/absence control through a connection to the circulation pump (Inhibit)
- Level probe compatible

The kit includes:

Rx electrode, 4m suction/injection pipe, 475 mV buffer solution to calibrate the electrode, wall fixing bracket and dowels, 2-in-1 electrode holder collar and product injection, suitable for DN50-63 ADPSTC pipes, foot filter.



Dimensions

Technical Features:

- Power supply: standard 230V AC
- Absorption: 15W (max)
- Level inputs: standard
- Inhibit inputs: 230V AC to activate and allow dosing (circulation pump)
- Switch: on/off/prime
- Probe type: Rx electrode

LIGHT MODEL

- Range: 0-999 mV (Adjustable range alarm)
- Pause mode

PRO MODEL

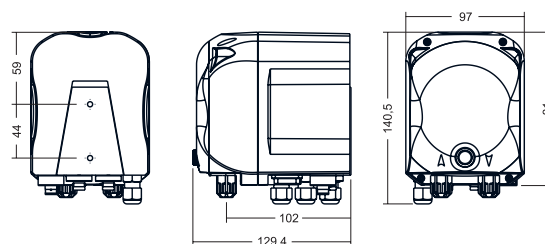
- Reduced Range 500-900 mV (specific for swimming pool use)
- Range/maintenance/ OFA/alarm
- Statistics: Average mV measurement
- Buzzer

STANDARDS:

- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 250mm x H 145mm x W 265mm



Models

CODE	MODEL	POWER SUPPLY	FLOW RATE	PRESSURE	WATT	PIPE	PACKING	WEIGHT	VOLUME
			l/h	bar				kg	m ³
ADS200301000A000	SIMPOOL LIGHT Rx	230 VAC	3	1	15	SANTOPRENE	1	2.33	0.0096
ADD200301000A000	SIMPOOL PRO Rx	230 VAC	3	1	15	SANTOPRENE	1	2.33	0.0096

INSTALLATION KIT

CODE	DESCRIPTION										
KITDP0202	Installation kit Simpool RX										

SIMPOOL PH

OPTIONAL

CODE	DESCRIPTION
ADSLG4	Low level probe with BNC



CODE	MODEL	SIZE (Ø X H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 x 800	200 L



CODE	MODEL	DN	CONN
ADSP6000111	Threaded T collar for pipes	50	G½"
ADSP6000113	Threaded T collar for pipes	63	G½"



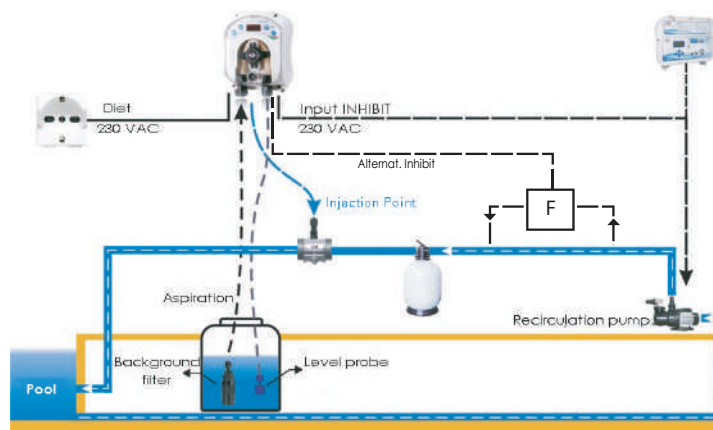
CODE	MODEL
ADSTS100N	PT100 Temperature probe



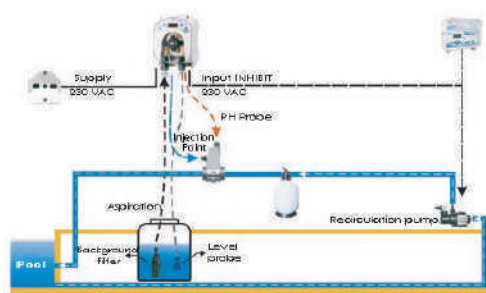
CODE	MODEL
ADSP3600004	Filter module + flow sensor



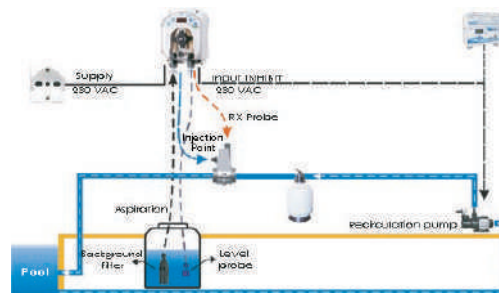
INSTALLATION EXAMPLE- AUTOMATIC / TIMER



INSTALLATION EXAMPLE-PH



INSTALLATION EXAMPLE-RX





TECHNOPOOL 2 PH-RX

✓ Technical features

Context of use:

- For private pools with double built-in pH and Rx tools
- Suitable for the dosing of acid/alkaline correctors depending on the pH reading, and for the dosing of chlorine or other disinfectants depending on the Rx potential reading.

Description:

- Double peristaltic pump with pH and Rx built-in instruments to measure and adjust pH and Redox potential
- Proportional dosing capabilities
- Display with digital controls
- Measurement range: 5-9 pH, 0-999 mV
- Acoustic alarms
- Password protection
- Power supply: 220-230V 50/60Hz

Supplied with installation kit and equipment for correct installation, including:

- Suction/injection pipe
- Wall fixing bracket and dowels
- pH and Rx electrodes
- No.2 2-1 Probe holder with injection valve for tube DN50-63
- Injection valves
- Foot filters (2x), compatible with level probes and flow and temperature probes

Standards:

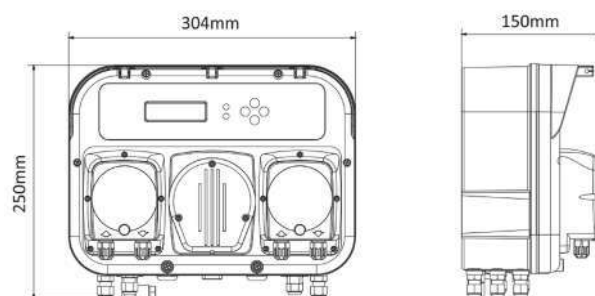
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 390mm x H 445mm x W 165mm



Dimensions



Q Models

CODE	MODEL	POWER SUPPLY	FLOW RATE	PRESSURE	WATT	PIPE	PACKING	WEIGHT	VOLUME
			l/h	bar				kg	m³
AD0T00G0T000A100	PDP Technopool 2 PH-RX	230 VAC	1.4/3	1	12	4 X 6	1	3.5	0.0096

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDP0300	Installation kit Technopool 2 PH-RX	

TECHNOPOOL 3

✓ Technical features

Context of use:

- For private pools with multifunctional built-in tools, including pH, temperature and Rx (upon request) Suitable for the dosing of acid/alkaline corrector, depending on the pH reading, the timed dosing of disinfectant (Hydrogen peroxide) and the water temperature.
- Also available with built-in Rx potential reading tool, for a proportional dosing of chlorine

Description:

- Triple peristaltic pump with built-in timer and pH, Temperature and Redox instruments (T-pH-Rx model only).
- Acid/Alkaline corrector proportional dosing
- Timed dosing of 1-2 disinfectant products whose quantity is compensated depending on the temperature
- Disinfectant dosing proportioned to the Redox potential (T-pH-Rx model only)
- Display with digital controls
- Acoustic alarms
- Password protection
- Level probes compatible
- Flow sensor
- Connection to the circulation pump to allow the dosing (V1)
- Measurement range: 5-9 pH, 0-999 mV.
- Power supply 220-230V 50/60Hz

Supplied with installation kit and equipment for correct installation, including:

- Suction/injection pipe
- Wall fixing bracket and dowels
- pH, temperature and Rx electrodes (Rx model only)
- Buffer solutions
- Probe holder collars
- Injection valves
- Foot filters
- Compatible with level probes and flow and temperature probe

Standards:

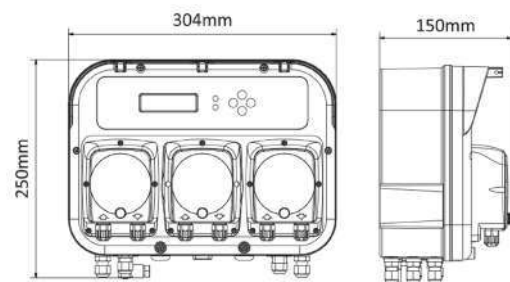
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 390mm x H 445mm x W 165mm



Dimensions



Q Models

CODE	MODEL	PROBES	FLOW RATE	PRESSURE	WATT	PIPE	PACKING	WEIGHT	VOLUME
			l/h	bar				kg	m³
AD5000G0G000A100	T-PH-T	TEMP. - pH	1.4 - 1.4 - 1.4	1 - 1 - 1	25	4 x 6	1	4.33	0.028
AD4600G0G000A100	T-PH-RX	TEMP. - pH - Rx	1.4 - 1.4 - 1.4	1 - 1 - 1	25	4 x 6	1	4.33	0.028

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDP0301	Installation kit Technopool 3	



OPTIONAL

CODE	DESCRIPTION
ADSLG	Level probe with connector (optional)



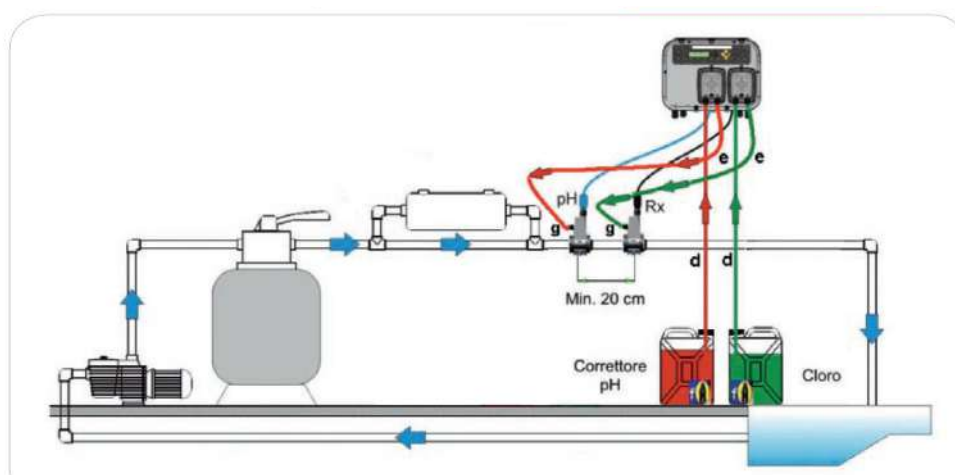
CODE	MODEL	SIZE (Ø X H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 x 800	200 L
ADTANK030	PE tank	710 x 890	300 L



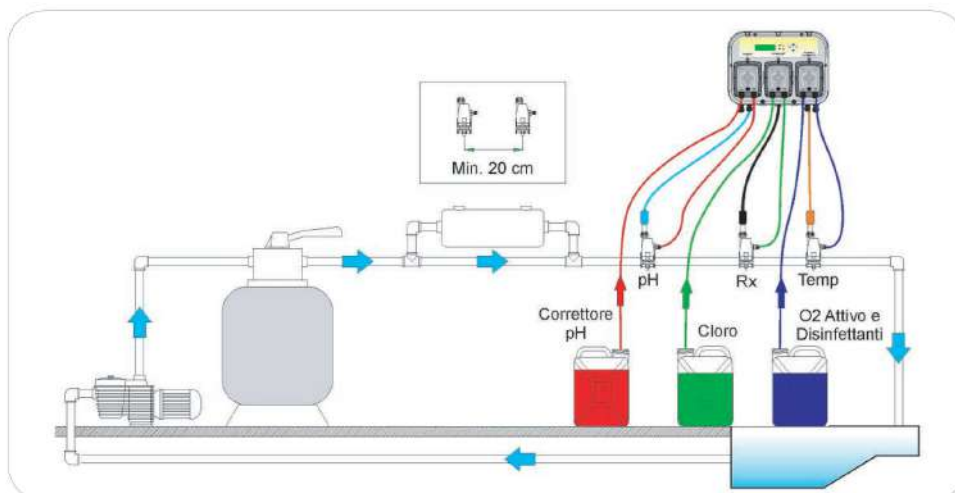
CODE	MODEL
ADSTS100N	PT100 Temperature probe



INSTALLATION EXAMPLE - TECHNOPOOL 3



INSTALLATION EXAMPLE - TECHNOPOOL 3



02 | SOLENOID DRIVEN DOSING PUMPS

HC 151 + CST

✓ Technical features

Context of use:

- For private pools requiring regular dosing of acid/alkaline corrector, chlorine or other disinfectants

Description:

- Analogic solenoid driven dosing pump
- Constant dosing mode.
- Reinforced PP housing, suitable for aggressive working environment
- Strokes frequency percentage setting
- Flow rate setting: 0-100% or from 0-20%
- Power supply range: 100-240V AC, 50/60Hz
- Protection rating: IP65
- Wall mounting bracket supplied with installation kit

Working mode:

- Constant flow-rate On/Off mode (flow rate in %)
- 3 different selectable performance mode setup

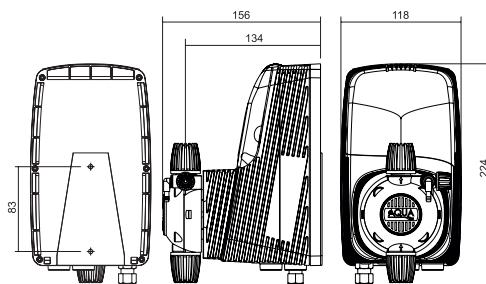
Package dimensions:

- L 405mm x H 270mm x W 515mm

	STANDARD VERSION
Pump body	PP
Pump housing	PP
Diaphragm	PTFE
Balls	PYREX
Body valves	PP
O-rings	Viton®
Spring loaded injection valve	Hastelloy/Pyrex
Foot valve	PP
Power supply	110Vac - 60Hz / 240 / Vac -50 Hz



Dimensions



Q Models

CODE	SOLENOID	TYPE	FLOW RATE	PRESSURE	STROKES	STROKE VOLUME	CONSUMPTION	PACKING	WEIGHT	VOLUME
			l/h	bar						
ADA1001201000	M60	A	1	7	100	0.17	14	1	3	0.016
			5	1		0.83				
		B	3	7	150	1.5				
			9	1		0.92				
		C	5.5	6	180	1.67				
			10	1		1.3				
ADA1002201000	M60	A	1.8	20	75	0.4	16	1	3	0.016
			4	1		0.89				
		B	4	12	120	0.56				
			7	1		0.97				
		C	5.8	9	180	0.83				
			14	1		1.3				

INSTALLATION KIT

CODE	DESCRIPTION						
ADSP000000000	Installation kit HC151 CST installation kit						



HC 151 + PH-RX

✓ Technical features

Context of use:

- For private and public pools
- For dosing with acid/alkaline corrector, chlorine or other disinfectants, with the built-in tool for pH or RX Digital

Description:

- Digital electromagnetic dosing pump with integrated instrument for pH or Rx control (ORP)
- Setting for constant or proportional dosage
- Reinforced PP housing, suitable for aggressive working environments
- Inputs: level probe, inhibit, proximity sensor
- Relay output for dosage or alarm signal (optional)
- Selectable language and unit of measure
- 132 x 56 pixel graphic display
- Simplified menu access via encoder
- Wall mounting with wall fixing bracket included in the installation kit
- Protection rating: IP65
- Standard power supply: 100-240V AC, 50/60Hz

Functionality:

- Assisted calibration of the measurement probe
- pH or Redox measurement (ORP) selectable by programming
- Selectable dosage mode between acid and alkaline (pH) and direct and reverse (Rx ORP)
- Overdose alarms (OFA)
- Verification of electrode quality
- Programming delay intervention of the level probe
- Choose the desired performance between 3 different models

Package dimensions:

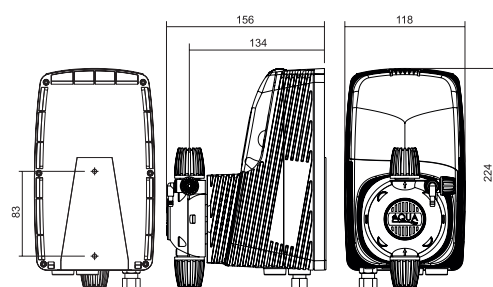
- L 192mm x H 160mm x W 250mm

Standards:

- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'



Dimensions



TECHNICAL FEATURES:

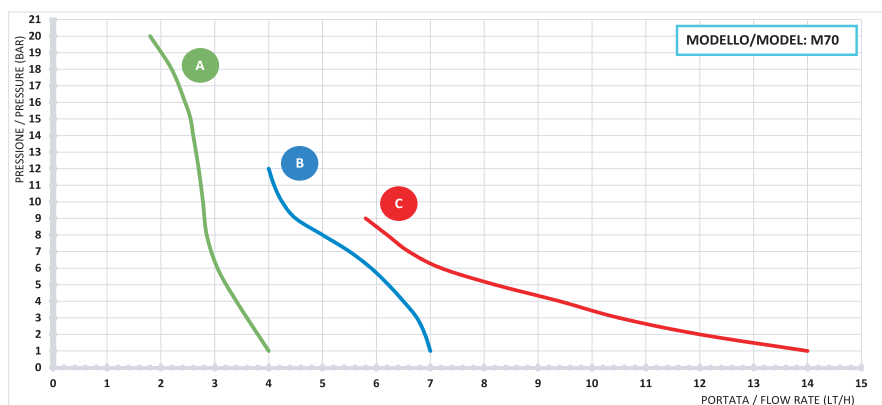
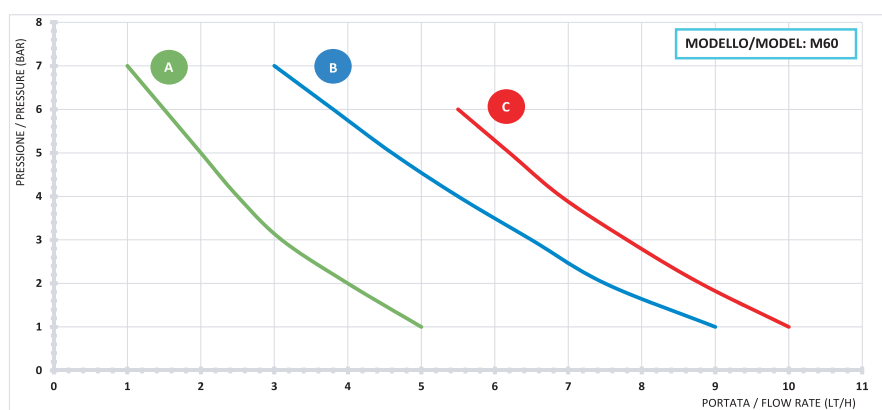
	STANDARD VERSION
Pump Head	PVDF
Pump housing	PP
Diaphragm	PTFE
Ball Check Valves	CE
Body valves	PVDF
O-rings	Viton®
Spring loaded injection valve	PVDF - Hastelloy - PTFE
Foot valve	PVDF
Power supply	110Vac - 60Hz / 240 /Vac -50 Hz

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDE0100	Installation kit PDE HC151+ PH	
KITPDE0101	Installation kit PDE HC151+ RX	

CODE	KIT	SOLENOID	TYPE	FLOW RATE	PRESSURE	STROKES	STROKE VOLUME	CONSUMPTION	PACKING	WEIGHT	VOLUME
				l/h	bar	N/MIN	ml/stroke	WATT		kg	m³
ADA13013A2001	PH	M60	A	1	7	100	0.17	14	1	3	0.016
				5	1		0.83				
			B	3	7	150	0.5				
				9	1		1.5				
			C	5.5	6	180	0.92				
				10	1		1.67				
ADA13023A2001	PH	M70	A	1.8	20	75	0.4	16	1	3	0.016
				4	1		0.89				
			B	4	12	120	0.56				
				7	1		0.97				
			C	5.8	9	180	0.83				
				14	1		1.3				
ADA13013A2002	RX	M60	A	1	7	100	0.17	14	1	3	0.016
				5	1		0.83				
			B	3	7	150	0.5				
				9	1		1.5				
			C	5.5	6	180	0.92				
				10	1		1.67				
ADA13023A2002	RX	M70	A	1.8	20	75	0.4	16	1	3	0.016
				4	1		0.89				
			B	4	12	120	0.56				
				7	1		0.97				
			C	5.8	9	180	0.83				
				14	1		1.3				

FLOW - PRESSURE CURVES





OPTIONAL

CODE	POWER
ADSLG4	Low level probe with BNC



CODE	MODEL
ADBAS100	Horizontal mounting bracket



CODE	MODEL	SEALING	HEIGHTS	CONNECTOR	CONNECTIONS	TANKS
ADLASM10B0	Sunction lance	GL-VT	115-600	BNC	4X6	60-100 L
ADLASM30B0	Sunction lance	GL-VT	115-840	BNC	4X6	200-300 L



CODE	MODEL	DN	CONN
ADSP6000111	Threaded T collar for pipes	50	G½"
ADSP6000113	Threaded T collar for pipes	63	G½"



CODE	MODEL	SIZE (Ø X H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 X 800	200 L
ADTANK030	PE tank	710 X 890	300 L



03 | PRE-ASSEMBLED PANELS

A-TECHNOPOOL
SYSTEM PH-RX

✓ Technical features

Includes:

- Twin peristaltic pump TECHNOPOOL pH-Rx
- Modular probe holder with pre-filter
- Check valve
- Flow sensor
- pH electrode
- Rx electrode
- pH and Rx & buffer solutions
- 2 Level probes

Standards:

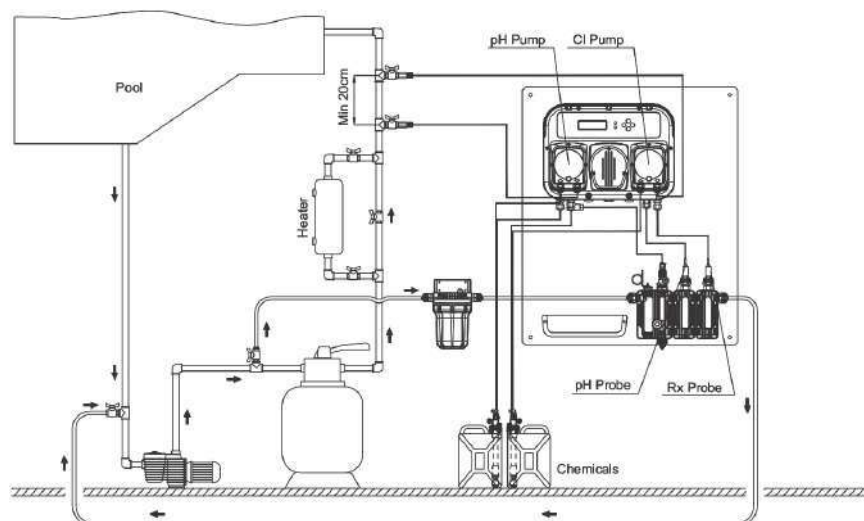
- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 500mm x H 600mm x W 200mm



INSTALLATION EXAMPLE



Q Models

CODE	FLOW RATE	PRESSURE	WATT	TUBE	DIMENSION	PACKING	WEIGHT	VOLUME
	l/h	bar			mm		kg	m ³
ADPSP01	1.5 - 3	1 - 1	12	4 x 6	500 x 600 x 200	1	7	0.1

INSTALLATION KIT

CODE	DESCRIPTION								
KITPDP0302	Installation kit Technopool system PH-RX								



A-POOL SYSTEM PH-RX/CL/CLJX2X44MT

✓ Technical features

Includes:

- 1 AQUAPOOL PVDF-PTFE-VT pump
- Modular probe holder
- Check valve and flow sensor
- pH electrode
- RX/PT-CU/A-J electrode
- Buffer Solutions
- 2 level probes
- Available upon request connect version;
- Relay output for additional chlorine pump or alarm

Standards:

- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT Low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 660mm x H 560mm x W 270mm



CODE	STANDARD VERSION
Pump Head	PVDF
Diaphragm	PTFE
Balls check valves	PTFE
Valve fitting	PVDF
Seals / O-rings	Viton®
Injection fitting	PVDF
Foot Valve	PVDF

A-POOL SYSTEM PH-RX

CODE	FLOW RATE			WATT	TUBE	SUITABLE FOR POOLS UP TO		DIMENSION mm	PACKING	WEIGHT kg	VOLUME m³
	1/h (2 bar)	1/h (4 bar)	1/h (5 bar)			Indoor	Outdoor				
ADPS105	2.5 - 2.5	2 - 2	1.5 - 1.5	35	4 x 6	80 mc	50 mc	500 x 600 x 200	1	10	0.1
ADPS100	7 - 7	6 - 6	5 - 5	35	4 x 6	300 mc	200 mc	500 x 600 x 200	1	10	0.1
ADPS101	12 - 12	10 - 10	8 - 8	35	4 x 6	500 mc	400 mc	500 x 600 x 200	1	10	0.1

INSTALLATION KIT

CODE	POWER	
KITPDE0500	Installation kit PDE A-Pool system PH-RX	

A-POOL SYSTEM PH-CL

CODE	FLOW RATE		WATT	TUBE	SUITABLE FOR POOLS UP TO		DIMENSION mm	PACKING	WEIGHT kg	VOLUME m³
	1/h (2 bar)	1/h (5 bar)			Indoor	Outdoor				
ADPS205	2.5 - 2.5	1.5 - 1.5	35	4 x 6	80 mc	50 mc	500 x 600 x 200	1	10	0.1
ADPS200	7 - 7	5 - 5	35	4 x 6	300 mc	200 mc	500 x 600 x 200	1	10	0.1
ADPS201	12 - 12	8 - 8	35	4 x 6	500 mc	400 mc	500 x 600 x 200	1	10	0.1

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDE0501	Installation kit PDE A-Pool system PH-CL	

A-POOL SYSTEM PH-CLJ

CODE	MODEL	FLOW RATE		WATT	TUBE	SUITABLE FOR POOLS UP TO		DIMENSION mm	PACKING	WEIGHT kg	VOLUME m ³
		1/h (2 bar)	1/h (5 bar)			Indoor	Outdoor				
ADPS305	Low	2.5 - 2.5	1.5 - 1.5	35	4 x 6	80 mc	50 mc	500 x 600 x 200	1	10	0.1
ADPS300	medium	7 - 7	5 - 5	35	4 x 6	300 mc	200 mc	500 x 600 x 200	1	10	0.1
ADPS301	high	12 - 12	8 - 8	45	4 x 6	500 mc	400 mc	500 x 600 x 200	1	10	0.1

INSTALLATION KIT

CODE	DESCRIPTION										
KITPDE0502	Installation kit PDE A-Pool system PH-CLJ										

OPTIONAL

CODE	MODEL	SEALING	HEIGHTS	CONNECTOR	CONNECTIONS	TANKS
ADLASM10CO	Suction lance	GL-VT	115-600	BNC	4X6	60-100 L
ADLASM30CO	Suction lance	GL-VT	115-840	BNC	4X6	200-300 L

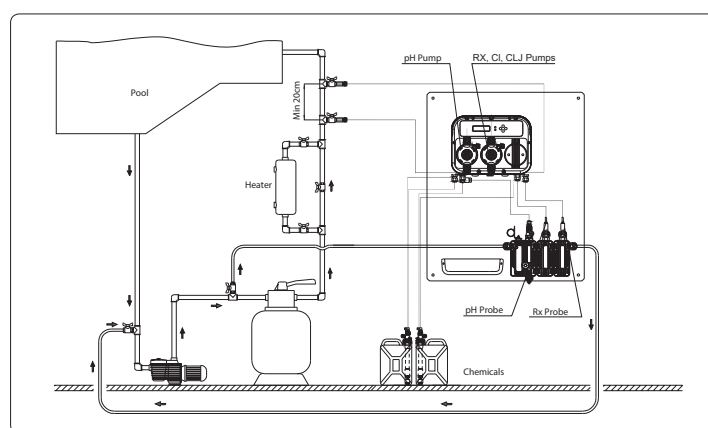


CODE	MODEL	SIZE (Ø x H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 X 800	200 L
ADTANK030	PE tank	710 X 890	300 L

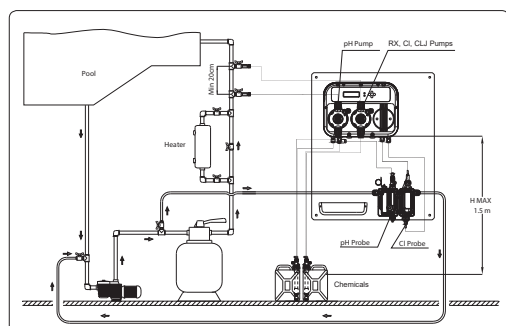


INSTALLATION EXAMPLE

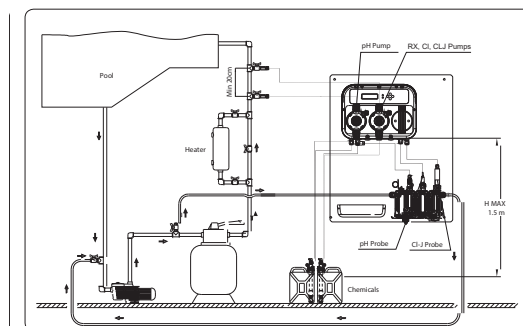
A-POOL SYSTEM PH-RX



A-POOL SYSTEM PH-CL



A-POOL SYSTEM PH-CLJ





A-POOL TOP +

✓ Technical features

- Control panel ON-OFF / proportional regulation of pH and Chlorine from 0-2 and 0-5 ppm for public and private pools composed by:
- N.1 1 AE START+ "PH-RX or PH-CL(J)" with 2 measure
- N.2 HC151+ PIMA (M70) adjustable on 3 models
- Modular probe holder for pH probes + RX electrode (only for RX series)
- Chlorine cell (Pt-Cu) complete with PH Electrode (only for CL series)
- Amperometric membrane probe for free chlorine with PH Electrode output signal in mV (only for CLJ series)
- Complete with flow sensor and flow regulator
- Temperature probe
- pH Buffer solutions
- 2 level probes
- RS485 output
- Power supply: 110-240V 50/60Hz

Standards:

- No. 2004/108/CE EMC directive
- No. 2006/95/CE 'DBT low voltage directive'
- No. 2011/65/UE, 2002/96/CE 'RoHS and WEEE directives'

Package dimensions:

- L 660mm x H 800mm x W 250mm

A-POOL SYSTEM

🔍 Models

CODE	TYPE	PROBE	SIGNAL	PUMP TYPE	WATT	TUBE	SUITABLE FOR POOLS UP TO		PACKING	WEIGHT	VOLUME
							Indoor	Outdoor		kg	m³
ADPT+055	PH-RX	PH-RX	-	M60	40	4 x 6	200 m³	150 m³	1	10	0.1
ADPT+050	PH-RX	PH-RX	-	M70	40	4 x 6	500 m³	400 m³	1	10	0.1
ADPT+060	PH-RX	PH-RX	-	M80	50	4 x 6	1000 m³	800 m³	1	10	0.1
ADPTC070	PH-RX	PH-RX	-	Dosing panel & accessories without pumps for large pools					1	10	0.1
ADPT+105	PH-CL	PH-CU	mV	M60	40	4 x 6	200 m³	150 m³	1	10	0.1
ADPT+100	PH-CL	PH-CU	mV	M70	40	4 x 6	500 m³	400 m³	1	10	0.1
ADPT+110	PH-CL	PH-CU	mV	M80	50	4 x 6	1000 m³	800 m³	1	10	0.1
ADPT+120	PH-CL	PH-CU	mV	Dosing panel & accessories without pumps for large pools					1	10	0.1
ADPT+205	PH-CL(J)	PH-CLJ	mV(*)	M60	40	4 x 6	200 m³	150 m³	1	10	0.1
ADPT+200	PH-CL(J)	PH-CLJ	mV(*)	M70	40	4 x 6	500 m³	400 m³	1	10	0.1
ADPT+210	PH-CL(J)	PH-CLJ	mV(*)	M80	50	4 x 6	1000 m³	800 m³	1	10	0.1
ADPTC220	PH-CL(J)	PH-CLJ	mV(*)	Dosing panel & accessories without pumps for large pools					1	10	0.1

INSTALLATION KIT

CODE	DESCRIPTION	
KITPDE503	Installation kit A-POOL TOP + PH-CL	x2 x2 x4 x4 x2 x2
KITPDE504	Installation kit A-POOL TOP + PH-CLJ	x2 x2 x4 x4 x2 x2
KITPDE515	Installation kit A-POOL TOP + mod.	x2 x2 x4 x4 x2 x2



CODE	STANDARD VERSION
Pump body	PVDF
Pump Housing	PP
Diaphragm	PTFE
Balls	CE
Body valve	PVDF
O-rings	Viton®
Spring loaded injection valve	PVDF - Hastelloy - PTFE
Foot valve	PVDF
Power supply	110-240 v

CODE	MODEL	SEALING	HEIGHTS	CONNECTOR	CONNECTIONS	TANKS
ADLASM10BO	Sunction lance	GL-VT	115-600	BNC	4X6	60-100 L
ADLASM30BO	Sunction lance	GL-VT	115-840	BNC	4X6	200-300 L



CODE	MODEL	SIZE (Ø X H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 X 800	200 L
ADTANK030	PE tank	710 X 890	300 L

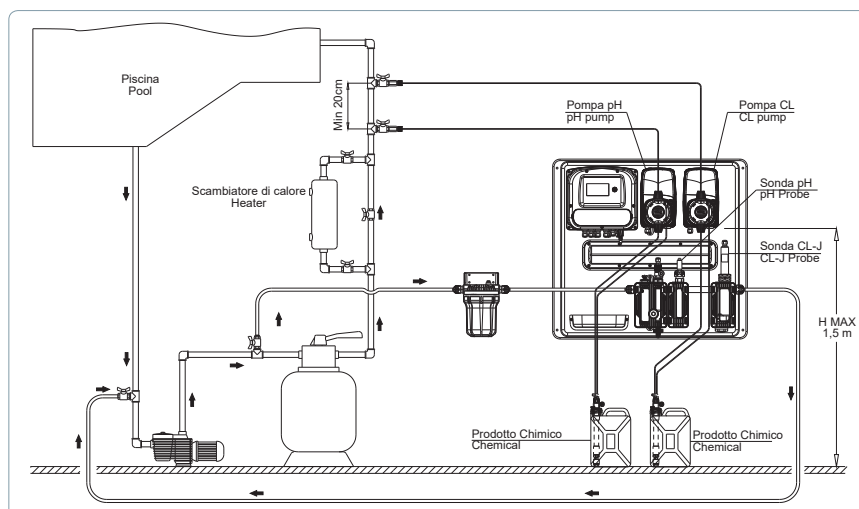


CODE	MODEL	CAPACITY
ADSP7000790	FLOW METER kit	0-100 l/h
ADSP7000791	FLOW METER kit + pressure reducer	0.5 BAR

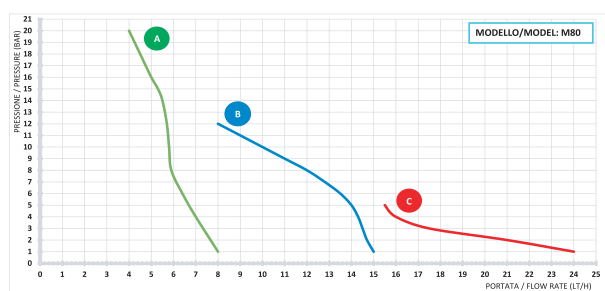
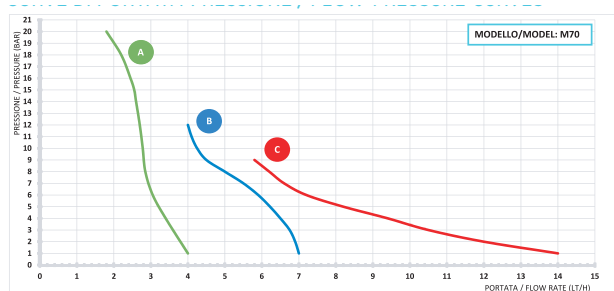


08

A-POOL SYSTEM PH-RX



FLOW-PRESSURE CURVES



The above data refers to tests made with water at room temperature



04 | CONTROLLERS AND ANALYSERS

AE-START +

✓ Technical features

- Multi parametric measuring units for control and regulation of chemical / physical water parameters such as pH, Redox (ORP), Free Chlorine / Total Chlorine and conductivity;
- Standard power supply: 100-240V AC
- Protection rating: IP55 (Casing)
- 128 x 64 pixel backlight graphic display, simple user interface by means of encoder;
- Basic or Expert programming mode
- Setpoints with independent adjustment in ON-OFF or Proportional mode
- Hysteresis adjustment
- Acid / alkaline (pH), Oxidant / Reductive (RX), Direct /inverse (Chlorine / Conductivity) functioning mode
- Level probe, proximity sensor and temperature probes (PT100 / NTC) inputs
- 4-20 mA proportional outputs with adjustable range by user
- Priming mode
- RS485 output
- Assisted calibration of the probes
- Quality verification of pH and Redox probes

Package dimensions: L 295mm x H 160mm x W 350mm

Weight: 1.2kg

Q Models

CODE	STANDARD VERSION
ADES1PH	Single parameter controller AE START1+ pH(RX)+T
ADES1CL	Single parameter controller AE START1+ CL(J)+T
ADES1CD	Single parameter controller AE START1+ CD+T
ADES2PHRX	Two parameters controller AE START2+ pH+RX+T
ADES2PHCL	Two parameters controller AE START2+ pH+CL(J)+T
ADES2PHCD	Two parameters controller AE START2+ pH+CD+T
ADES3PHRXCL	Three parameters controller AE START3+ pH+RX+CL(J)+T

AVAILABLE MODELS

WITH 1 CONTROL

AE START1+ PH(RX)

Single parameter controller for pH ($0 \div 14$ pH) or Redox ($0 \div \pm 2000$ mV) measurement and regulation.

AE START1+ CL(J)

Single parameter controller for free Chlorine measurement and regulation for open cell amperometric probes Pt-Cu ($0 \div 10$ ppm) or free Chlorine / Total Chlorine membrane type probes ($0 \div 2000$ ppm) with mA or mV input signal.

AE START1+ CD

Single parameter controller for Conductivity measurement and regulation for resistive type probes with K factor K=1, K=5 ($0 \div 20000$ μ S).

WITH 2 CONTROL

AE START1+ PH(RX)

Multi parameter controller for pH ($0 \div 14$ pH) and Redox ($0 \div \pm 2000$ mV) measurement and regulation.

AE START2+ PH+CL(J)

Multi parameter controller for pH ($0 \div 14$ pH) and free Chlorine measurement and regulation for open cell amperometric probes Pt-Cu ($0 \div 10$ ppm) or free Chlorine / Total Chlorine membrane type probes ($0 \div 2000$ ppm) with mA or mV input signal.

AE START2+ PH+CD

Multi parameter controller for pH ($0 \div 14$ pH) and Conductivity measurement and regulation ($0 \div 20000$ μ S).

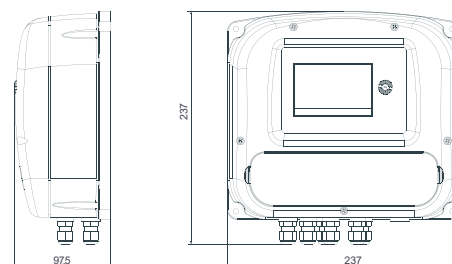
WITH 3 CONTROL

AE START3+ PH+RX+CL(J)

Multi parameter controller for pH ($0 \div 14$ pH), Redox ($0 \div \pm 2000$ mV) and free Chlorine measurement and regulation for open cell amperometric probes Pt-Cu ($0 \div 10$ ppm) or free Chlorine / Total Chlorine membrane type probes ($0 \div 2000$ ppm) with mA or mV input signal.



Dimensions



CODE	AE START 1 +	AE START 2 +	AE START 3 +
Parameters	1	2	3
Display resolution	128 X 64		
Outputs relay	4	6	8
setpoints	2	3	4
Temperature probe	PT100		
mA outputs	1	2	3
Auxiliary relay	1	2	3
Alarm relay	1	1	1
Level probe inputs	1	2	3
Proximity sensor input	Yes		
ON-OFF mode	Yes		
Proportional mode	Yes		
Overdosing alarm	Yes		
Timer	Yes		
RS485 Modbus connection	Upon request		
WI-FI/ETHERNET	Upon request		
external moduleA	Upon request		
Remote access software	Upon request		

05 | SPARE PARTS
AND ACCESSORIES

A-CON

✓ Technical features

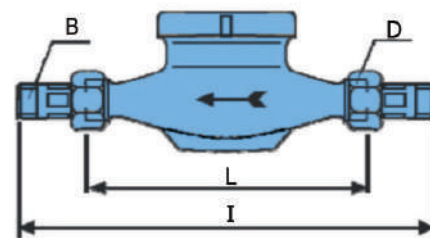
Threaded Water Meters with Pulse output.



TECHNICAL FEATURES

Gauge - Size - DN	mm	13	20	25	30	40	50
Qmax max. flow rate (CEE)	m³/h	3	5	7	10	20	30
QN Nominal flow rate (CEE)	m³/h	1.5	2.5	3.5	5	10	15
Minimum Flow Qmin (CEE)	l/h	30	50	70	100	200	450
Maximum Working Temperature	°C	40	40	40	40	40	40
Max Working Pressure	BAR	16	16	16	16	16	16
Pulse emitter	4 imp / 1lt (k=0.25)						

CODE	CONNEC- TION	D	DN	Qn	PN	L	I
	Ømm	mm	mm	m³		mm	mm
ADCONRC00	1/2"	3/4"	13	1.5	16	110	190
ADCONRC01	3/4"	1"	20	2.5	16	130	230
ADCONRC02	1"	1 1/4"	25	3.5	16	260	360
ADCONRC03	1 1/4"	1 1/2"	30	5	16	260	380
ADCONRC04	1 1/2"	2"	40	10	16	300	440
ADCONRC05	2"	2 1/2"	50	15	16	300	460

 Dimensions

 Models

CODE	CONNECTOR	IN-OUT	PULSES	FLOW RATE	PACKING	WEIGHT	VOLUME
				m³/h		kg	m³
ADCONRC00	HIRSMANN	G 1/2"	4 IMP/lt	1.5	1		
ADCONRC000B	BNC	G 1/2"	4 IMP/lt	1.5	1		
ADCONRC01	HIRSMANN	G 3/4"	4 IMP/lt	2.5	1		
ADCONRC010B	BNC	G 3/4"	4 IMP/lt	2.5	1		
ADCONRC02	HIRSMANN	G 1"	4 IMP/lt	3.5	1		
ADCONRC020B	BNC	G 1"	4 IMP/lt	3.5	1		
ADCONRC03	HIRSMANN	G 1 1/4"	4 IMP/lt	5	1		
ADCONRC030B	BNC	G 1 1/4"	4 IMP/lt	5	1		
ADCONRC04	HIRSMANN	G 1 1/2"	4 IMP/lt	10	1		
ADCONRC040B	BNC	G 1 1/2"	4 IMP/lt	10	1		
ADCONRC05	HIRSMANN	G 2"	4 IMP/lt	15	1		
ADCONRC050B	BNC	G 2"	4 IMP/lt	15	1		



A-TANK

✓ Technical features

A cylindrical, vertical container with a self-supporting structure, flat bottom and hatch with a threaded cover. Made in non-toxic, UV-stabilized, polyethylene to provide a high protection from atmospheric agents, with a neutral translucent colour.

The design and structure is based around the liquid it will contain. It has flat upper surfaces, and a 1/2" lower discharge that eases possible couplings.

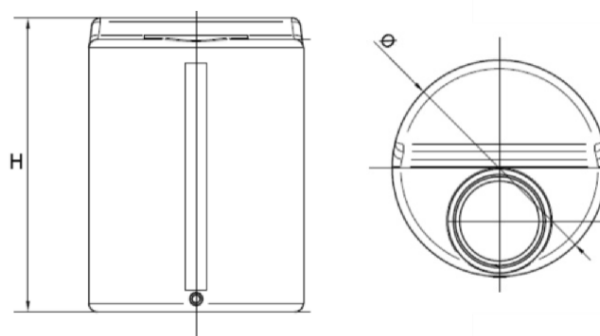
It is monolithic, i.e. moulded in a single piece, with no joints. It has a threaded vent lid, closed upon request, and printed visual level indicator. It can be placed on flat surfaces without particular precautions



Q Models

CODE	VOLUME	DIMENSIONS
	L	Ø x Height
ADTANK006	50	400 x 525
ADTANK010	100	500 x 680
ADTANK020	200	620 x 800
ADTANK030	300	710 x 890
ADTANK050	500	885 x 1000
ADTANK100	1000	1100 x 1200

Q Dimensions



A-VISC

✓ Technical features

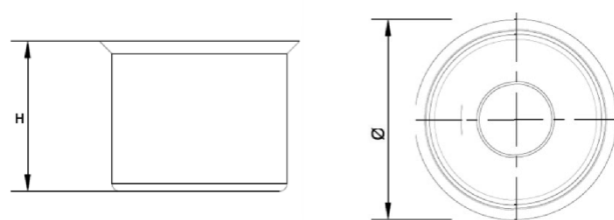
A cylindrical, vertical container with a self-supporting structure and flat bottom, suitable for safely supporting A-TANKs. It is made of non-toxic, UV-stabilised, polyethylene to provide a high protection from atmospheric agents, with a neutral, translucent colour. It is monolithic, i.e. moulded in a single piece, with no joints. It can be placed on flat surfaces without particular precautions.



Q Models

CODE	VOLUME	DIMENSIONS
	L	Ø x Height
ADVISC010	100	700 x 450
ADVISC020	200	800 x 600
ADVISC030	300	900 x 660
ADVISC050	500	1050 x 1000
ADVISC100	1000	1350 x 1050

Q Dimensions



AG-MAN

Manual mixer with PVC shaft

CODE	MODEL	SIZE	TANK	PACKING	WEIGHT	VOLUME
			L		kg	m ³
ADAGMP06	AG - MAN - PVC60	A - TANK 1	100	1	3	0.02
ADAGMP07	AG - MAN - PVC70	A - TANK 2-3	200-300	1	3	0.02
ADAGMP09	AG - MAN - PVC90	A - TANK 5-10	500 - 1000	1	3	0.02

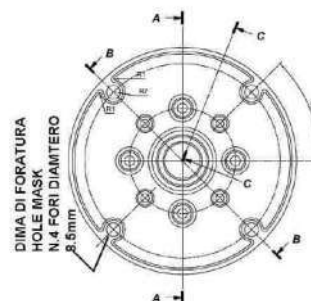
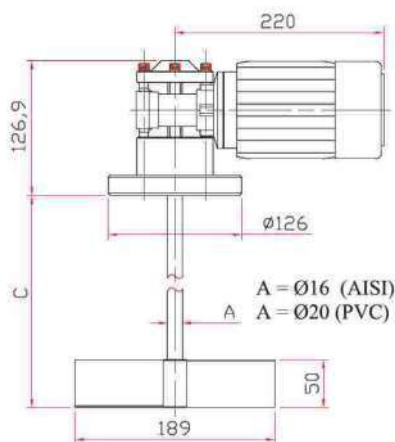


AG-S

✓ Technical features

- Slow water mixers.
- Slow single-phase AG1-PVC /AG1-AISI 70 rpm – Motor 230V 50Hz 0.12HP
- Slow speed three-phase - AG3-PVC/AG3-AISI -70 rpm – Motor 230/380v - 50 Hz - 0.12HP.

📏 Dimensions



QUOTE IN MILLIMETRI
MILLIMETERS QUOTE



🔍 Models

CODE				SIZE	TANK	MATERIAL	PACKING	WEIGHT	VOLUME
SINGLE-PHASE		THREE-PHASE			L			kg	m³
70 RPM	1400 RPM	70 RPM	1400 RPM						
ADAG1P06S	ADAG1P06F	ADAG3P06S	ADAG3P06F	A - TANK 1	100	PVC	1	6	0.03
ADAG1P07S	ADAG1P07F	ADAG3P07S	ADAG3P07F	A - TANK 2-3	200 - 300	PVC	1	7	0.05
ADAG1P08S	ADAG1P08F	ADAG3P08S	ADAG3P08F	A - TANK 5	500	PVC	1	7	0.05
ADAG1P09S	ADAG1P09F	ADAG3P09S	ADAG3P09F	A - TANK 10	1000	PVC	1	7	0.05
ADAG1A06S	ADAG1A06F	ADAG3A06S	ADAG3A06F	A - TANK 1	100	AISI	1	6	0.03
ADAG1A07S	ADAG1A07F	ADAG3A07S	ADAG3A07F	A - TANK 2-3	200 - 300	AISI	1	7	0.05
ADAG1A08S	ADAG1A08F	ADAG3A08S	ADAG3A08F	A - TANK 5	500	AISI	1	7	0.05
ADAG1A09S	ADAG1A09F	ADAG3A09S	ADAG3A09F	A - TANK 10	1000	AISI	1	7	0.05



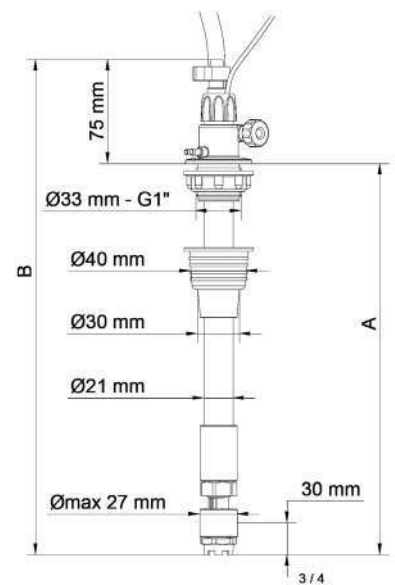
ADLASM

✓ Technical features

- Suction lance with low level probe
- Adjustable length
- Suitable for tanks with small hole (min. 27 mm)
- Connection to 4x6 or 10 x 14 discharge pipe (return line within the tank)
- Probe level and 2m completely protected cable
- Built-in check valve
- Easy maintenance
- Instructions kit
- 2 modes fixing (with 1" ring nut or sleeve)
- Flow rate up to 100 l/h



📏 Dimensions



🔍 Models

	STANDARD VERSION	UPON REQUEST
Body	PP - PVC - VITON	PP - PVE - DUTRAL
Body valve	PYREX	-
O-rings	Viton®	Dutral®

TOTAL LENGTH (B)	SUITABLE FOR TANK	ADJUSTABLE LENGTH (A)
mm	lt	mm
400	5 - 10	120 -> 300
490	30	120 -> 390
700	60 ADTANK006	120 -> 600
700	100 ADTANK010	120 -> 600
940	200 ADTANK020	120 -> 840
940	300 ADTANK030	120 -> 840
1420	500 ADTANK050	120 -> 1320
1420	1000 ADTANK0100	120 -> 1320

	CAPACITY
0	T-A tank 5/10 lt
1	T-A tank 60/100 lt
2	T-A tank 30 lt
3	T-A tank 200/300 lt
5	T-A tank 500 lt

	BALLS/O-RING MATERIALS
0	GL - VT
A	GL - DT

	LOW LEVEL PROBE
0	Low level probe without connector
B	Level probe with BNC connector
C	Low level probe with HIRSHMANN connector

	PIPE CONNECTION
0	4 x 6
1	10 x 14

CODE	DESCRIPTION	HIGHT	TANK	mm	O-RING	PIPE	CONNECTOR
		mm	L				m ³
ADLASM0000	Suction nozzle T-A (5/10l - H400) GL-VT 4x6 C/probe LEV.-S/CONN	400	5-10	155-300	Viton®	4 x 6	-
ADLASM00C0	Suction nozzle T-A (5/10l - H400) GL-VT 4x6 C/probe LEV.-C/CONN	400	5-10	155-300	Viton®	4 x 6	HIRSHMANN
ADLASM00B0	Suction nozzle T-A (5/10l - H400) GL-VT 4x6 C/probe LEV.-S/BNC	400	5-10	155-300	Viton®	4 x 6	BNC

CODE	DESCRIPTION	HIGHT	TANK	mm	O-RING	PIPE	CONNECTOR
		mm	L				m ³
ADLASM2000	Suction nozzle T-A (30l - H490) GL-VT 4x6 C/probe LEV.-S/CONN	490	30	155-390	Viton®	4 x 6	-
ADLASM20C0	Suction nozzle T-A (30l - H490) GL-VT 4x6 C/probe LEV.-C/CONN	490	30	155-390	Viton®	4 x 6	HIRSHMANN
ADLASM20B0	Suction nozzle T-A (30l - H490) GL-VT 4x6 C/probe LEV.-S/BNC	490	30	155-390	Viton®	4 x 6	BNC

CODE	DESCRIPTION	HIGHT	TANK	mm	O-RING	PIPE	CONNECTOR
		mm	L				m ³
ADLASM1000	Suction nozzle T-A (60l-100l-H700) GL-VT 4x6 C/probe LEV.-S/CONN	700	60-100	115-600	Viton®	4 x 6	-
ADLASM10C0	Suction nozzle T-A (60l-100l-H700) GL-VT 4x6 C/probe LEV.-C/CONN	700	60-100	115-600	Viton®	4 x 6	HIRSHMANN
ADLASM10B0	Suction nozzle T-A (60l-100l-H700) GL-VT 4x6 C/probe LEV.-C/BNC	700	60-100	115-600	Viton®	4 x 6	BNC

CODE	DESCRIPTION	HIGHT	TANK	mm	O-RING	PIPE	CONNECTOR
		mm	L				m ³
ADLASM3000	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-S/CONN	940	200-300	115-840	Viton®	4 x 6	-
ADLASM30C0	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-C/CONN	940	200-300	115-840	Viton®	4 x 6	HIRSHMANN
ADLASM30B0	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-S/BNC	940	200-300	115-840	Viton®	4 x 6	BNC
ADLASM3001	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-S/CONN	940	200-300	115-840	Viton®	10 x 14	-
ADLASM30C1	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-C/CONN	940	200-300	115-840	Viton®	10 x 14	HIRSHMANN
ADLASM30B1	Suction nozzle T-A (2/300l - H940) GL-VT 4x6 C/probe LEV.-S/BNC	940	200-300	115-840	Viton®	10 x 14	BNC

CODE	DESCRIPTION	HIGHT	TANK	mm	O-RING	PIPE	CONNECTOR
		mm	L				m ³
ADLASM5000	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-S/CONN	1420	500-1000	115-1320	Viton®	4 x 6	-
AD-LASM50C0	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-C/CONN	1420	500-1000	115-1320	Viton®	4 x 6	HIRSHMANN
ADLASM50B0	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-S/BNC	1420	500-1000	115-1320	Viton®	4 x 6	BNC
ADLASM5001	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-S/CONN	1420	500-1000	115-1320	Viton®	10 x 14	-
AD-LASM50C1	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-C/CONN	1420	500-1000	115-1320	Viton®	10 x 14	HIRSHMANN
ADLASM50B1	Suction nozzle T-A (500/1000l - H1420) GL-VT 4x6 C/probe LEV.-C/BNC	1420	500-1000	115-1320	Viton®	10 x 14	BNC



ADSP6020221



ADBAS100

CODE	MODEL
ADSP6020221	Wall mounting bracket (HC100-150-151-897-997-899-999)
ADSP6020156	Wall mounting bracket (TECHNOPOOL)
ADBAS100	Foot mounting bracket (HC150-151-897-997-899-999)



ADSP6000078



ADSP6000028



ADSP6200031



ADSP6000001



ADSP6200007



ADCAN3



ADSLG



ADSLG4

CODE	MODEL	MEASURE	LENGTH
ADSP6000078	PE delivery tube	4 x 6	2m
ADSP6000370	PE delivery tube	6 x 8	1m (100 min.)
ADSP6000016	PE delivery tube	10 x 14	1m (50m min.)
ADSP6000546	PVC crystal bleed of tube - PVC crystal suction tube	4 x 6	2m
ADSP6000440	PVC crystal bleed of tube - PVC crystal suction tube	6 x 8	1m (100 min.)

CODE	MODEL	CONNECTION	MATERIAL
ADSP6000028	PVDF foot valve (HC897-997-999-201)	4 x 6	PVDF-PTFE-VT
ADSP6200031	PVDF injection valve M - ½" Gas (HC897-997-999-201)	G ½" - 4 x 6	PVDF-PTFE-VT
ADSP6000001	PP foot valve (HC150-151)	4 x 6	PP-GL-VT
ADSP6200007	PP injection valve M - ½" Gas (HC150-151)	4 x 6	PP-GL-VT
ADCAN3	Injection fitting extension quill. PVC double thread ⅜"- ½" GM-½" GF		
ADSLG	A-SL	HIRSHMANN	
ADSLG4	A-SL	BNC	
ADSLG1	A-SL	-	



CODE	DESCRIPTION	MODEL	LENGTH
ADELTPH01	Combination pH/Rx electrodes . With Bonded cable . Epoxy body. Max pressure 3 BAR. Max temperature 50 °C	A-pH 1	1m
ADELTPH05		A-pH 5	5m
ADELTPH10		A-pH 10	10m
ADELTRX01		A-R x 1	1m
ADELTRX05		A-R x 5	5m
ADELTRX10		A-R x 10	10m
ADELTRX05G		A-R x 5 Gold	5m
ADELVPH	Combination pH/Rx electrodes . Glass body. Max pressure 5 BAR Max Temperature 80 ° C	A-VpH	
		A-VRx	
ADELVRX	Combination pH/Rx electrodes . Epoxy body. Max pressure 5 BAR Max Temperature 40 ° C	A-PpH	
		A-PRx	
ADCV01	Coaxial Cable for use with electrode with a BNC / SN6	A-CV 1	1
ADCV02		A-CV 2,5	2.5
ADCV05		A-CV 5	5
ADCV10		A-CV 10	10
ADCV15		A-CV 15	15
ADCV20		A-CV 20	20



CODE	DESCRIPTION	MODEL	CONNECTIONS
ADPSM097	COMPLETE modular probe holder, compatible up to 5 module, PVC body, Viton® seals, max pressure 5 BAR, working temperature 5-60 °C.	Modular probe holder with filter - 1x A-EL - GF 1/2"	G 1/2"-10x14
ADPSM01233		Modular probe holder with filter - Flow sensor - 2x A-EL	G 1/2"-10x14
ADPSM0126		Modular probe holder with filter - Flow sensor - 1x A-J	G 1/2"-10x14

CODE	DESCRIPTION	PIPE DIAMETER	MATERIAL	CONNECTIONS
ADPSTC	Collar injection probe holder 2 in 1	DN 50-63	PP-VL-VT	4 X 6

CODE	DESCRIPTION	MODEL	CONNECTIONS
ADSP6000111	COLLAR D50x1/2" PVC	DN 50	G 1/2 "
ADSP6000113	COLLAR D63x1/2" PVC	DN 63	G 1/2 "

CODE	MODEL	PROBES	CONNECTIONS
ADPST1	Threaded probe holder	pH-Rx-Ø 12mm	G 1/2 "
ADPSD	Modular probe holder with 2 pH-Rx probes compatible		G 3/8 " - 4 x 6
ADPSD2	Modular probe holder with 2 pH-Rx probes compatible		G 1/2 " - 10 x 14

CODE	MODEL	CONNECTIONS (MT)
ADPSI05	Immersion probe holder for pH-Rx probe	0.5
ADPSI10	Immersion probe holder for pH-Rx probe	1
ADPSI15	Immersion probe holder for pH-Rx probe	1.5
ADPSI20	Immersion probe holder for pH-Rx probe	2
ADPSI30	Immersion probe holder for pH-Rx probe	3



CODE	MODEL	USE	RANGE
			ppm
ADCG2	Pt-Cu amperometric probe for free chlorine	Inorganic chlorine	0 -10
ADCG5F	Pt-Cu amperometric probe for free chlorine + flow + probe	Inorganic chlorine	0 -10
ADCG6F	Pt-Cu amperometric probe for free chlorine + flow + 2 probes	Inorganic chlorine	0 -10
ADSP4000620	Replacement kit for Pt-Cu electrode		
ADSP6500009	Balls replacement kit		
ADELCLJ05	Amperometric probe for free chlorine reading	Inorganic chlorine	0-5
ADELCLJ22	Amperometric probe for free chlorine reading low pH influence	Inorganic chlorine	0-2
ADELCLJ25	Amperometric probe for free chlorine reading low pH influence	Inorganic chlorine	0-5
ADELCLJ35	Amperometric probe for total chlorine reading low pH influence	Total chlorine	0-5
ADELCLJB10	Amperometric probe for free chlorine mv signal	Organic chlorine	0-10
ADSP6020051	A-J connection cable		
ADELCLJCC1	Electrolytic solution -ecc1-a-j-probe-adelclj25/220 probe		
ADELCLJM482	Ion-selective membrane m48.2-a-j probe-adelclj25/220/25s probe		

CODE	DESCRIPTION	MODEL	VALUE
ADSPH4	Buffer solution	pH	4 pH
ADSPH7		pH	7 pH
ADSPH9		pH	9 pH
ADSRX		Rx	475 mV

CODE	MODEL	CONNECTION	MATERIAL	RANGE	COMPATIBILITY
				°C	
ADSTS100	100 Probe body PVC-electrode AISI	MG 1/2"	PVC-AISI	0 - 60	ADSTS100
ADSTS100NC	PT 100 probe body PVC	DN 12	PVC	0 - 40	ADSTS100NC
ADSP4000622	Oring for adaptator (ADSP4000622)	MG 3/4" - FG 1/2"	PVC	-	-
ADSP5007205	Oring for adaptator (ADSP4000622)	-	Viton®	-	-



CODE	MODEL	FLOW RATE	PRESSURE	PIPE
ADSP8000109N	Isipool - Technopool - Litepool spare pipe	1,4-3	1	4 x 6
ADSP9000100	Pump body HC 150-151 PP-GL-VT	2-35	20	4 x 6
ADSP900P000	Pump body HC , HC AQUA POOL PVDF-PTFE-VT	2-35	20	4 x 6

06 | HEAVY DUTY CHLORINE FEEDER

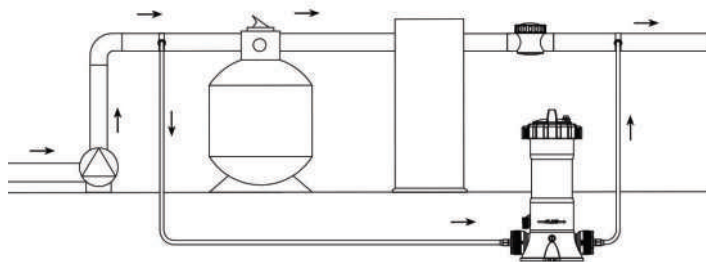
✓ Technical features

- User-friendly solution for sanitizing large residential and commercial swimming pools using either chlorine or bromine tablets
- Heavy duty and able to provide automatic sanitization for pools up to 608,000 litres
- Both in-line and off-line plumbing installations are available in 2 sizes
- **CL-300F IN-line** chlorine feeder with direct pipe connections of 1.5"
- **CL-320F Off-line** chlorine feeder for bypass connections via flexible tubing, with fittings
- **CL-400F IN-line** chlorine feeder with direct pipe connections of 2.0"
- **CL-420F Off-line** chlorine feeder for bypass connections via flexible tubing, with fittings

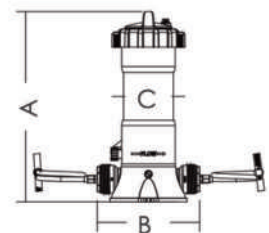


08

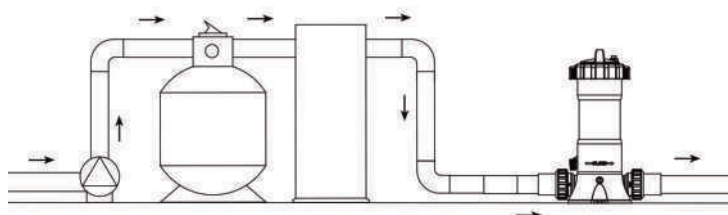
📏 Dimensions



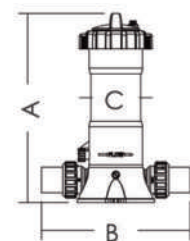
CL-320F, CL-420F



CL-320F, CL-420F



CL-300F, CL-400F



CL-300F, CL-400F

🔍 Models

CODE	DIMENSIONS			LOADING CAPACITY (KGS)	PACKING	WEIGHT	VOLUME
	A	B	C			kg	
CL-300F	420	330	110	2	1	2	0.022
CL-320F	420	230	110	2	1	4	0.022
CL-400F	705	330	110	4	1	2	0.037
CL-420F	705	230	110	4	1	4	0.037



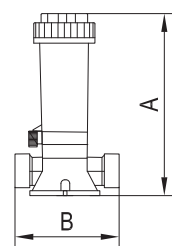
07 | STANDARD CHLORINE FEEDER

✓ Technical features

- **CL-100F In-line** chlorine feeder with direct pipe connections of 1.5" (inside) and 2" (outside)
- **CL-110F Off-line** chlorine feeder for bypass connections via flexible tubing, with fittings
- **CL-200F In-line** chlorine feeder with direct connections of 1.5" (inside) and 2" (outside)
- **CL-220F Off-line** chlorine feeder for by-pass connections via flexible tubing, with fittings



Dimensions



Models

CODE	DIMENSIONS		LOADING CAPACITY	PACKING	WEIGHT	VOLUME
	A	B			kg	m ³
CL-100F	358	205	1.8	1	1.4	0.01
CL-110F	358	205	1.8	1	1.5	0.01
CL-200F	386	229	4.5	1	2.2	0.01
CL-220F	386	229	4.5	1	2.5	0.01

08 | FLOATING DISPENSERS

✓ Technical features

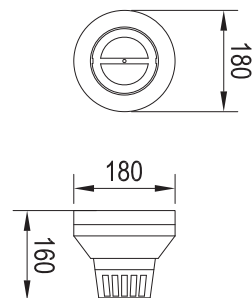
For Trichlor chlorine tablets



CL-101

CL-102

Dimensions



Models

CODE	DOSAGE REGULATOR	LOADING CAPACITY	PACKING	WEIGHT	VOLUME
				kg	m ³
CL-101	●	1 kg	10	5.8	0.069
CL-102	●	1 kg	8	2.6	0.070





09 DISINFECTION

01	AQUA SALT	238
02	COMMERCIAL SALT CHLORINATOR	242
03	“QUANTUM”	244
04	PRO POOL UV	246
05	HR UVC	248
06	UV SYSTEM INDIUM	250
07	PRO UV INOX.....	251
08	PRO UV HDPE	253
09	NANO TECH MPUV.....	255
10	OXYGENATION AND IONIZATION	256
11	SILVER, OXYGENATION, AND COPPER IONIZATION	260
12	AQUA COMPACT OZONE & UV-C	262
13	AQUA OZONE EQUIPMENT “POP-LI/MI/HI/I/II”	264
14	AQUA OZONE EQUIPMENT “ POP-III & POP-IV”	265
15	AQUA OZONE EQUIPMENT “POS”	266
16	AQUA OZONE EQUIPMENT “CTO 50, 100, 150, & 200”	268
17	OZONE DESTRUCTOR	269
18	OZONE MIXING DEGAS VESSEL	269



01 | AQUA SALT

AQUA SALT CHLORINATOR

✓ Technical features

Context of use:

For public and private pools

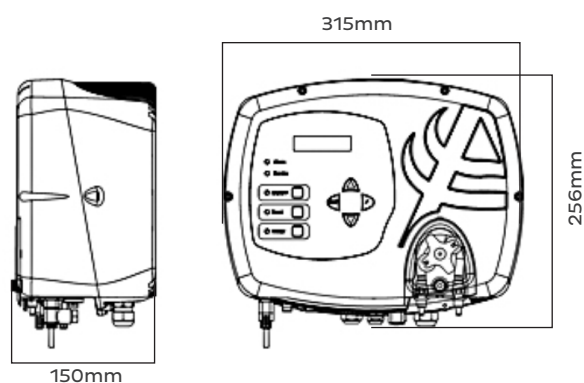
The Aqua Salt control unit is available in 4 models:

1. **STANDARD:** Internal/external timer controlled
2. **PH:** Standard model with additional control and dosing of acid/alkaline PH corrector via peristaltic pump
3. **PH-RX:** PH model with additional RX reading for modulation of cell chlorine generation
4. **PH-CLJ:** PH model with additional Cl reading (PPM) for modulation of cell chlorine generation. Also mounted on a thermoformed panel

- Compatible with all sizes of ADCEL electrolytic cells
- IP65 protection
- Max working temperature: 40°C
- Max chlorine production: 40g/h**
- Swimming pool dimension (Max): 200m³*
- Double safety features for water flow
- Choice of languages
- Pump feed for restoring salt concentration
- Cell cleaning through polarity inversion
- Control of real use and maintenance alarms
- Alarm for salt level calculation (approximation)
- Additional timer for circulating pump
- Software for Windows-based management - Free for all models (RS232 port standard for all models)
- Power supply: 180-260V
- Max power consumption: 300W 50/60Hz
- Cell power supply: 24V DC 10A
- Bluetooth module for connection with APP for Android and Windows phone - Available upon request
- MASTER/SLAVE version for parallel multiple connection for swimming pool bigger for 200m - Available upon request
- Package dimensions: L 405mm x H 200mm x W 311mm



Dimensions



Q Models

CODE	MODEL	SUITABLE FOR ADCEL	PERISTALTIC PH PUMP ACID/ALKALINE	PACKING	WEIGHT	VOLUME
					kg	m ³
ADSAL110	AQUA SALT STANDARD	50-100-150-200	-	1	3.4	0.025
ADSAL210	AQUA SALT PH	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025
ADSAL310	AQUA SALT PH-RX	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025
ADSAL410	AQUA SALT PH-CLJ	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025

* The installer is in charge for the correct sizing of Chlorine capability that has to respect the country legislation.
For intense use check Master-Slave option

** If the production of 40g/h is not enough for your application you can evaluate the NEW Master/Slave configuration

ITEMS INCLUDED IN THE BOX

STANDARD		 ADSP6020156					
PH		 ADSP6020156	 ADELTPH05	 ADSPH05/7	 ADPSTC	 ADSP6000001	 ADSP6000551
PH-RX		 ADSP6020156	 ADELTPH05	 ADSPH05/7	 ADPSTC	 ADSP6000001	 ADSP6000551
	 ADELTRX05G	 ADSRX	 ADSP6000111	 ADSPH05/7			
PH-CLJ		 ADFV3	 ADELTPH05	 ADSPH05/7	 ADSP6000049	 ADSP6000001	 ADSP6000551
	 ADELCLJ25S	 ADSP6000440	 ADSP5005002 ADSP5004002				



Basic Version



BT Version



With the Aqua Salt Bluetooth app on your mobile, you have all the control you need at any time of the day, including:

- Turning the device on and off
- Activating and deactivating 'Boost Mode'
- Activating and deactivating 'Winter Mode'
- Increasing and decreasing the percentage of chlorine in the pool
- Checking the values of pH and Redox
- Checking and setting alarms
- Setting specific points of measure

STABILIZED SALT

✓ Technical features

Stabilized salt for electrolysis cells. It is often said that common salt or softeners work just as well as stabilized salt, but this is not true. Adding stabilizer, retains the chlorine level in the salt water pool and prevents it from breaking down under direct UV light, thus guaranteeing water disinfection.

Description:

- Sodium Chloride (NaCl)
- Isocyanuric Acid
- Magnesium



Q Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
700100085	Fine-grained stabilized salt -bags kg.25	1	18	0.25

ADCEL ELECTROLYTIC CELL

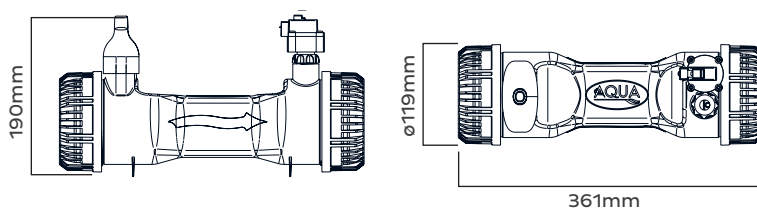
✓ Technical features

The disinfectant 'chlorine', is produced in the electrolytic cell, thanks to a chemical reaction that produces sodium hypochlorite, an aqueous solution of sodium chloride. The cell utilises a flow sensor, titanium plates and a PT100 probe to measure the temperature. The correspondence between the swimming pool and the cell model is indicative. Please refer to Chlorine production data.

- Titanium plates
- Connection pins made in AISI-316 stainless steel
- Built-in flow sensor
- PT100 temperature probe
- Max. operating pressure: 2.5 bar
- Max. chlorine production: 40 g/h**
- Hydraulic connections of the cell: Ø 50mm or Ø 63mm
- Max. water hardness: 30°F*
- Replaceable cell with a transparent body
- Cell power supply: 24V DC
- Max. absorbed power: 240W



Q Dimensions



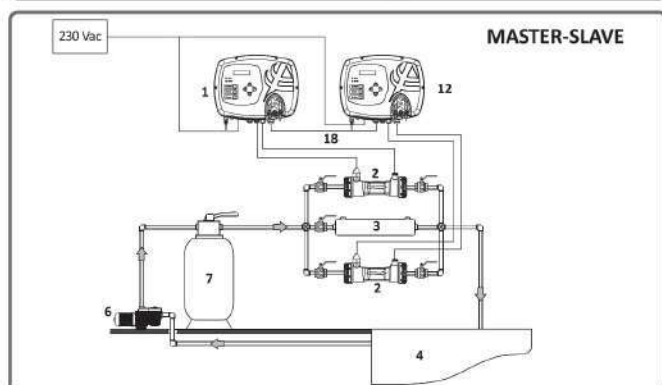
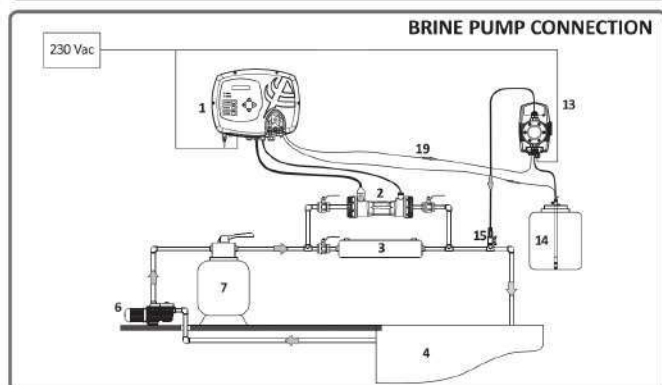
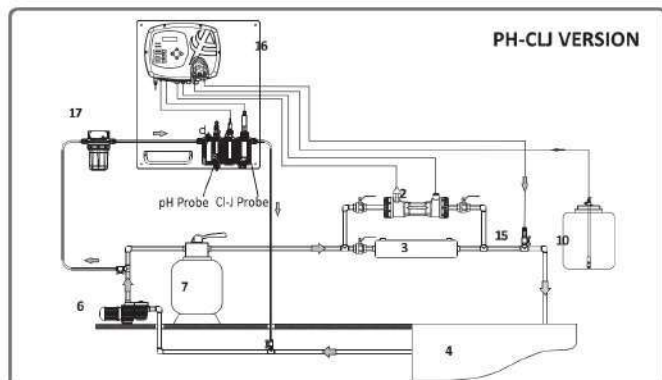
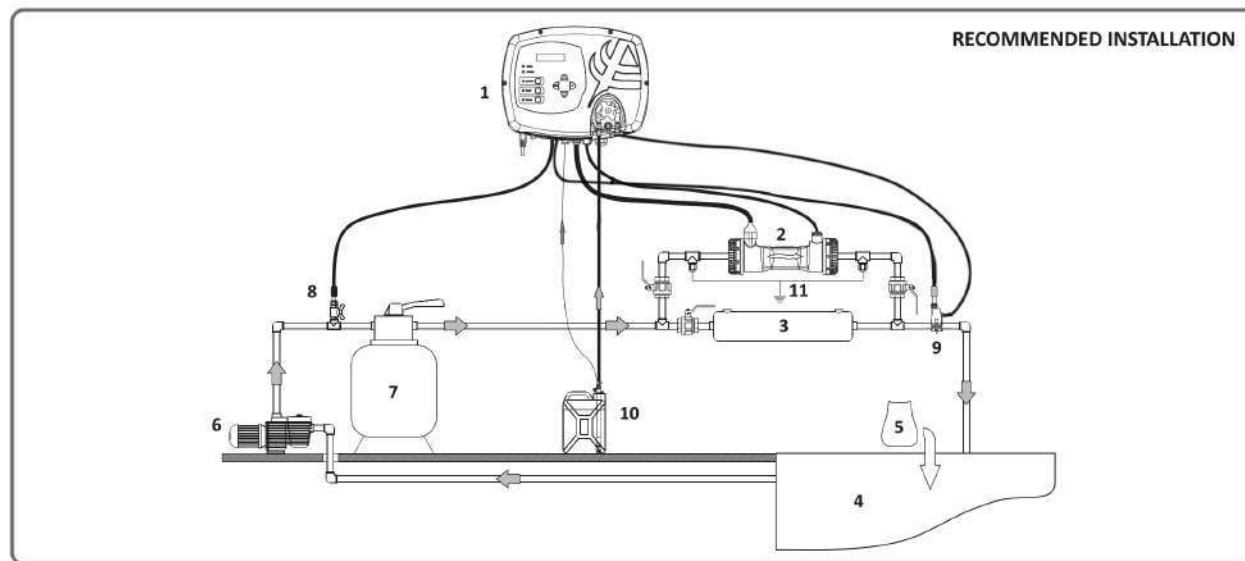
Q Models

CODE	MODEL	MAX. POOL DIMENSION	CHLORINE PRODUCTION	RECOMMENDED SALT LEVEL	MAX SALT LEVEL	PACKING	WEIGHT	VOLUME
		m³	g/h	g/lt	g/lt		kg	m³
ADCEL050	50	Up to 50*	Up to 10	3.5 - 4.5	8	1	1.9	0.008
ADCEL100	100	Up to 100*	Up to 20	3.5 - 4.5	8	1	1.9	0.008
ADCEL150	150	Up to 150*	Up to 30	3.5 - 4.5	8	1	1.9	0.008
ADCEL200	200	Up to 200*	Up to 40	3.5 - 4.5	8	1	1.9	0.008
700800121N	Ground connection kit (2 electrodes) recommended to be installed with each system							

* The installer is responsible for the correct dosing of chlorine levels and has to respect the country's legislation. For pools that require higher levels, use the Master-Slave option.

** For pools that require more than 40g/h, check out the NEW Master/Slave configuration.

INSTALLATION EXAMPLE



1. Aqua Salt control unit
(Master in Master/Slave system)
2. Electrolytic cell
3. Heater
4. Swimming pool
5. Salt
6. Recirculating pump
7. Sand filter
8. Collar with Rx probe
9. Collar 2 in 1 with pH probe and injection of
pH corrector pH
10. pH corrector
11. Grounding kit connection
12. Aqua Salt Slave
13. HC899 pump for brine dosage
14. Brine tank with lance and level sensor
15. Collar with injection junction
16. Aqua Salt pH-CLJ panel with probe and
probe holder
17. Prefilter for pH-CLJ panel
18. Connecting cable for Master-Slave
19. Connecting cable for brine pump

NEW CONFIGURATION MASTER / SLAVE

Thanks to the new MASTER / SLAVE version (available on request), you can now connect in parallel any desired number of AQUA SALT systems. In this way the chlorine generation capacity is not limited to 40g per hour but can reach any required value. When connecting MASTER / SLAVE, the main system (MASTER) powers on the N secondary systems (SLAVE). The Master System can be either Standard / PH / PH - RX / PH - CLJ. The SLAVE system is always a Standard type.

To order your MASTER / SLAVE system please contact the sales offices of AQUA SPA.



02 | COMMERCIAL SALT CHLORINATOR

AutoChlor

LOW SALT WATER ELECTROLYSERS CHLORINE GENERATOR

✓ Technical features

- Reverse polarity leads to reduction in maintenance by de-scaling calcium build-up on the electrode
- Powered by Switch Mode Power Supply (SMPS)
- Considerably more efficient than transformer powered electrolyzers/ chlorine generators
- Expected electrode life: 45,000 hours
- Build-in cell cleaning function
- Sealed, internally cooled power supply (IP44)
- Skid mounted modular design
- TDS Range: 1,200 – 4,000 ppm
- Warranty: 3 years



Q Models

MODEL	CHLORINE g/h		POWER KW		MINIMUM WATER FLOW	DN	DIMENSION	PACKING	WEIGHT	VOLUME
	at 1200 mg/l TDS	at 2500 mg/l TDS	at 1200 mg/l TDS	at 2500 mg/l TDS			L x W x H (cm)		kg	m ³
FDCN-65	65	98	1.1	0.93	80	50	120 x 62 x 127	1	172	
FDCN-100	98	147	1.66	1.39	120	50	120 x 62 x 127	1	178	
FDCN-130	130	196	2.2	1.85	230	80	137 x 62 x 148	1	234	
FDCN-200	195	294	3.31	2.78	230	80	137 x 62 x 148	1	238	
FDCN-260	260	392	4.41	3.7	480	100	160 x 65 x 159	1	310	
FDCN-325	325	490	5.51	4.63	480	100	160 x 65 x 159	1	320	
FDCN-400	390	588	6.61	5.55	480	100	160 x 65 x 159	1	340	
FDCN-550	552	833	9.36	7.86	750	125	140 x 100 x 159	1	470	
FDCN-650	650	980	11.02	9.25	750	125	140 x 100 x 159	1	490	
FDCN-800	780	1180	13.22	11.14	900	150	156 x 940 x 159	1	540	
FDCN-1100	1105	1670	18.73	15.77	1280	150	166 x 118 x 159	1	740	
FDCN-1300	1300	1742	22.03	16.45	1710	150	166 x 118 x 159	1	890	
FDCN-1700	1660	2500	28.14	23.6	1920	200	175 x 160 x 159	1	1170	
FDCN-2000	1950	2613	33.05	24.66	2250	250	175 x 160 x 159	1	1340	
FDCN-2200	2210	3330	37.46	31.44	2580	250	186 x 185 x 159	1	1650	
FDCN-2600	2600	3480	44.07	32.88	3000	250	186 x 185 x 159	1	1980	
FDCN-2800	2760	4165	46.78	39.32	3200	300	256 x 203 x 159	1	2470	
FDCN-3300	3315	4998	56.27	47.18	3750	300	270 x 203 x 159	1	2580	
FDCN-4000	3900	5226	66.1	49.33	4500	300	270 x 203 x 159	1	2750	

SALT WATER ELECTROLYSERS

AutoChlor™

✓ Technical features

- Reverse polarity leads to reduction in maintenance by de-scaling calcium build-up on the electrode
- Powered by Switch Mode Power Supply (SMPS)
- Considerably more efficient than transformer powered chlorine generators
- Expected electrode life: 45,000 hours
- Build-in cell cleaning function
- Sealed, internally cooled power supply
- Skid mounted design (IP44)
- Salinity 4,000 ppm – 35,000 ppm / sea water
- Warranty: 3 years



09

🔍 Models

MODEL	CHLORINE	POWER CONSUMPTION	MINIMUM WATER FLOW	PIPE DN	DIMENSION	PACKING	WEIGHT	VOLUME
	Grams/Hours	kW	Liters/Minute		L x W x H (cm)		kg	m³
SRC-100	100	0.58	150	50	92 x 78 x 113	1	140	
SRC-150	150	0.87	150	50	92 x 78 x 113	1	160	
SRC-200	200	1.16	150	50	100 x 97 x 112	1	190	
SRC-300	300	1.74	150	50	100 x 97 x 112	1	200	
SRC-400	400	2.32	150	50	101 x 102 x 123	1	210	
SRC-500	500	2.9	150	50	101 x 102 x 123	1	220	
SRC-625	625	3.63	150	50	101 x 102 x 123	1	200	
SRC-800	800	4.64	480	100	160 x 65 x 159	1	350	
SRC-1000	1000	5.8	390	80	140 x 100 x 159	1	400	
SRC-1250	1250	7.25	390	80	140 x 100 x 159	1	420	
SRC-1500	1500	8.7	390	80	140 x 100 x 159	1	450	
SRC-2000	2000	11.6	720	125	170 x 118 x 159	1	650	
SRC-2500	2500	14.5	720	125	170 x 118 x 159	1	700	
SRC-3000	3000	17.4	720	125	170 x 118 x 159	1	750	



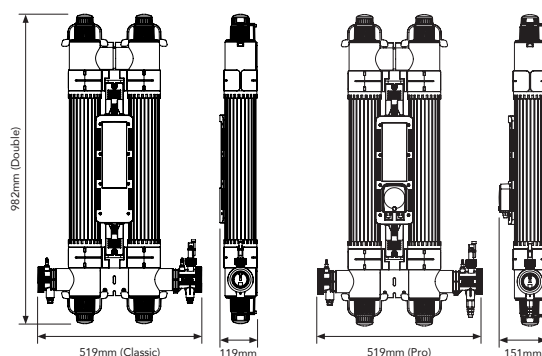
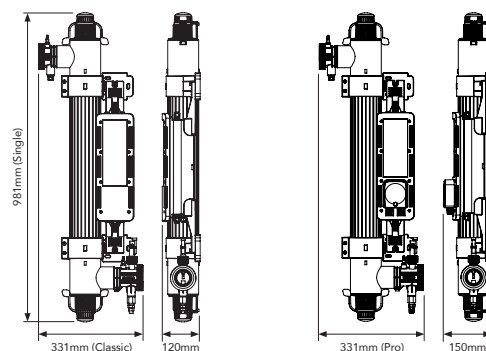
03 | "QUANTUM"

ELECO
ENGINEERING

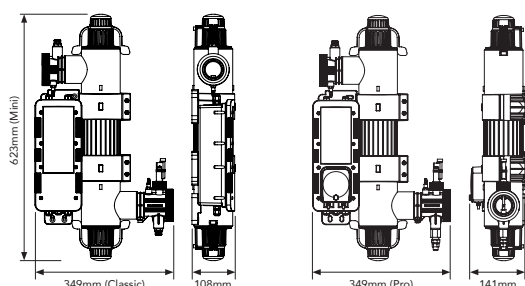
✓ Technical features

Quantum uses new ceramic Nano Crystal technology, a prime focus of the science world today; possessing the power to sterilise sewage into drinking water without the use of chemicals.

- Photocatalytic TiO₂/Mo oxidiser and clarifier
- Combined photocatalytic, hydroxyl radical and UV technology
- Eliminates contaminants, leaving water looking clean, fresh and crystal clear
- Reduces the need for chemicals in the pool
- Keeps your family safe from dangerous micro-organisms such as cryptosporidium, adenoviruses and naegleria fowleri
- Optional smart peristaltic dosing system for chlorine and hydrogen peroxide (Pro model only)
- Powerful sterilisation and eliminates the smell of chlorine
- Average lamp life expectancy: 2 years
- Equipped with intelligent lamp life indicator
- Sea and salt chlorinated water compatible
- Available in three sizes: Mini (35m³), Single (65m³) and Double (130m³)
- Models: Classic and Pro

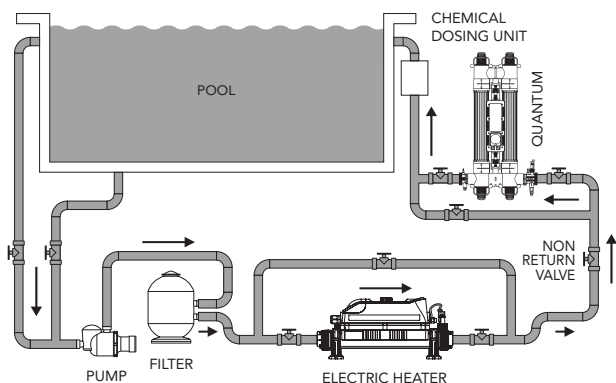
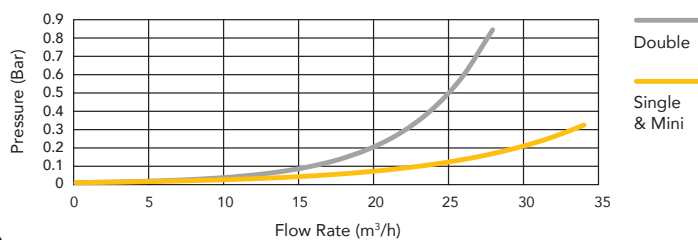


📏 Dimensions

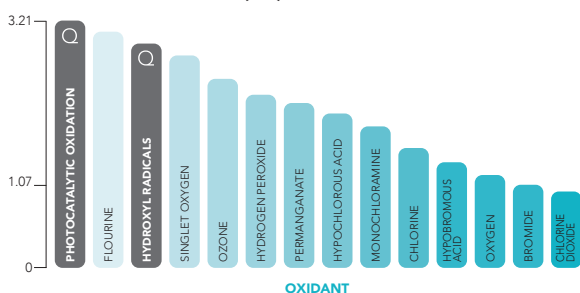
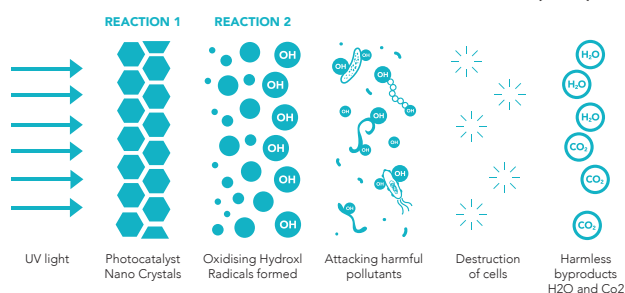


🔍 Models

MODEL	100~240V 1-PHASE	LAMP OUTPUT (W)	MAX. POOL VOL (M ³)	FEATURES	PACKING	NET WEIGHT (KG)	GROSS WEIGHT (KG)	GROSS VOL (M ³)
Q-35-UK	MINI CLASSIC	30	35	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	5.17	7.00	0.0639
QP-35-UK	MINI PRO	30	35	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	5.77	7.60	0.0639
Q-65-UK	SINGLE CLASSIC	55	65	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	7.29	9.68	0.0996
QP-65-UK	SINGLE PRO	55	65	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	8.09	10.48	0.0996
Q-130-UK	DOUBLE CLASSIC	110	130	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	12.15	15.15	0.1393
QP-130-UK	DOUBLE PRO	110	130	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	12.65	15.65	0.1393

SYSTEM SETUP**PRESSURE DROP****SPECIFICATIONS**

Power supply:	Single Phase 100V ~ 240V	Lamp life:	9,000 - 14,000 hours
Min. flow rate:	1.5m³/h	Dosing rate:	Exceeds the equivalent of 30mj/cm² at maximum flow rate
Max. flow rate:	Mini: 10,000 litres per hour; 10m³/h Single: 14,000 litres per hour; 14m³/h Double: 28,000 litres per hour; 28m³/h	Ingress protection rating:	IP64
Max. pool size:	Mini: 35,000 litres; 35m³ Single: 65,000 litres; 65m³ Double: 130,000 litres; 130m³	Frequency: 50/60 Hz	50/60 Hz
Max. power consumption:	Mini: 40W Single: 64W Double: 128W	Working pressure:	3 Bar maximum
Lamp:	Lamp: Low pressure/high output	Water connections:	2"/63mm stepped ABS unions + reducers 1½"/50mm
		Salt water:	100% chlorinated salt and sea water safe
		Mounting:	Vertical or horizontal wall mounting
		Oxidisation processes:	Quantum photocatalytic oxidiser (PCO) & hydroxyl radicals (HO)

**OXIDISATION****OXIDATION STRENGTH (EV)****THE SCIENCE BEHIND PHOTOCATALYTIC OXIDATION (PCO)**



04 | PRO POOL UV

Vulcan

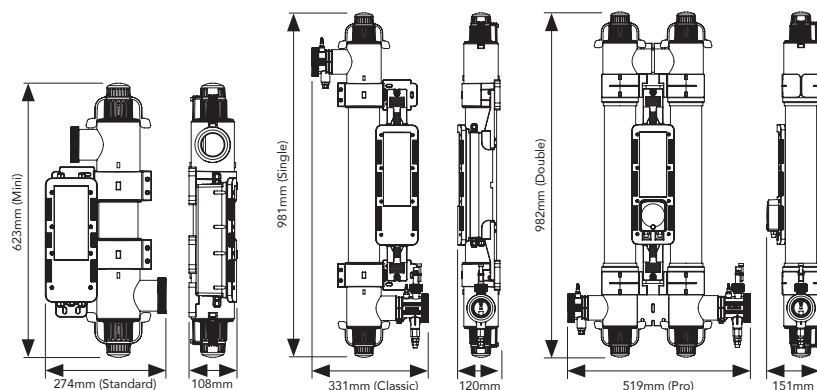
✓ Technical features

The super reflective properties of the VULCAN ProPool UV, optimises UV-C radiation and dramatically increases performance.

- Highest UV reflective index on the market equating to supreme efficiency
- Titanium reaction chamber is extremely repellent, maintaining UV reflectivity
- No harmful gases or by-products produced
- Neutralises bacteria, viruses, algae and fungi that traditional chemicals cannot
- Optional smart peristaltic dosing system for chlorine/hydrogen peroxide
- Powerful sterilisation and eliminates the smell of chlorine
- Average lamp life expectancy: 2 years
- Equipped with intelligent lamp life indicator
- Salt and sea water compatible



Dimensions

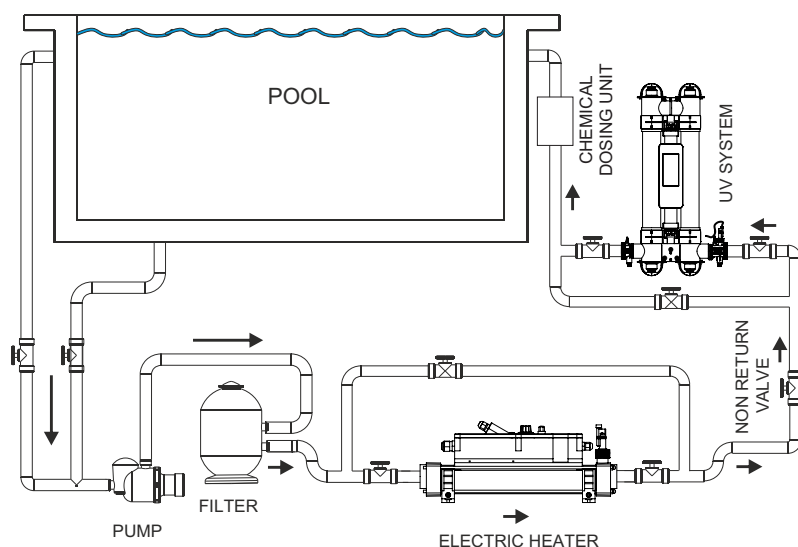


Q Models

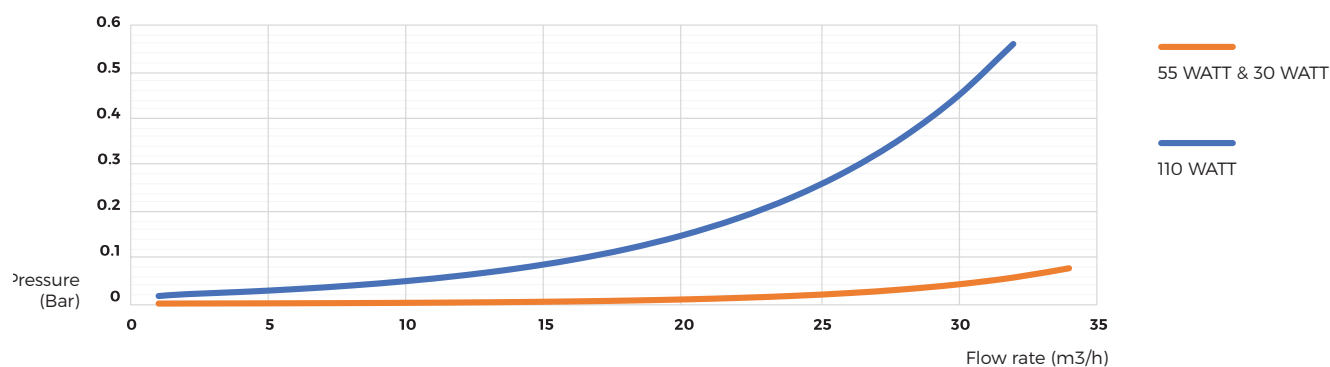
MODEL	MAX.POOL VOL (M3)	FEATURES	PACKING	NET WEIGHT (KG)	GROSS WEIGHT (KG)	GROSS VOL (M3)
V-PP1-30	30	Basic version	1	5.9	7.8	0.08
V-PP1-55	55	Basic version	1	6.4	9	0.11
V-PP1-110	110	Basic version	1	10.2	13.7	0.15
V-PP2-30-UK	30	Analogue lamp life indicator & reset switch	1	6.1	8	0.08
V-PP2-55-UK	50	Analogue lamp life indicator & reset switch	1	6.6	9.2	0.11
V-PP2-110-UK	100	Analogue lamp life indicator & reset switch	1	10.4	13.9	0.15
V-PP3-30-UK	30	Digital lamp life countdown with intelligent dosing pump	1	6.4	8.3	0.08
V-PP3-55-UK	50	Digital lamp life countdown with intelligent dosing pump	1	6.9	9.6	0.11
V-PP3-110-UK	100	Digital lamp life countdown with intelligent dosing pump	1	10.9	14.3	0.15

* Without Flow Switch, lamp life indicator & reset switch

TECHNICAL DRAWING



PRESSURE DROP



SPECIFICATIONS

TYPE	DESCRIPTION
POWER SUPPLY	Single phase 100V ~ 240V
MIN. FLOW RATE	4 m³ / h
MAX. FLOW RATE	Mini Tube: 12,000 litres per hour; 12m³/h Single Tube: 16,000 litres per hour; 16 m³/h Double Tube: 32,000 litres per hour; 32 m³/h
MAX. POOL SIZE	Mini Tube: 30,000 liters; 30m³ Single Tube: 55,000 litres; 55m³ Double Tube: 110,000 litres; 110m³
MAX. POWER CONSUMPTION	Mini Tube: 40W Single Tube: 64W Double Tube: 128W
LAMP	Low pressure / high output
LAMP LIFE	9,000 hours
DOSING RATE	Exceeds the equivalent of 30mj/cm² at max. flow rate
INTERNATIONAL PROTECTION MARKING	IP64
FREQUENCY	50/60 Hz
WORKING PRESSURE	3 Bar maximum
WATER CONNECTIONS	2" / 63mm stepped ABS unions + reducers 1½" / 50mm
SALT WATER	100% sea water safe
MOUNTING	Floor or wall mounting
OXIDISATION PROCESSES	UV

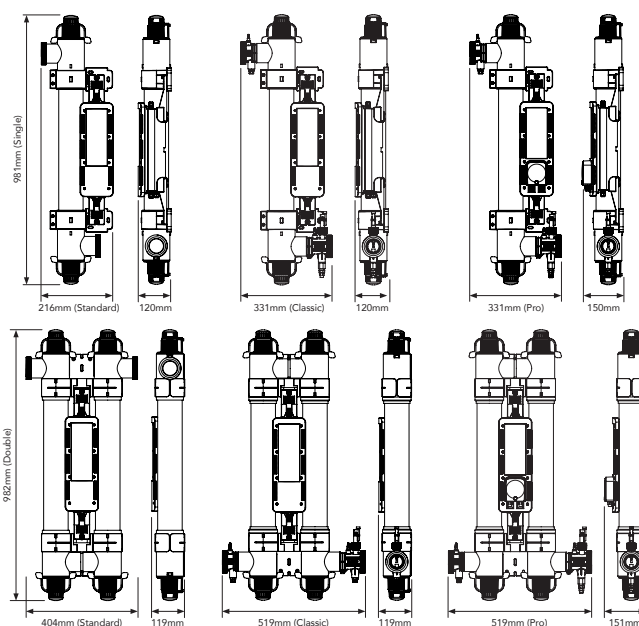
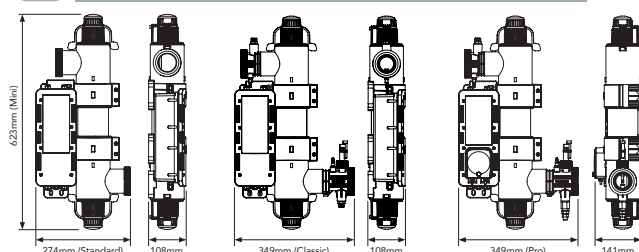


05 | HR UV-C

ELECO
ENGINEERING **Technical features**

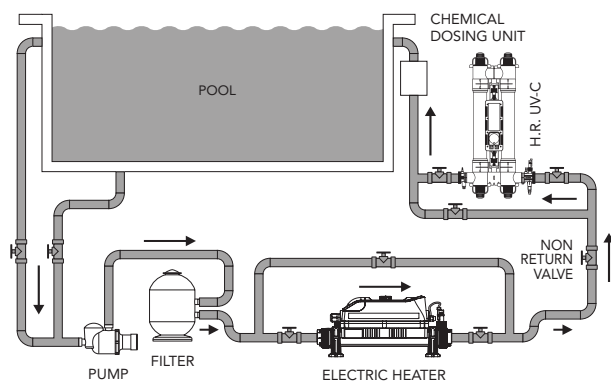
The super reflective properties of the H.R. UV-C optimises UV-C radiation and dramatically increases performance.

- Highest UV reflective index on the market equating to supreme efficiency
- E-PTFE reaction chamber is extremely repellent, maintaining UV reflectivity
- Up to 95% reflection amplifying the exposure of microorganisms to UV
- No harmful gases or by-products produced
- Neutralises bacteria, viruses, algae and fungi that traditional chemicals cannot
- Optional smart peristaltic dosing system for chlorine/ hydrogen peroxide (Pro model only)
- Powerful sterilisation and eliminates the smell of chlorine
- Average lamp life expectancy: 2 years
- Equipped with intelligent lamp life indicator (Classic & Pro models only)
- Sea and salt chlorinated water compatible
- Available in three sizes: Mini (30m3), Single (55m3) and Double (110m3)
- Models: Standard, Classic and Pro

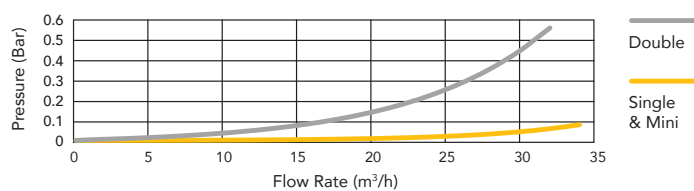
 **Dimensions** **Models**

MODEL	100~240V 1-PHASE	LAMP OUTPUT (W)	MAX.POOL VOL (M3)	FEATURES	PACKING	NET WEIGHT (KG)	GROSS WEIGHT (KG)	GROSS VOL (M3)
HR-30-B	MINI STANDARD	30	30	STANDARD FEATURES	1	4.53	6.06	0.0639
HR-30-UK	MINI CLASSIC	30	30	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	4.83	6.70	0.0639
HRP-30-UK	MINI PRO	30	30	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	5.44	6.92	0.0639
HR-55-B	SINGLE STANDARD	55	55	STANDARD FEATURES	1	4.63	6.44	0.0741
HR-55-UK	SINGLE CLASSIC	55	55	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	6.67	9.05	0.0996
HRP-55-UK	SINGLE PRO	55	55	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	6.62	9.01	0.0996
HR-110-B	DOUBLE STANDARD	110	110	STANDARD FEATURES	1	7.66	10.01	0.0987
HR-110-UK	DOUBLE CLASSI	110	110	FLOW SWITCH, ANALOGUE LAMP LIFE INDICATOR & RESET SWITCH	1	9.45	12.45	0.1393
HRP-110-UK	DOUBLE PRO	110	110	FLOW SWITCH, DIGITAL LAMP LIFE COUNTDOWN & INTELLIGENT DOSING PUMP	1	10.01	13.01	0.1393

SYSTEM SETUP



PRESSURE DROP



SPECIFICATIONS

Power supply:	Single Phase 100V ~ 240V	Lamp life:	9,000 hours
Min. flow rate:	1.5m³/h	Dosing rate:	Exceeds the equivalent of 30mj/cm² at maximum flow rate
Max. flow rate:	Mini: 12,000 litres per hour; 12m³/h Single: 16,000 litres per hour; 16m³/h Double: 32,000 litres per hour;	Ingress protection rating:	IP64
Max. pool size:	32m³/h Mini: 30,000 litres; 30m³ Single: 55,000 litres; 55m³ Double: 110,000 litres; 110m³	Frequency: 50/60 Hz	50/60 Hz
Max. power consumption:	Mini: 40W Single: 64W Double: 128W	Working pressure:	3 Bar maximum
Lamp:	Lamp: Low pressure/high output	Water connections:	2"/63mm stepped ABS unions + reducers 1½"/50mm
		Salt water:	100% chlorinated salt and sea water safe
		Mounting:	Vertical or horizontal wall mounting
		Oxidisation processes:	UV





06 | UV SYSTEM INDIUM



✓ Technical features

- Equipped with standard connections with BSP thread for maximum compatibility and easy installation
- Tubes of ultrapure quartz, obtained by extrusion and having a minimum permeability of 95% to guarantee the maximum efficiency of germicidal lamps
- The locking connectors, as well the disinfection chambers, are made with AISI-316L stainless steel
- Germicidal lamps with new technology Indium+, high efficiency and long life. These lamps utilize a special combination of alloys to control the internal mercury vapor pressure across a wide temperature range. The result is maximum UV intensity for virtually all applications
- Power supply: 230V AC -50/60Hz



Q Models

CODE	SH i+10	SH i+20	SH i+40	SH i+60	SH i+100	SH i+200
MAX. WORK TEMP	35°C	35°C	35°C	35°C	35°C	35°C
WORK PRESSURE	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar
FLOW RATE	10000 lt/h	20000 lt/h	40000 lt/h	60000 lt/h	100,000 lt/h	200,000 lt/h
POWER ABSORBED	210 Watt	420 Watt	820 Watt	1220 Watt	1600 Watt	2660 Watt
LAMPS	1x200W	2x200W	4x200W	6x200W	4x330W	8x320W
LAMPS LIFE	16000 Hours	16000 Hours	16000 Hours	16000 Hours	16000 Hours	16000 Hours
UV DOSE	>400 mw/cm ²	>400 mw/cm ²	>400 mw/cm ²	>400 mw/cm ²	>400 mw/cm ²	>400 mw/cm ²
CHAMBER MATERIAL	S.Steel AISI316	S.Steel AISI316	S.Steel AISI316	S.Steel AISI316	S.Steel AISI316	S.Steel AISI316
DRAIN	1/4"	1/4"	1/2"	1/2"	1"	1"
PORT SIZE IN-OUT	2" Gas M	2 1/2" Gas M	DN80	DN100	DN125	DN200
TOTAL HOUR COUNTER	Yes	Yes	Yes	Yes	Yes	Yes
UV METER	Optional	Optional	Optional	Optional	Optional	Optional
TEMPERATURE CONTROL	Yes	Yes	Yes	Yes	Yes	Yes
FAULTS ALERT	Yes	Yes	Yes	Yes	Yes	Yes
STATUS LAMP CONTROL	Yes	Yes	Yes	Yes	Yes	Yes
IP CONTROL	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55
WIDTH	155 mm	340 mm	280 mm	280 mm	280 mm	356 mm
HEIGHT	945 mm	945 mm	1130 mm	1130 mm	2000 mm	2000 mm
DEPTH	95 mm	95 mm	390 mm	390 mm	280 mm	356 mm
PACKING	1	1	1	1	1	1
WEIGHT	15	25	35	50	60	75
VOLUME	0.015	0.033	0.135	0.135	0.172	0.278

PS: Add -W to the code to include the wiping mechanism system for the above

07 | PRO UV INOX



✓ Technical features

The Pro assortment consists of a complete range of industrial UV-C equipment. The units provide healthy, clear and safe water. Pro UV INOX purifiers are the driving force in any installation; they have the ability to keep the water free of algae, bacteria and fungi. Each Pro UV-C purifier is equipped with a control cabinet. There are four options which can be combined with a suitable Pro unit and several other options including a temperature sensor and a flow switch.

- Each unit is equipped with a AISI-316L stainless steel reactor
- Each unit is equipped with a UV-C control unit, combined with a basic Control Timer, Control Monitor or Control Monitor Plus. UV-C and temperature sensors are optional
- Easy installation and maintenance



Q Models

CODE	RECOMMENDED FLOW	RECOMMENDED FLOW	RECOMMENDED FLOW	APPLICATION CONTROL SYSTEM
	at 25mj/cm ² m ³ /h	at 40mj/cm ² m ³ /h	at 60mj/cm ² m ³ /h	
PRO-UV-40/76	3.1	2.4	1.6	A/B/C
PRO-UV-75/76-A	9.0	5.7	3.8	A/B/C
PRO-UV-75/114	13.5	8.4	5.6	A/B/C
PRO-UV-140/114	27.9	17.4	11.6	A/B/C
PRO-UV-140/76	17.9	11.2	7.4	A/B/C
PRO-UV-200/76	22	15.3	10.2	A/C
PRO-UV-200/154	37	32.5	21.7	A/C
PRO-UV-420/168	49	49	43.4	A/C/D
PRO-UV-400/204	85	74.7	49.8	A/D
PRO-UV-600/219	133	112.5	75	A/D
PRO-UV-975/306	367.9	229.9	153.3	A/D
PRO-UV-1950/306	531	452	301.4	A/D

* Capacity based on 250, 400, 600 J/M2, T10mm@ 254NM = 95% MPSSM average intensity

* Please add -A, -B, -C OR -D after the UV code for your choice of control system. You can choose the control system based on your requirements and applicability as per the table above.

CODE	UV-C LAMP POWER CONSUMPTION	REACTOR Ø	REACTOR LENGTH	REACTOR SHAPE	CONNECTION	PACKING	WEIGHT	VOLUME
	W	mm	mm				kg	m ³
PRO-UV-40/76	40	76	370	L	3/4" male thread	1	8	0.03
PRO-UV-75/76	75	76	655	L	3/4" male thread	1	4	0.04
PRO-UV-75-114	75	114	850	U	2" male thread	1	9	0.06
PRO-UV-140/114	140	114	850	U	2" male thread	1	9	0.05
PRO-UV-140/76	140	76	850	U	1.5" male thread	1	5	0.06
PRO-UV-200/76	200	76	1100	U	2" male thread	1	6	0.06
PRO-UV-200/154	200	154	1100	U	90 mm flange	1	19	0.15
PRO-UV-420/168	420	168	850	U	3" male thread	1	17	0.18
PRO-UV-400/204	400	204	1100	U	110 mm flange	1	26	0.12
PRO-UV-600/219	600	219	1100	U	140 mm flange	1	37	0.18
PRO-UV-975/306	975	306	1100	U	DN 250	1	69	1.71
PRO-UV- 1950/306	1950	306	1100	U	DN 250	1	77	1.71



SMART PIN TECHNOLOGY

The VGE Pro UV-C Purifiers are equipped with the unique Smart Pin Technology (SPT). This innovative system is a reliable way to integrate the UV-C lamp(s) in a safe, efficient and smart way in a reactor. The SPT makes it possible to replace the lamp safely, although the system remains filled with water. If the lamp is mistakenly left on during the replacement, it will switch off automatically as soon as it is removed from the socket. Due to the seal between the lamp socket and lamp, the system can be used in situations where IPx4 is required. The high-quality ceramic is an excellent electrical insulator and is resistant to corrosion. A visual observation of the operation of the lamp is no problem through various transparent parts.



Benefits:

- Prevents the release of harmful UV-C radiation
- Changing the UV-C lamp whilst water remains in the system
- Resistant to corrosion
- Splash proof
- Visual inspection for operation of the lamp
- Clamping system for optimal seal function
- Lamp replacement without tools

PRO CONTROL UNITS

Each Pro UV-C purifier is equipped with a control cabinet. The following overview provides the advantages per control unit for a Pro UV-C purifier.

CONTROL UNIT	PRO UV BASIC A	PRO UV CONTROL TIMER B	PRO UV CONTROL MONITOR C	PRO UV CONTROL MONITOR PLUS D
				
ELECTRICAL BALLAST	✓	✓	✓	✓
MICROPROCESSOR CONTROLLED FUNCTIONS			✓	✓
UV MONITORING BY SENSOR			✓	✓
TEMPERATURE MONITORING ON SENSOR				✓
TEMPERATURE MONITORING ON BASE BOARD				✓
LAMP HOUR COUNTER		✓	✓	✓
ACTUAL LAMP CURRENT AND LAMP POWER				✓
SWITCH ON CYCLE COUNTER			✓	✓
INTERLOCK INPUT FOR EXTERNAL FLOW SWITCH			✓	✓
INRUSH CURRENT LIMITATION				✓
LCD DISPLAY AND BUTTONS MOUNTED IN THE FRONT		✓	✓	✓
MAIN SWITCH			✓	✓
MULTI-COLOUR DISPLAY			✓	✓
POLYCARBONATE CABINET			✓	
ABS CABINET	✓	✓		
STEEL POWDER COATED CABINET				✓
ALARM FUNCTIONS UV TEMPERATURE FAILED LAMPS			✓	✓
STOP IF ERROR AND ALARM FUNCTION				✓
REMOTE SWITCH, INTERLOCK AND MAIN SWITCH				✓
MULTIPLE LANGUAGES			✓	✓
REALY CONTACTS			✓	✓
4-20MA SIGNAL INPUT /OUTPUT			✓	✓
LAMP/BALLST SAFETY MECHANISMS				✓
DIMENSION CONTROL UNIT	380 X 190 X 130 MM 378 X 278 X 180 MM 560 X 380 X 180 MM	350 X 100 X 180 MM	300 X 320 X 110 MM	450 X 300 X 210 MM 400 X 300 X 150 MM

08 | PRO UV HDPE



✓ Technical features

The Pro assortment consists of a complete range of industrial UV-C equipment. The units provide healthy, clear and safe water. Pro UV HDPE purifiers are the driving force in any installation; they have the ability to keep the water free of algae, bacteria and fungi. Each Pro UV-C purifier is equipped with a control cabinet. There are four options which can be combined with a suitable VGE Pro unit and several other options including a temperature sensor and a flow switch.

Benefits:

- Each unit is equipped with a HDPE reactor
- Each unit is equipped with a UV-C control unit, combination with a basic Control Timer, Control Monitor or Control Monitor Plus. UV-C and temperature sensors are optional
- Easy installation and maintenance



Q Models

CODE	RECOMMENDED FLOW			APPLICATION CONTROL SYSTEM
	at 25mj/cm ² m ³ /h	at 40mj/cm ² m ³ /h	at 60mj/cm ² m ³ /h	
PRO-HD-UV-75/110	13.5	8.4	5.6	A/B/C
PRO-HD-UV-140/110	22	15.1	10.1	A/B/C
PRO-HD-UV-200/110	22	20.4	13.6	A/C
PRO-HD-UV-200/160	37	29.4	19.6	A/C
PRO-HD-UV-400/200	79	68.1	45.4	A/D
PRO-HD-UV-600/225	129	100.6	67.1	A/D
PRO-HD-UV-975/315	338.4	211.5	141.0	A/D
PRO-HD-UV-1950/315	445	415.2	276.8	A/D

* Capacity based on 300, 400, 600 J/M2, T10mm@ 254NM = 95% MPSSM average intensity

* Please add -A, -B, -C OR -D after the UV code for your choice of control system. You can choose the control system based on your requirements and applicability as per the table.

CODE	UV-C LAMP POWER CONSUMPTION	REACTOR Ø	REACTOR LENGTH	REACTOR SHAPE	CONNECTION	PACKING	WEIGHT	VOLUME
	W	mm	mm				kg	m ³
PRO-HD-UV-75/110	75	110	850	U	2" male thread	1	4	0.05
PRO-HD-UV-140/110	140	110	850	U	2" male thread	1	4	0.05
PRO-HD-UV-200/110	200	110	1100	U	3" male thread	1	4	0.15
PRO-HD-UV-200/160	200	160	1100	U	90 mm flange	1	8	0.15
PRO-HD-UV-400/200	2 X 200	200	1100	U	110 mm flange	1	15	0.18
PRO-HD-UV-600/225	3 X 200	225	1100	U	140 mm flange	1	18	0.20
PRO-HD-UV-975/315	3 X 325	315	1670	U	250 mm flange	1	82	1.71
PRO-HD-UV-1950/315	3 X 325	315	1670	U	250 mm flange	1	85	1.71



The Pro UV-C Purifiers are equipped with the unique Smart Pin Technology (SPT). This innovative system is a reliable way to integrate the UV-C lamp(s) in a safe, efficient and smart way in a reactor. The SPT makes it possible to replace the lamp safely, although the system remains filled with water. If the lamp is mistakenly not turned off during the replacement, it will switch off automatically as soon as it is removed from the socket. Due to the seal between the lamp socket and lamp, the system can be used in situations where IPx4 is required. The high-quality ceramic is an excellent electrical insulator and is resistant to corrosion. A visual observation of the operation of the lamp is no problem through various transparent parts.

- Prevents the release of harmful UV-C radiation
- Changing the UV-C lamp whilst water is in the system
- Resistant to corrosion
- Splash proof
- Visual inspection for operation of the lamp
- Clamping system for optimal seal function
- Lamp replacement without tools



CONTROL UNIT	PRO HD UV BASIC A	PRO HD UV CONTROL TIMER B	PRO HD UV CONTROL MONITOR C	PRO HD UV CONTROL MONITOR PLUS D
				
ELECTRICAL BALLAST	✓	✓	✓	✓
MICROPROCESSOR CONTROLLED FUNCTIONS	-	-	✓	✓
UV MONITORING BY SENSOR	-	-	✓	✓
TEMPERATURE MONITORING ON SENSOR	-	-	-	✓
TEMPERATURE MONITORING ON BASE BOARD	-	-	-	✓
LAMP HOUR COUNTER	-	✓	✓	✓
ACTUAL LAMP CURRENT AND LAMP POWER	-	-	-	✓
SWITCH ON CYCLE COUNTER	-	-	✓	✓
INTERLOCK INPUT FOR EXTERNAL FLOW SWITCH	-	-	✓	✓
INRUSH CURRENT LIMITATION	-	-	-	✓
LCD DISPLAY AND BUTTONS MOUNTED IN THE FRONT	-	✓	✓	✓
MAIN SWITCH	-	-	✓	✓
MULTI-COLOUR DISPLAY	-	-	✓	✓
POLYCARBONATE CABINET	-	-	✓	-
ABS CABINET	✓	✓	-	-
STEEL POWDER COATED CABINET	-	-	-	✓
ALARM FUNCTIONS UV TEMPERATURE FAILED LAMPS	-	-	✓	✓
STOP IF ERROR AND ALARM FUNCTION	-	-	-	✓
REMOTE SWITCH, INTERLOCK AND MAIN SWITCH	-	-	-	✓
MULTIPLE LANGUAGES	-	-	✓	✓
RELAY CONTACTS	-	-	✓	✓
4-20MA SIGNAL INPUT /OUTPUT	-	-	✓	✓
LAMP/BALLAST SAFETY MECHANISMS	-	-	-	✓
DIMENSION CONTROL UNIT	380 X 190 X 130 MM 378 X 278 X 180 MM 560 X 380 X 180 MM	350 X 100 X 180 MM	300 X 320 X 110 MM	450 X 300 X 210 MM 400 X 300 X 150 MM

09 | NANO TECH MPUV

A NON-TOXIC ALTERNATIVE

✓ Technical features

The NT-MPUV series of medium pressure ultraviolet units is designed for easy installation. The system provides a cost effective solution for disinfection and chloramine reduction in commercial pools.

Medium pressure UV systems are highly effective against highly infectious

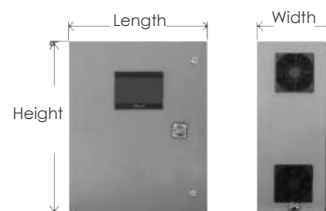
Cryptosporidium parvum and Giardia lamblia species which can exist in swimming pool water. These are virtually unaffected by the levels of chlorine used to sanitise swimming pools. As a direct result of its interaction

with pollutants, the chlorine in a pool produces chloramines which cause eye and skin irritation and unpleasant odours.

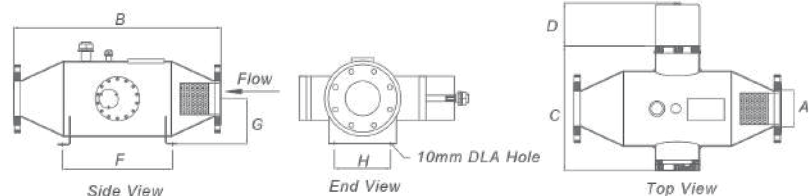
Medium pressure UV systems reduce the side effects and produce a vastly improved water quality and atmospheric environment.

- Substantial reduction in chloramines
- Medium pressure UV lamps for maximum oxidation
- Microprocessor control with data logging
- Connects to building management systems
- Automatic "Smartdrive" wiper system as standard
- Simple lamp replacement
- 316 L Stainless steel reactor vessel
- Easy to install with in-line vessel design
- Higher UV efficiency
- Typical UVT is 90% at 60 mJ/cm²
- 4 Lower power consumption
- Supply rating : 200-240/1/50-60 (V / ph / Hz)

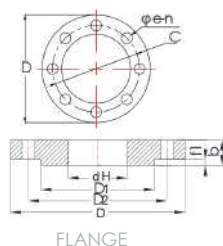
Note: UV intensity mJ/cm² requires a 4-20mA signal from a water flow rate measuring device (not supplied)



CONTROLLER


 Dimensions


REACTOR



FLANGE

DN	MODEL	D MM	D2 MM	Φ-N	BOLT SPECIFICATION	D 1 MM	DH MM	F 1 MM	B MM
80	3"	200	160	18-8	M16	132	90.5	2	20
100	4"	220	180	19-8	M16	156	116	2	22
150	6"	285	240	22-8	M20	211	170.5	2	24
200	8"	340	295	22-8	M20	266	221.5	2	24
250	10"	395	350	22-12	M20	319	276.5	2	26

 Models

MODEL	DN	FLOW RATE		LAMP POWER	CONTROL PANEL DIMENTION MM	REACTOR DIMENSIONS MM							PACKING	WEIGHT	VOLUME
		m³/h	US gpm			kw	(L X W X H)	A	B	C	D	F			
NT-MPUV40	80	40	175	1.0	600 x 300 x 600	80	740	422	195	300	200	170	1	63.5	0.465
NT-MPUV60	100	60	264	1.5	600 x 300 x 700	100	740	422	195	300	200	170	1	66	0.465
NT-MPUV105	105	105	460	2.0	600 x 300 x 700	150	800	422	195	400	200	170	1	75	0.495
NT-MPUV145	145	145	640	2.5	600 x 300 x 700	150	820	858	195	400	275	250	1	94.5	0.745
NT-MPUV170	170	170	450	3.0	600 x 300 x 700	150	820	858	195	400	275	250	1	94.5	0.745
NT-MPUV220	220	220	970	4.0	700 x 300x 1100	200	890	422	195	450	225	250	1	103	0.589
NT-MPUV300	200	300	1320	5.0	700 x 300 x1100	200	890	585	195	450	275	330	1	111.6	0.801
NT-MPUV335	250	355	1560	6.0	700 x 300 x 1100	250	890	585	195	450	275	330	1	115.6	0.801
NT-MPUV415	250	415	1825	7.0	700 x 300 x 1100	250	890	585	195	450	275	330	1	115.6	330



10 | OXYGENATION AND IONIZATION



Key Features

- Chlorine-free, salt-free, and ozone-free water sanitization.
- Advanced oxygen protection and copper ionization technology.
- Proprietary electrolysis process generating powerful oxidizing agents and copper ions for effective water treatment.
- Significantly reduces chemical consumption and operating costs.
- Improves water quality and user comfort by minimizing chemical exposure and disinfection by-products.
- Suitable for swimming pools, spas, Jacuzzis, borehole water, rainwater, ponds, fountains, and wellpoint applications.
- Easy maintenance with routine monitoring of pH and residual copper levels.
- Copper ionization provides long-lasting secondary sanitization.
- Environmentally friendly and low-maintenance water treatment solution.
- Smartphone application available for installation guidance, maintenance support, troubleshooting, and one-touch service contact.

E - CLEAR ON
TECHNOLOGIES
Healthy Water. Healthy Earth. Healthy You.



Technical features

- Electrodes require cleaning in acid solution every 6 months.
- Durable UPVC fittings and components.
- Maximum operating pressure: 16 bar.
- IP65-rated control enclosure.
- Power status indicator.
- Power supply: 240V, 50/60Hz.
- Manufacturer's warranty: 1 year.
- Pure copper ionization electrodes.
- Long-life titanium oxygen electrode.
- Maintains up to 0.5 ppm residual copper concentration.
- Copper ionization electrode is the only consumable component.
- Typical electrode service life: 12–24 months depending on water conditions and operating hours.



Models

COPPER IONIZER MODELS

CODE	POOLS CAPACITY M3	CONNEC- TION	POWER	FLOW RATE (M3/HR)	CURRENT (A)	UV LAMP (NOS) X (W)	UV DOSAGE UW/CM2	MAX. PRESSURE Bar	WEIGHT kg	VOLUME m³
MK-75	75	63	0.6	40	2.5	1 X 55	30000	16	7	0.05
MK-75UV		50/63	0.72		3					
MK-150	150	90	0.6	80	2.5	2 X 55	60000	16	10	0.06
MK-150UV		63/90	0.72		3					
MK-250	250	90	1.56	160	6.5	4 X 55	60000	16	35	0.16
MK-250UV			2.16		9					
MK-500	500	90	3.12	320	13	8 X 55	80000	16	70	0.16
MK-500UV			4.08		17					
MK-750	750	90	3.6	480	15	8 X 55	80000	16	105	0.16
MK-750UV			4.08		17					
MK-1000	1000	90	6.24	640	26	16 X 55	100000	16	140	0.16
MK-1000UV			8.16		34					

COPPER SILVER IONIZER MODELS

CODE	POOLS CAPACITY M3	CONNECTION	POWER (KW)	FLOW RATE (M3/HR)	CURRENT (A)	O2 DOSAGE MG/HR	UV LAMP (NOS) X (W)	UV DOSAGE UW/CM2	WEIGHT kg	VOLUME m³
MK-CFSI-75	75	63	0.6	40	2.5	50	1 X 55	30000	10	0.069
MK-CFSI-75UV		50/63	0.72	20	3				14	0.101
MK-CFSI-150	100	90	0.6	80	2.5	100	2 X 55	60000	12	0.075
MK-CFSI-150UV		63/90	0.72	80	3				19	0.159
MK-CFSI-250	250	90	1.56	60	6.5	300	4 X 55	60000	12	0.075
MK-CFSI-250UV			2.16	60	9				19	0.159
MK-CFSI-500	500	90	3.12	120	13	600	8 X 55	80000	12	0.075
MK-CFSI-500UV			4.08	120	17				19	0.159
MK-CFSI-750	750	90	3.6	180	15	900	8 X 55	80000	12	0.075
MK-CFSI-750UV			4.08	180	17				19	0.159
MK-CFSI-1000	1000	90	6.24	240	26	900			12	0.075
MK-CFSI-1000UV			8.16	240	34				19	0.159

COPPER IONIZER MODELS

MK7/CF1-75

FOR POOLS UP TO 75,000 LITRES

63mm electrodes chamber with 1 set of oxygen stack electrodes and 1 set of copper ionization electrodes



MK7/CF1-150

FOR POOLS UP TO 150,000 LITRES

90mm electrodes chamber with 1 set of oxygen stack electrodes and 1 set of copper ionization electrodes



MK7/CF1-250

FOR POOLS UP TO 250,000 LITRES

3 x 90mm oxygen stack electrode chambers
1 x 90mm double copper ionization electrode chamber



MK7/CF1-500

FOR POOLS UP TO 500,000 LITRES

6 x 90mm oxygen stack electrodes chambers
2 x 90mm double copper ionization electrode chambers



**MK7/CF1-750****FOR POOLS UP TO 750,000 LITRES**

9 x 90mm oxygen stack electrode chambers
3 x 90mm double copper ionization electrode chambers

OPTIONAL TOUCHSCREEN
CONTROLLER

**MK7/CF1-1000****FOR 5 POOLS UP TO 1 MILLION LITRES**

12 x 90mm oxygen stack electrodes chambers
4 x 90mm double copper ionization electrodes chambers

**COPPER SILVER IONIZER MODELS****MK-CFSI-75 / 75UV****FOR POOLS UP TO 75,000L**

63mm electrodes chamber with 2 titanium oxygen
electrodes and 2 pure copper electrodes

**MK-CFSI-150 / 150UV****FOR POOLS UP TO 150,000L**

90mm electrodes chamber with 2 titanium oxygen
electrodes and 2 pure copper electrodes

**MK-CFSI-250 / 250UV**
FOR POOLS UP TO 250,000 LITRES

3 x 90mm oxygen stack electrode chambers
2 x 90mm double copper ionization electrode chamber



MK-CFSI-500 FOR POOLS UP TO 500,000 LITRES

4 x Sets 90mm Copper Ionization Electrodes
6 x Sets 90mm Oxygen Titanium Electrodes



MK-CFSI-500UV FOR POOLS UP TO 500,000 LITRES

2 X 4 channel electronic control boxes
6 X sets oxygen stack electrode
4 x sets copper ionization electrodes



MK-CFSI-750 FOR POOLS UP TO 750,000 LITRES

9 x Sets of Oxygen Electrodes
6 x Sets of Copper Ionization Electrodes



MK-CFSI-750UV FOR POOLS UP TO 750,000 LITRES

8 x 55w UVC GERMICIDAL ULTRAVIOLET LAMPS
3 x 4 CHANNEL ELECTRONIC CONTROL BOXES
9 x SETS OXYGEN STACK ELECTRODE
6 x SETS COPPER IONIZATION ELECTRODES



MK-CFSI-1000 FOR POOLS UP TO 1 MILLION LITRES

4 x 4 Channel Electronic Control Boxes
12 x Sets of Oxygen Electrodes
8 x Sets of Copper Ionization Electrodes



MK-CFSI-1000UV FOR POOLS UP TO 1 MILLION LITRES

12 x SETS OXYGEN STACK ELECTRODE
8 x SETS 90MM COPPER ELECTRODES
16 x UVC GERMICIDAL ULTRAVIOLET LAMPS
4 x 4 CHANNEL ELECTRONIC CONTROL BOXES





11 | COPPER IONIZER UV



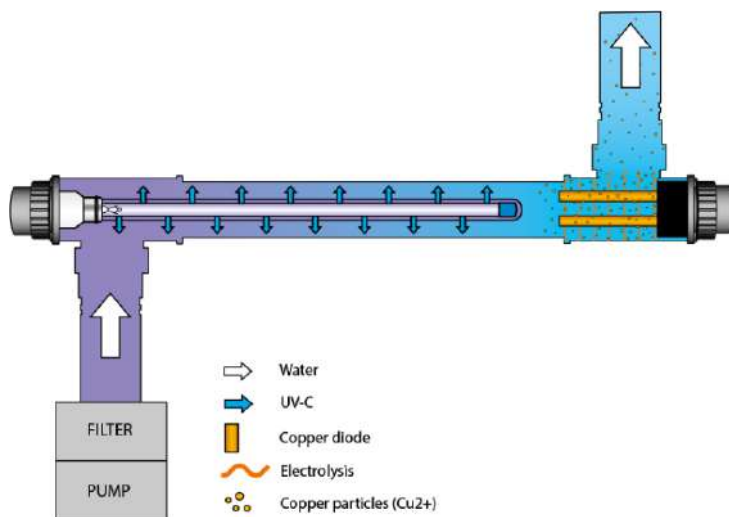
✓ Technical features

- This revolutionary combination of UV-C and copper electrolysis in one disinfection system, minimizing the use of chlorine
- A built-in electronic ballast to ensure an efficient and stable power supply
- Enables swimming with very low amount of chlorine
- Up to 35% more UV-C yield as a result of reflection
- Easy installation and maintenance
- Includes 63mm to 50mm fittings, 1.5" female threaded

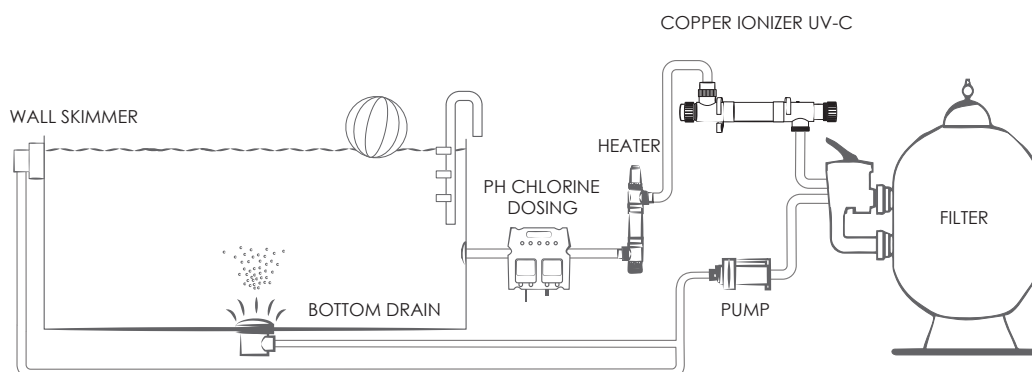
Operation:

This revolutionary combination of UV-C and copper electrolysis means you can have a chlorine-free pool! With the Blue Lagoon Copper Ionizer UV-C, you have to test your pool water once every two weeks. You only need to test your water values with the supplied test strips and, if necessary, adjust the device to the correct level.

Other ionizer systems dose approximately 2 ppm copper in your pool water. With Blue Lagoon Copper Ionizer UV-C, a dose of 0.7 ppm will be enough to safely disinfect your pool. This device is able to reduce the chlorine concentration up to 100%! Max. copper: 0.7 ppm. Connections: Ø 63mm / 50mm / 1"



POSSIBLE INSTALLATION



WHAT IS THE DISINFECTION MECHANISM OF COPPER IONIZATION?

Electrically charged copper ions (Cu^{2+}) in the water, search for particles of opposite polarity, such as bacteria, virus and fungi.

Positively charged copper ions form electrostatic compounds with negatively charged cell walls of microorganisms.

These compounds disturb cell wall permeability and cause nutrient uptake to fail. As a result, bacteria is no longer able to reproduce and therefore will eventually die. The ions remain active until they are absorbed by all microorganisms



Please notice the correct grounding

Models

CODE	UV-C-01	UV-C-02
TYPE	40,000/ 40 W	75,000/ 75 W
REC.FLOW FOR 30 MJ/CM ²	11 m ³ /h	16 m ³ /h
MAX.PRESSURE	2	2
MAX.FLOW	23	23
DIAMETER UNIT	70 mm	70 mm
LENGTH UNIT	100 cm	100 cm
DIAMETER IN -OUTLET	63 mm/50 mm/1.5"	63 mm/50 mm/1.5"
STAINLESS STEEL	316 L	316 L
ELECTRONIC BALLAST	230V AC 50/60Hz	230V AC 50/60Hz
MAXIMUM CURRENT	0.29A	0.29A
LAMP POWER	40 W	75 W
LAMP	T5 40 W Ionizer	T5 75 W Ionizer
LIFESPAN LAMP	9.000 h	9.000 h
COPPER IONIZER	0.7 ppm	0.7 ppm
REPLACE LAMP ALERT	YES	YES
WEIGHT	5 KG	5.2 KG
PACKING	1	1
VOLUME	0.042	0.042



12 | AQUA COMPACT OZONE & UV-C

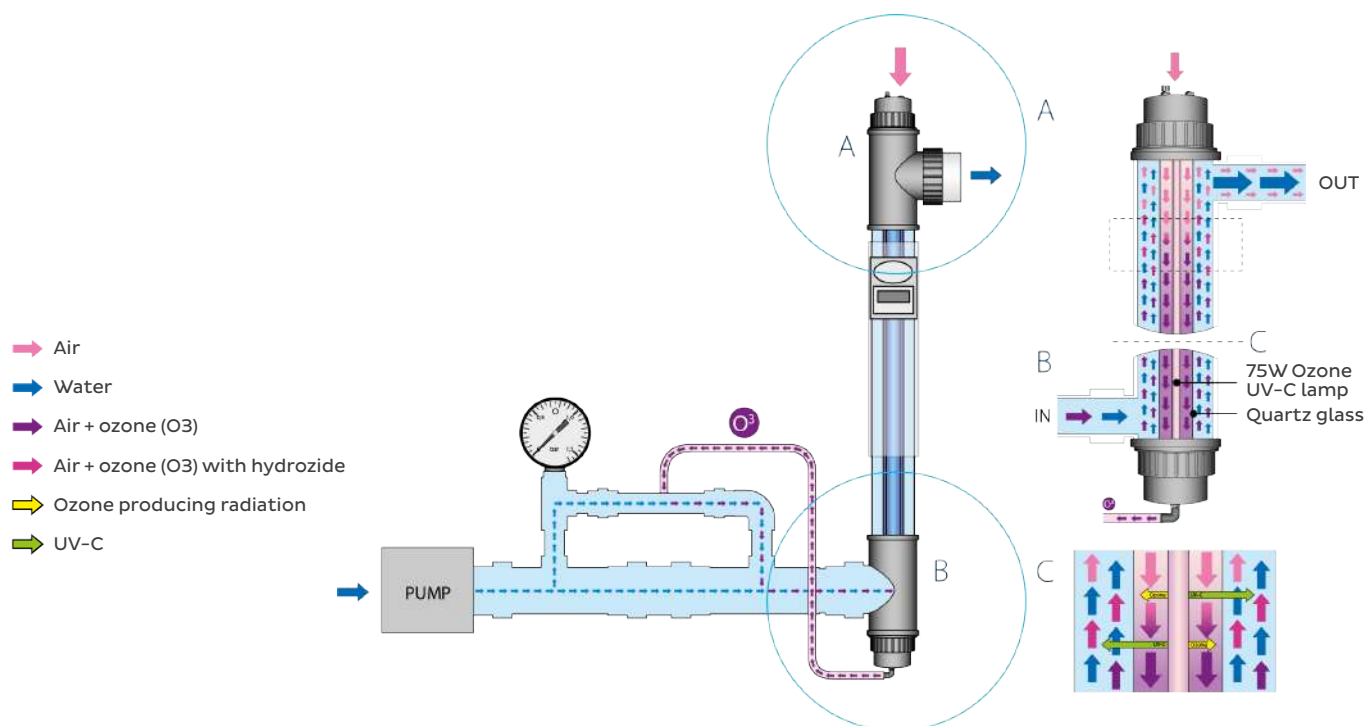


✓ Technical features

- Triple disinfection: ozone, OH radicals and UV-C
- A built-in electronic ballast to ensure an efficient and stable power supply
- Up to 35% more UV-C yield as a result of reflection
- 100% effective and constant operation
- AISI-316L stainless steel housing
- The ozone UV-C lamp produces ozone for 4,500 hours and UV-C for 9,000 hours
- The device will indicate when the lamp needs replacing
- Easy installation and maintenance

OPERATION:

This revolutionary combination of ozone and UV-C makes it possible to have a pool with minimal chlorine usage. Through the supplied venturi, air is sucked in from the outside and into the space between the UV-C lamp and the quartz sleeve. The special UV-C lamp generates radiation of both 254nm and 185nm. The 185nm radiation converts the available oxygen into ozone. The produced ozone (max. 0.6 g/h) is mixed with water through the venturi to perform its disinfecting/oxidising process. Inside the UV-C housing, any residual ozone will be converted by the 254nm UV-C radiation into OH radicals (Advanced Oxidation Process) that have an even stronger oxidising power than ozone.



The lamp has a double function, producing ozone and UV-C light at the same time. The ozone in the water will be completely broken down by the UV-C light, because OH-radicals are being produced which have a high oxidation potential. This result in oxidation of the organic pollution in the water and the UV-C light will also disinfect the water at the same time.

What is AOP?

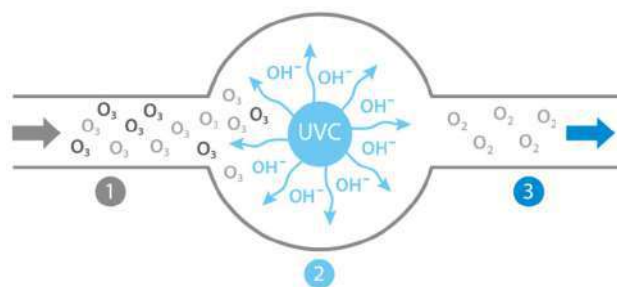
The Advanced Oxidation Process (AOP) combines the benefits of ozone and UV-C into one device. When ozone is used in combination with UV-C light in water, hydroxyl radicals (OH⁻) are created. These radicals are very effective in oxidizing the water and therefore reduction the organic pollution in the water, also chlorine disinfection by-products such as THM and chloramines are being reduced. The UV-C light not only disinfects the water very effectively (also chlorine resistant organism like Cryptosporidium and Giardia are being inactivated) but it also reduces the chloramines in the water. Since UV-C light will destroy the residual ozone in the water, there is no deozoneation device needed. AOP is a very effective and efficient way of sanitizing and disinfecting your pool. As a result the amount of chlorine in a pool can be kept to a minimum.

Benefits of AOP:

- Strong combination of ozone (oxidation) and UV-C (disinfection)
- Improves the disinfection efficiency
- Makes a pool with a minimal amount of chlorine possible
- Effective against chlorine resistant microorganisms
- Prevents skin and eye irritation
- Can be quickly added to existing filtration



Please notice the correct grounding



09

Models

CODE	UVC-03
TYPE	75.000/ 75 W
REC.FLOW FOR 30 MJ/CM2	18 m3/h
MAX.PRESSURE	2
MAX.FLOW	23
DIAMETER UNIT	70 mm
LENGTH UNIT	100 cm
DIAMETER IN -OUTLET	63 mm/50 mm/1.5"
STAINLESS STEEL	316 L
ELECTRONIC BALLAST	230V AC 50/60Hz
MAXIMUM CURRENT	0.57A
LAMP POWER	75 W
LAMP	VGE T5 75 W Ozone
LIFESPAN LAMP	4.500 HOURS OZONE - 9.000 HOURS UVC
OZONE	0.6 gr/h
REPLACE LAMP ALERT	YES
TIMER	YES
WEIGHT	6 KG
PACKING VOLUME	0.053



13 | AQUA OZONE EQUIPMENTS "POP-LI/MI/HI/I/II"

✓ Technical features

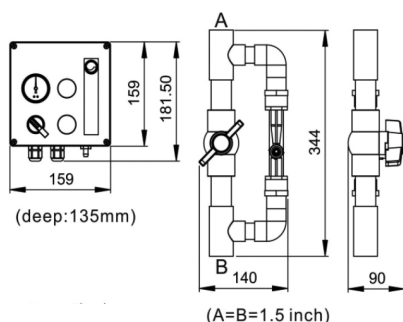
Aqua pop UV Series are wall mountable, air cooled, very ultraviolet (VUV) radiation type, ozone generator units, specifically designed for swimming pool applications.

The system incorporates VUV type Ozone generator(s), vacuum trigger box, PVDF check valve, venturi injector and manifold. The ozone contacting vessel and degas valve are optional. These packages are capable of producing ozone in 0.5g/hr, 1.0g/hr, 1.5g/hr & 4g/hr.

- Very ultraviolet (VUV) radiation
- Aluminium UV bulb housing
- UV bulb life: 10,000 hours
- Universal voltage electronic ballast(s)
- UV bulb failure indicator(s)
- Equipped with Venturi manifold
- Equipped with vacuum trigger box

Benefits:

- Clean, clear water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral pH water value

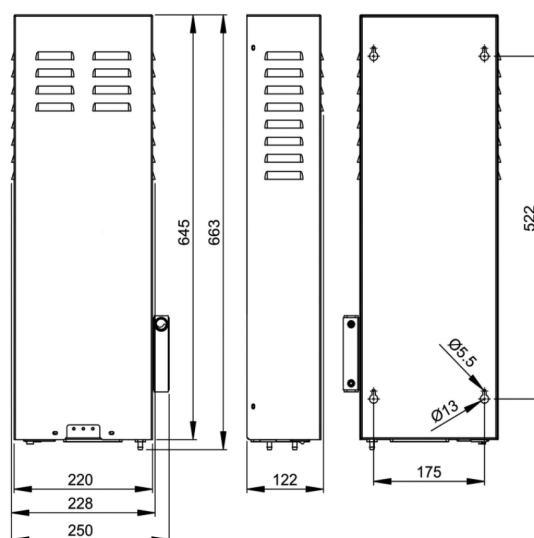


Vacuum
Trigger Box

Injector
Manifold

Ozone
Generator

Dimensions



Models

CODE	POP-LI	POP-MI	POP-HI	POP I	POP II
OZONE OUTPUT	0.5 g/hr	1.0 g/hr	1.5 g/hr	2 g/hr	4 g/hr
MATCHED POOL VOLUME *	Upto 45 m ³	Upto 90 m ³	Upto 135 m ³	Upto 180 m ³	Upto 360 m ³
EQUIPPED GENERATOR QTY.	One	One	One	One	Two
VENTURI MANIFOLD	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet
CONNECTION SIZE	2.0"/50mm	2.0"/50mm	2.0"/50mm	2.0"/50mm	2.0"/50mm
POWER REQUIREMENT ** (SINGLE PHASE)	120/240V 60/50Hz -65 W	120/240V 60/50Hz -85 W	120/240V 60/50Hz -130 W	120/240V 60/50Hz -550 W	120/240V 60/50Hz -650 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Water Head	2 m ³ @ 30 m Water Head	2 m ³ @ 30 m Water Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
LAMP(S) REPLACEABLE	Yes	Yes	Yes	Yes	Yes
WEIGHT NET/GROSS	12/17 kg	12/17 kg	13/18 kg	13/18 kg	22/32 kg
PACKING VOLUME	1 0.025 m ³	1 0.025 m ³	1 0.025 m ³	1 0.025 m ³	1 0.025 m ³

* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only.

** Does not include the power consumption of the ozone booster water pump.

14 | AQUA OZONE EQUIPMENTS "POP-III & POP-IV"

✓ Technical features

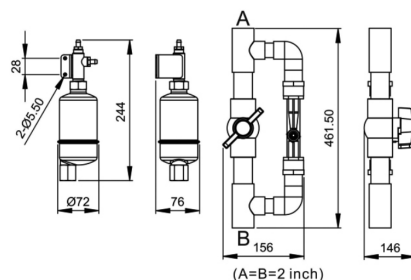
The POP-III and POP-IV are wall-mountable, air-cooled, CD type, ozone generators, specifically designed for swimming pool applications. The system incorporates an internal PSA oxygen module, with key functions of a vacuum triggered system On/Off control and ozone safe interlock, external oil-less compressor, water backflow prevention device and venturi injector manifold.

The ozone contacting vessel, degas valve and ORP controller are optional. Both systems are capable of producing ozone in 10g/hr and 20g/hr.

- Corona Discharge (CD)
- Integrated PSA module
- External oil-less compressor
- Automatic vacuum trigger
- Ozone ON/OFF control
- 4-20 ma Ozone control
- Venturi injector manifold
- Auto drain valve

Benefits:

- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water value



Injector
Manifold

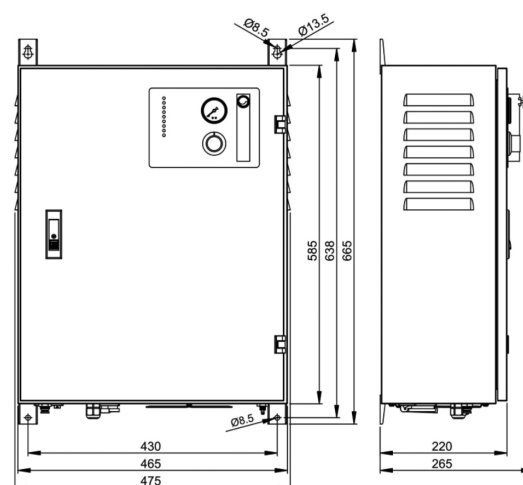


Auto Drain
Valve



Ozone
Generator

Dimensions



Q Models

CODE	POP-III	POP-IV
OZONE OUTPUT	10 g/hr	20 g/hr
MATCHED POOL VOLUME *	Upto 450 m ³	Upto 900 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (60 LPM @ 2 bar)	One (60 LPM @ 2 bar)
VENTURI MANIFOLD CONNECTION SIZE	Inlet & Outlet: 1" / 32 mm	Inlet & Outlet: 1" / 32 mm
POWER REQUIREMENT ** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -550 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
ORP CONTROLLED	Option	Option
WEIGHT NET/GROSS	24/30 kg	28/34 kg
EXTERNAL OIL-LESS COMPRESSOR WEIGHT NET/GROSS	11.5/13.5 kg	11.5/13.5 kg
PACKING	1	1
VOLUME	0.1 m ³	0.1 m ³

* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only.

** Does not include the power consumption of the ozone booster water pump.



15 | AQUA OZONE EQUIPMENTS "POS"

✓ Technical features

The POS series are turn-key, skid-mounted, air-cooled, VUV or CD type ozone/water contacting systems specifically designed for swimming pool applications. The system incorporates complete VUV or CD type, ozone generator, oil-less compressor(s), system operation and function indicator control panel, ozone injector with bypass valve, water backflow prevention device, PVC contacting vessel with degas valve, grey epoxy powder coated mild steel cabinet with stainless steel mounting base and with the key functions of a vacuum triggered system On/Off control & ozone safe interlock both for VUV & CD type, ORP controlled ozone output auto adjusting only for CD type.

The water booster pump, ORP controller and ozone destructor are optional. POS in VUV type, produces ozone in 4g/hr, 6g/hr and 8g/hr; POS in CD type, produces ozone in 10g/hr, 20g/hr, 30g/hr and 40g/hr.

- Corona Discharge (CD) or Very UV (VUV) radiation
- Integrated PSA Module(s)
- Combined contacting vessel
- Degas and auto drain valves
- Equipped with oil-less compressor(s)
- Automatic controller
- Optional Ozone booster pump
- Optional ORP controller
- Optional Ozone destructor

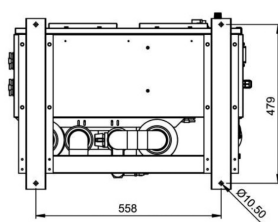
Benefits:

- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water

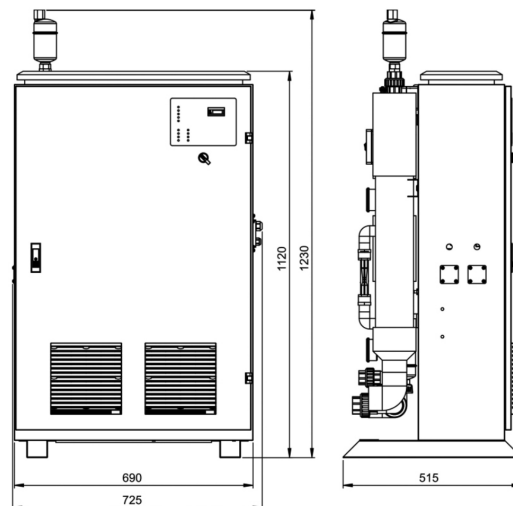
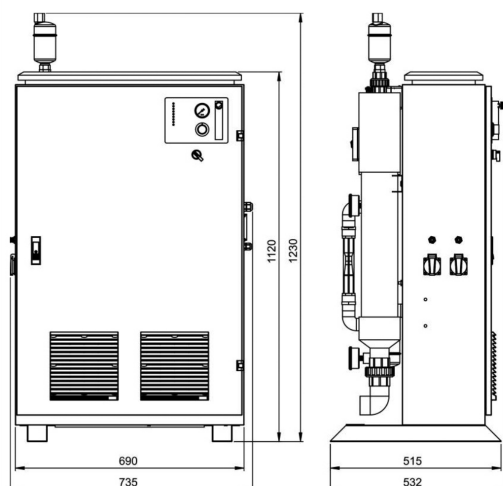
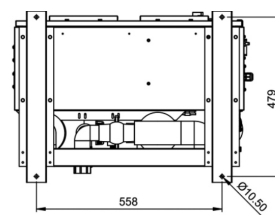


Dimensions

UV-TYPE:



CD-TYPE:



UV-TYPE:

 Models

CODE	POS-4UV	POS-6UV	POS-8UV
OZONE OUTPUT	4 g/hr	6 g/hr	8 g/hr
MATCHED POOL VOLUME *	Upto 360 m ³	Upto 540 m ³	Upto 720 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (20 LPM @ 0.05 bar)	Two (20 LPM @ 0.05 bar)	Two (20 LPM @ 0.05 bar)
WATER CONNECTION SIZE	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm
POWER REQUIREMENT ** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -550 W	120/240V 60/50Hz -650 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
OPTIONAL ORP CONTROLLED	n/a	n/a	n/a
WEIGHT NET/GROSS	80/100 kg	80/100 kg	80/100 kg
PACKING	1	1	1
VOLUME	0.65 m ³	0.65 m ³	0.65 m ³

* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only.

** Does not include the power consumption of the ozone booster water pump.

CD-TYPE:

 Models

CODE	POS-10	POS-20	POS-30	POS-40
OZONE OUTPUT	10 g/hr	20 g/hr	30 g/hr	40 g/hr
MATCHED POOL VOLUME*	Upto 450 m ³	Upto 900 m ³	Upto 1350 m ³	Upto 1800 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (60 LPM @ 2 bar)	One (60 LPM @ 2 bar)	Two (120 LPM @ 2 bar)	Two (120 LPM @ 2 bar)
WATER CONNECTION SIZE	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm
POWER REQUIREMENT** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -600 W	120/240V 60/50Hz -1050 W	120/240V 60/50Hz -1200 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
ORP CONTROLLED	Option	Option	Option	Option
WEIGHT NET/GROSS	95/115 kg	95/115 kg	95/115 kg	95/115 kg
OIL-LESS COMPRESSOR WEIGHT NET/GROSS	12.5/15 kg	12.5/15 kg	12.5/15 kg	12.5/15 kg
PACKING	1	1	1	1
VOLUME	0.65 m ³	0.65 m ³	0.65 m ³	0.65 m ³

Note: * For indoor hotel pool with middle bather load & chlorine as secondary sanitizer only.

** Not include ozone boost water pump's power consumption.



16 | AQUA OZONE EQUIPMENTS "CTO 50,100,150& 200"

✓ Technical features

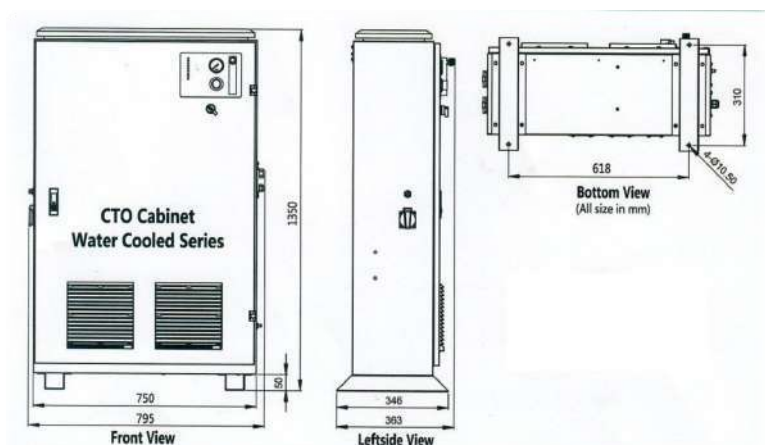
'CTO 50, 100, 150, & 200'

The CTO-30W, 40W and 60W are cabinet, water-cooled, corona discharge type ozone generators specifically designed for industrial applications. The system incorporates water-cooled quartz glass, stainless steel ozone cell, solid state high frequency power supplies, PSA oxygen concentration modules, manual adjusting & function indicating control panel, grey epoxy powder coated mild steel cabinet with mounting legs and with the key functions of ozone ON/OFF, 4-20 ma remote controls & ozone safe interlock. These systems can be fed by customer supplied tank type oil-less compressor or multi small oil-less air compressor supplies by us. These ozone generators produce ozone in 50g/hr, 100g/hr, 150g/hr and 200g/hr.

- Corona Discharge (CD)
- Integrated PSA module(s)
- Ozone ON/Off remote control
- 40-20ma Ozone remote control
- Modular design, water cooled
- Floor mounted cabinet
- 3-in-1 gas feed pneumatic device
- Optional anti backflow water solenoid valve

Benefits:

- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water value



🔍 Models

CODE	CTO-50 W	CTO-100 W	CTO-150 W	CTO-200 W
OZONE OUTPUT	50 g/hr	100 g/hr	150 g/hr	200 g/hr
OZONE OUTPUT FLOW	7.5L/min	10L/min	15L/min	20L/min
OZONE OUTPUT PRESSURE	0.4 bar (6 psi)	0.4 bar (6 psi)	0.4 bar (6 psi)	0.4 bar (6 psi)
COMPRESSED AIR REQUIREMENT (FLOW @ PRESSURE)	120 LPM @ 2 bar	120 LPM @ 2 bar	240 LPM @ 2 bar	240 LPM @ 2 bar
POWER REQUIREMENT (SINGLE PHASE)	120/240V 60/50Hz- 500 W	120/240V 60/50Hz-950 W	120/240V 60/50Hz-1450 W	120/240V 60/50Hz -1800 W
OZONE OUTPUT ON/OFF REMOTE CONTROL	Yes	Yes	Yes	Yes
OZONE OUTPUT 4-20MA REMOTE CONTROL	Yes	Yes	Yes	Yes
PACKING	1	1	1	1
VOLUME	0.75 m ³	0.75 m ³	0.75 m ³	0.75 m ³

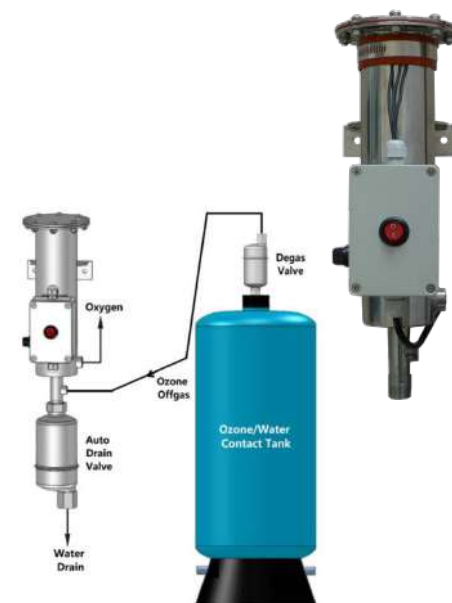
Note: * Does not include the oil-less compressor's power consumption.

17 | OZONE DESTRUCTOR

✓ Technical features

The OD-3 is wall-mountable, thermal-catalytic method, specifically designed for the destruction of ozone oil-gas vent from contacting vessel. The unit incorporates a stainless steel housing, high efficiency manganese/copper catalyst, silicon rubber heating band and fuse protected switch box with power cord. The featured micro-thermal heating design ensures water vapor does not condense on catalyst to extend catalyst service life. The unit is capable of the destruction of gas up to 3 SCFM with 99.9% efficiency

- Pressure drop: less than 1 PSI
- Destruction efficiency: 99.9%
- Power required: 25 watts, 120V/60Hz or 240V/50Hz
- Catalyst reaction type
- Constructed of AISI-304 stainless steel
- Integrated heater band
- Highly efficient destruction of ozone
- Wall mountable



Q Models

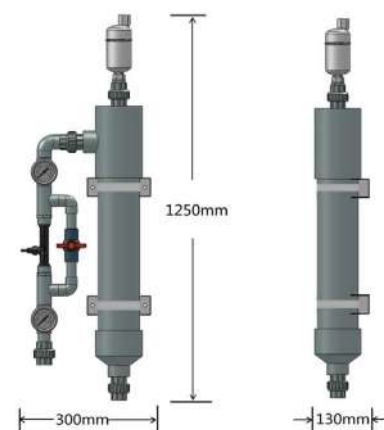
CODE	FLOW RATE	DIMENSIONS	WEIGHT	VOLUME
	m ³ /Hr		kg	m ³
OD-3	5.1	105 X 325 X 150 mm	2.2	0.025

18 | OZONE MIXING DEGAS VESSEL

✓ Technical features

The ozone mixing degas vessels (MDV) are designed in properly size and as simple as possible. The MDV-I and II have been developed to supply a high mass transfer of ozone to the processed water. An injector manifold incorporated into the vessel, draws the ozone (O₃) from the generators and mixes it with the water stream. The vessel then provides additional mixing, contact time and degassing of excess ozone, from the water, prior to the point of use. The MDV series are ozone/chlorine compatible, PVC plastic construction and includes a venturi injector, bypass valve, pressure gauges, Stainless steel degassing valve and wall mounting brackets.

- High mass transfer
 - Enhanced contact time
 - Degassing excess ozone
 - Equipped with pressure gauges
 - Ozone/chlorine compatible
 - Wall mountable
- Application:**
- Swimming pool
 - Water feature and park
 - Aquarium and aqua animal
 - Bottled water plant
 - CIP cleaning
 - Dairy farm
 - Processing water treatment



Q Models

CODE	FLOW RATE	SUCTION FLOW	CONNECTION SIZE	TEMPERATURE	WEIGHT	VOLUME
	m ³ /H	m ³ /H	mm	max	kg	m ³
MDV-1	1.5-3.0	0.9	25/32	45°C	13.5	0.025
MDV-11	3.0-5.0	1.5	32/40	45°C	13.5	0.025



10 POOL COVERS

INDEX

AQUA

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01 | AUTOMATIC COVERINGS



LOGIC DRIVE SYSTEM

✓ Technical features

In this system, the spindle is immersed in the pool and is supported with two flanges which are bolted to the pool shell. The motor that winds and unwinds the cover is located inside the spindle (Logic in roller motor) and its cable passes through the pool shell in a sleeve. The cover is operated automatically by using a key switch and the limits are programmed electronically.

- The following elements are included in the drive system:
- Stainless steel spindle made to measure
- Stainless steel flanges, 30mm shaft and locking ring
- Stainless steel sleeve through wall with flexible reinforced hose and hose clamp
- Logic motor 24V DC
- Logic 250 – IP68 – 250 Nm – 4 rpm
- Logic 500 – IP68 – 500 Nm – 4 rpm
- Control panel IP56, including touch pad, safety transformer 230V AC/24V AC - 300 VA, circuit board 24V DC 20A
- Flush or surface key switch IP54 with open, close, stop functions
- Set of straps
- Set of directional guides
- Screws, bolts and other fixings included



LOGIC DRIVE SYSTEM

	MOTOR LOGIC 250 (250 Nm)+ Spindle Ø 140 mm
	MOTOR LOGIC 250 (250 Nm)+ Spindle Ø 168 mm
	MOTOR LOGIC 250 (250 Nm)+ Spindle Ø 219 mm
	MOTOR LOGIC 500 (500 Nm)+ Spindle Ø 168 mm
	MOTOR LOGIC 500 (500 Nm)+ Spindle Ø 219 mm

🔍 Models

CODE	DESCRIPTIONS
LDS-01	MOTOR LOGIC 250 (250 NM) + SPINDLE Ø 140MM
LDS-02	MOTOR LOGIC 250 (250 NM) + SPINDLE Ø 168MM
LDS-03	MOTOR LOGIC 250 (250 NM) + SPINDLE Ø 219MM
LDS-04	MOTOR LOGIC 500 (500 NM) + SPINDLE Ø 168MM
LDS-05	MOTOR LOGIC 500 (500 NM) + SPINDLE Ø 219MM
LDS-06	SUPPLEMENT FOR PRE-CAST SET (INSTEAD OF STANDARD SLEEVE THROUGH WALL)
LDS-07	SUPPLEMENT FOR COUNTER FLANGES FOR POLYESTER POOLS
LDS-08	SET OF FRISBEES FOR LINER POOL (2 PIECES) : Ø350MM
	SET OF FRISBEES FOR LINER POOL (2 PIECES) : Ø550MM
LDS-09	REMOTE CONTROL SET – 2 CHANNELS (OPEN, CLOSE)
LDS-10	REMOTE CONTROL SET – 4 CHANNELS (OPEN, CLOSE, STOP, AUX.)
LDS-11	BLUETOOTH DEVICE O'CONNECT
LDS-12	SUPPLEMENT FOR 20M OF CABLE ON LOGIC 250 (INSTEAD OF 10M)
LDS-13	SUPPLEMENT FOR STAINLESS STEEL POOL KIT

CODE	DESCRIPTIONS	SPINDLE DEPTH UP TO (M)	POOL DIMENSIONS
			m
PCLDS-01	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.00 X 6.00
PCLDS-02	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.00 X 7.00
PCLDS-03	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.00 X 8.00
PCLDS-04	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.00 X 9.00
PCLDS-05	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.00 X 10.00
PCLDS-06	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.50 X 6.00
PCLDS-07	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	3.50 X 7.00
PCLDS-08	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.50 X 8.00
PCLDS-09	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.50 X 9.00
PCLDS-10	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	3.50 X 10.00
PCLDS-11	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.00 X 6.00
PCLDS-12	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.00 X 7.00
PCLDS-13	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.00 X 8.00
PCLDS-14	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.00 X 9.00
PCLDS-15	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.00 X 10.00
PCLDS-16	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.00 X 11.00
PCLDS-17-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.00 X 12.00
PCLDS-17-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.00 X 12.00
PCLDS-18	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 6.00
PCLDS-19	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.50 X 7.00
PCLDS-20	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 8.00
PCLDS-21-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.50 X 9.00
PCLDS-21-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 9.00
PCLDS-22-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.50 X 10.00
PCLDS-22-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 10.00



CODE	DESCRIPTIONS	SPINDLE DEPTH UP TO (M)	POOL DIMENSIONS
			m
PCLDS-23-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	4.50 X 11.00
PCLDS-23-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 11.00
PCLDS-24-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	4.50 X 12.00
PCLDS-24-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	4.50 X 12.00
PCLDS-25-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.8	5.00 X 9.00
PCLDS-25-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 9.00
PCLDS-26-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 10.00
PCLDS-26-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 10.00
PCLDS-27-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 11.00
PCLDS-27-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 11.00
PCLDS-28-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 12.00
PCLDS-28-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 12.00
PCLDS-29-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 13.00
PCLDS-29-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 13.00
PCLDS-30-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 14.00
PCLDS-30-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 14.00
PCLDS-31-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.00 X 15.00
PCLDS-31-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.00 X 15.00
PCLDS-32-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.50 X 9.00
PCLDS-32-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 9.00
PCLDS-33-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.50 X 10.00
PCLDS-33-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 10.00
PCLDS-34-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.50 X 11.00
PCLDS-34-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 11.00
PCLDS-35-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.50 X 12.00
PCLDS-35-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 12.00

CODE	DESCRIPTIONS	SPINDLE DEPTH UP TO (M)	POOL DIMENSIONS
			m
PCLDS-36-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	5.50 X 13.00
PCLDS-36-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 13.00
PCLDS-37-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	5.50 X 14.00
PCLDS-37-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 14.00
PCLDS-38-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	5.50 X 15.00
PCLDS-38-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	5.50 X 15.00
PCLDS-39-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	1.3	6.00 X 10.00
PCLDS-39-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 10.00
PCLDS-40-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	6.00 X 11.00
PCLDS-40-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 11.00
PCLDS-41-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	6.00 X 12.00
PCLDS-41-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 12.00
PCLDS-42-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	6.00 X 13.00
PCLDS-42-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 13.00
PCLDS-43-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	6.00 X 14.00
PCLDS-43-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 14.00
PCLDS-44-1	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	0.5	6.00 X 15.00
PCLDS-44-2	COMPLETE POOL COVER LOGIC DRIVE SYSTEM & PC ECLIPSE 60MM	2.2	6.00 X 15.00

* The calculation should be made on the basis of the total surface area of the pool, including any eventual allowance for the pit, roman end and/or cut-out. Always refer to the next highest dimensions. Example: For a pool of 5.2m x 11.5m, please refer to the price of a 5.5m x 12m. In doubt, please contact us.

LOGIC SIDE PLATES

✓ Technical features

In this system, the spindle is immersed in the pool and is supported by two stainless steel side plates which are bolted under the coping stone of the pool. On the motor side, the plate has a groove that allows the cable to run between the plate and the pool shell. The motor that winds and unwinds the cover is located inside the spindle (Logic, in roller motor). The cover is operated automatically by using a key switch and the limits are programmed electronically.

Components:

- The following elements are included in the drive system:
- Stainless steel spindle made to measure
- Stainless steel side plates and locking ring
- Logic motor 24V DC
- Logic 250 – IP68 – 250 Nm – 4 rpm
- Control panel IP56, including touch pad, safety transformer 230V AC/24V AC - 300 VA, circuit board 24V DC 20A
- Flush or surface key switch IP54 with open, close, stop functions
- Set of straps
- Set of directional guides
- Screws, bolts and other fixings included



DRIVE SYSTEM

	Motor Logic 250 (250 Nm)+ Spindle Ø 140 Mm
	Motor Logic 250 (250 Nm)+ Spindle Ø 168 Mm
	Motor Logic 250 (250 Nm)+ Spindle Ø 168 Mm

Standards:

- Water surface coverings (NF P90-308 standard)
- * The calculation should be made on a basis of the total surface area of the pool, including any roman end and/or cutout. Always refer to the next highest dimensions. Example: For a pool of 5.2m x 11.5m, please refer to the price of a 5.5m x 12m.

🔍 Models

CODE	DESCRIPTIONS
LSPDS-01	LOGIC PLATES DRIVE SYSTEM MOTOR LOGIC 250 (250 NM) + SPINDLE 140 MM
LSPDS-02	LOGIC SIDE PLATES DRIVE SYSTEM MOTOR LOGIC 250 (250 NM) + SPINDLE Ø 168MM
LSPDS-04	REMOTE CONTROL SET – 2 CHANNELS (OPEN, CLOSE)
LSPDS-05	REMOTE CONTROL SET – 4 CHANNELS (OPEN, CLOSE, STOP, AUX.)
LSPDS-06	BLUETOOTH DEVICE O'CONNECT

CODE	DESCRIPTIONS	POOL DIMENSIONS
		m
PCLDPS-01	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.00 x 6.00
PCLDPS-02	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.00 x 7.00
PCLDPS-03	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.00 x 8.00
PCLDPS-04	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.00 x 9.00
PCLDPS-05	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.00 x 10.00
PCLDPS-06	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.50 x 6.00
PCLDPS-07	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.50 x 7.00
PCLDPS-08	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.50 x 8.00
PCLDPS-09	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.50 x 9.00
PCLDPS-10	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	3.50 x 10.00
PCLDPS-11	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 6.00
PCLDPS-12	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 7.00
PCLDPS-13	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 8.00
PCLDPS-14	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 9.00
PCLDPS-15	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 10.00
PCLDPS-16	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 11.00
PCLDPS-17	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.00 x 12.00
PCLDPS-18	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 6.00
PCLDPS-19	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 7.00
PCLDPS-20	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 8.00
PCLDPS-21	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 9.00
PCLDPS-22	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 10.00
PCLDPS-23	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 11.00
PCLDPS-24	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	4.50 x 12.00
PCLDPS-25	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.00 x 9.00
PCLDPS-26	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.00 x 10.00
PCLDPS-27	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.00 x 11.00
PCLDPS-28	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.00 x 12.00
PCLDPS-32	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.50 x 9.00
PCLDPS-33	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	5.50 x 10.00
PCLDPS-39	COMPLETE POOL COVER LOGIC SIDE PLATES DRIVE SYSTEM & PC ECLIPSE 60MM	6.00 x 10.00

* The calculation should be made on basis of the total surface area of the pool, including any roman end and/or cutout.
Always refer to the next highest dimensions.
Example: for a pool of 5,2m x 11,5m, please refer to the price of a 5,5x12 m.

EDGE SIMPLE

✓ Technical features

This system is suited for new or existing pools. The spindle is located above the water level and maintained by two supports which are bolted to the pool copings. The legs are coated in white or aluminium grey. The motor that winds and unwinds the cover is located inside the spindle (above ground, in roller motor). The cover is operated automatically by using a key switch and the limits are programmed electronically.

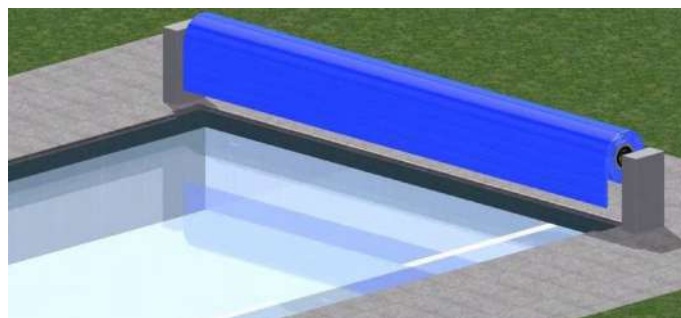
For pools up to 6m x 15m. This system is not suitable for PVC solar or transparent slats. Roman ends or cut fronts cannot always be rolled up completely.

Components:

- The following elements are included in the drive system:
- Spindle made to measure in stainless steel
- Stainless steel legs with flanges, coated in white (RAL 9003) or grey (RAL 9007)
- Edge motor 24V DC
- Edge 120 - IPX5 - 120 Nm – 3 rpm
- Control panel IP55, including safety transformer and circuit board
- Integrated key switch IP54 with open and close functions
- Set of straps
- Set of directional guides
- Screws, bolts and other fixings included

Standards: (MISSING 'd')

- Water surface coverings (NF P90-308 standard)



DRIVE SYSTEM



Motor Logic 250 (250 Nm)+ Spindle Ø 140 Mm

Motor Logic 250 (250 Nm)+ Spindle Ø 168 Mm

🔍 Models

CODE	DESCRIPTIONS
ESS-01	EDGE SIMPLE SYSTEM MOTOR EDGE 120 NM - SPINDLE Ø 140MM
ESS-02	EDGE SIMPLE SYSTEM MOTOR EDGE 120 NM - SPINDLE Ø 168MM
ESS-03	BLUETOOTH DEVICE O'CONNECT
ESS-04	LEGS IN ANOTHER RAL COLOUR (EXTRA LEAD TIME POSSIBLE)
ESS-05	REMOTE CONTROL SET – 2 CHANNELS (OPEN, CLOSE)

CODE	DESCRIPTIONS	POOL DIMENSIONS
		m
PCESS-01	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 6.00
PCESS-02	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 7.00
PCESS-03	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 8.00
PCESS-04	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 9.00
PCESS-05	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 10.00
PCESS-06	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 6.00
PCESS-07	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 7.00
PCESS-08	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 8.00
PCESS-09	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 9.00
PCESS-10	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 10.00
PCESS-11	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 6.00
PCESS-12	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 7.00
PCESS-13	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 8.00
PCESS-14	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 9.00
PCESS-15	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 10.00
PCESS-16	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 11.00
PCESS-17	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 12.00
PCESS-18	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 6.00
PCESS-19	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 7.00
PCESS-20	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 8.00
PCESS-21	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 9.00
PCESS-22	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 10.00
PCESS-23	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 11.00
PCESS-24	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 12.00
PCESS-25	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 9.00
PCESS-26	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 10.00
PCESS-27	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 11.00
PCESS-28	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 12.00
PCESS-29	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 13.00
PCESS-30	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 14.00
PCESS-31	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 15.00
PCESS-32	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 9.00
PCESS-33	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 10.00
PCESS-34	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 11.00
PCESS-35	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 12.00
PCESS-36	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 13.00
PCESS-37	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 14.00
PCESS-38	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 15.00
PCESS-39	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 10.00
PCESS-40	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 11.00
PCESS-41	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 12.00
PCESS-42	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 13.00
PCESS-43	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 14.00
PCESS-44	POOL COVER EDGE SIMPLE DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 15.00

* The calculation should be made on a basis of the total surface area of the pool, including any roman end and/or cut-out. Always refer to the next highest dimensions. For example, a pool of 5.2m x 11.5m, please refer to the price of a 5.5m x 12m.

EDGE BENCH

✓ Technical features

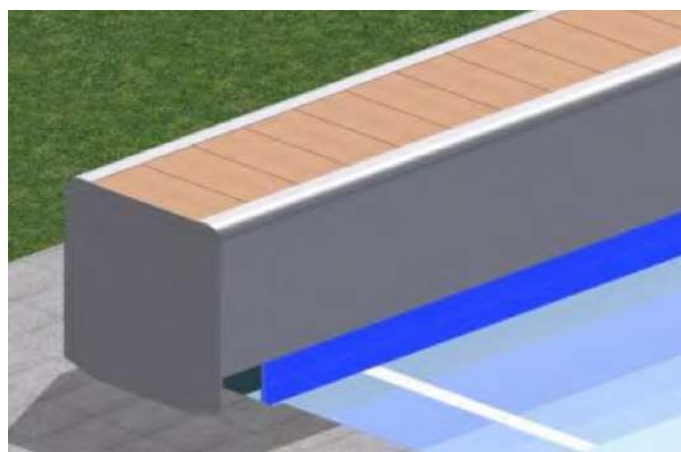
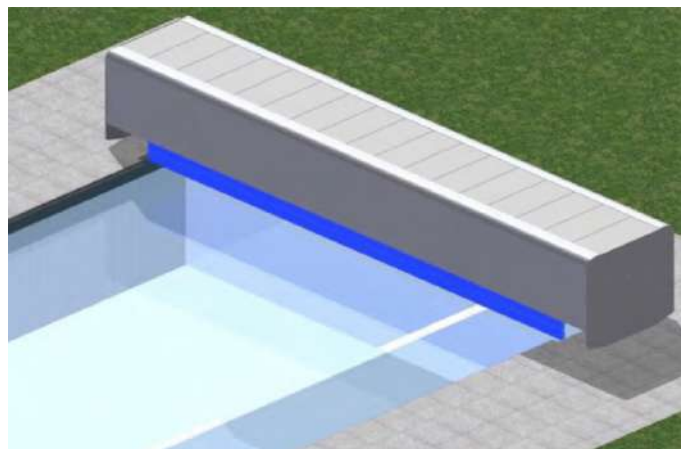
This system is suited for new or existing pools. The spindle is located above the water level and housed in a benchlike structure that conceals the cover. The structure is robustly constructed from consoles bolted to the pool copings and profiles in aluminium. The motor that winds and unwinds the cover is located inside the spindle (above ground, in roller motor). The aluminium housing is supplied in either grey or white. The cover is operated automatically by using a key switch and the limits are programmed electronically.

For pools up to 6m x 15m. The dimensions of the bench depend on the cover length:

- Cover up to 10m: 620mm x 585mm (width x height)
- Cover between 10m & 15m: 720mm x 685mm (width x height)

Components:

- The following elements are included in the drive system:
- Spindle made to measure in stainless steel
- Aluminium bench in white (RAL 9003), light grey (RAL 9006) or dark grey (RAL 9007)
- Optional wooden top
- Edge Motor 24V DC
- Edge 120 - IPX5 - 120 Nm – 3 rpm
- Control panel IP55, including safety transformer and circuit board
- Integrated key switch IP54 with open and close functions
- Set of straps
- Set of directional guides



🔍 Models

CODE		DESCRIPTIONS	COVER WIDTH	COVER LENGTH	
				m	
EBS-01	EBS-08	EDGE BENCH SYSTEM COVER	3	< 10	10 & 15
EBS-02	EBS-09	EDGE BENCH SYSTEM COVER	3.5	< 10	10 & 15
EBS-03	EBS-10	EDGE BENCH SYSTEM COVER	4	< 10	10 & 15
EBS-04	EBS-11	EDGE BENCH SYSTEM COVER	4.5	< 10	10 & 15
EBS-05	EBS-12	EDGE BENCH SYSTEM COVER	5	< 10	10 & 15
EBS-06	EBS-13	EDGE BENCH SYSTEM COVER	5.5	< 10	10 & 15
EBS-07	EBS-14	EDGE BENCH SYSTEM COVER	6	< 10	10 & 15
EBS-15		REMOTE CONTROL SET - 2 CHANNELS (OPEN,CLOSE)			
EBS-16		BLUETOOTH DEVICE O'CONNECT			
EBS-17		BENCH IN ANOTHER RAL COLOUR (EXTRA LEAD TIME POSSIBLE)			

CODE	DESCRIPTIONS	POOL DIMENSIONS
		m
PCEBS-01	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 6.00
PCEBS-02	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 7.00
PCEBS-03	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 8.00
PCEBS-04	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 9.00
PCEBS-05	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 10.00
PCEBS-06	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 6.00
PCEBS-07	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 7.00
PCEBS-08	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 8.00
PCEBS-09	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 9.00
PCEBS-10	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 10.00
PCEBS-11	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 6.00
PCEBS-12	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 7.00
PCEBS-13	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 8.00
PCEBS-14	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 9.00
PCEBS-15	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 10.00
PCEBS-16	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 11.00
PCEBS-17	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 12.00
PCEBS-18	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 6.00
PCEBS-19	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 7.00
PCEBS-20	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 8.00
PCEBS-21	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 9.00
PCEBS-22	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 10.00
PCEBS-23	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 11.00
PCEBS-24	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 12.00
PCEBS-25	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 9.00
PCEBS-26	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 10.00
PCEBS-27	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 11.00
PCEBS-28	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 12.00
PCEBS-29	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 13.00
PCEBS-30	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 14.00
PCEBS-31	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 15.00
PCEBS-32	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 9.00
PCEBS-33	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 10.00
PCEBS-34	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 11.00
PCEBS-35	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 12.00
PCEBS-36	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 13.00
PCEBS-37	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 14.00
PCEBS-38	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 15.00
PCEBS-39	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 10.00
PCEBS-40	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 11.00
PCEBS-41	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 12.00
PCEBS-42	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 13.00
PCEBS-43	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 14.00
PCEBS-44	POOL COVER EDGE BENCH DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 15.00

* The calculation should be made on a basis of the total surface area of the pool, including any roman end and/or cut-out. Always refer to the next highest dimensions. For example, a pool of 5.2m x 11.5m, please refer to the price of a 5.5m x 12m.

EDGE WOOD

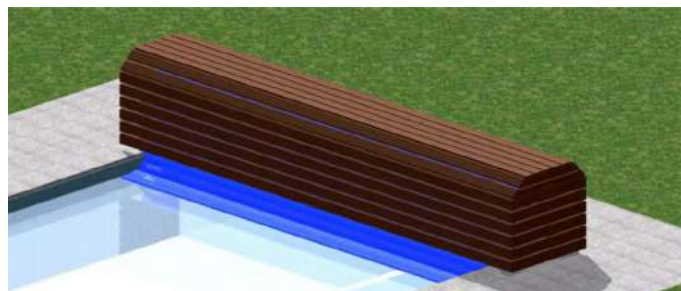
✓ Technical features

This system is suited for new or existing pools. The spindle is located above the water level and housed in a benchlike structure that conceals the cover. The structure is robustly constructed from a framework in stainless steel and covered with planks of IPE wood. The motor that winds and unwinds the cover is located inside the spindle (above ground, in roller motor). The cover is operated automatically by using a key switch and the limits are programmed electronically.

For pools up to 6m x 15m

Components:

- The following elements are included in the drive system:
- Spindle made to measure in stainless steel
- Bench in IPE wood
- Edge Motor 24V DC
- Edge 120 - IPX5 - 120 Nm – 3 rpm
- Control panel IP55, including safety transformer and circuit board
- Integrated key switch IP54 with open and close functions
- Set of straps
- Set of directional guides
- Screws, bolts and other fixings included



🔍 Models

CODE		DESCRIPTIONS	COVER WIDTH	COVER LENGTH	
				m	
EWBS-01	EWBS-08	EDGE BENCH SYSTEM COVER	3	< 10	10 x 15
EWBS-02	EWBS-09	EDGE BENCH SYSTEM COVER	3.5	< 10	10 x 15
EWBS-03	EWBS-10	EDGE BENCH SYSTEM COVER	4	< 10	10 x 15
EWBS-04	EWBS-11	EDGE BENCH SYSTEM COVER	4.5	< 10	10 x 15
EWBS-05	EWBS-12	EDGE BENCH SYSTEM COVER	5	< 10	10 x 15
EWBS-06	EWBS-13	EDGE BENCH SYSTEM COVER	5.5	< 10	10 x 15
EWBS-07	EWBS-14	EDGE BENCH SYSTEM COVER	6	< 10	10 x 15
EWBS-15		REMOTE CONTROL SET - 2 CHANNELS (OPEN,CLOSE)			
EWBS-16		BLUETOOTH DEVICE O'CONNECT			

CODE	DESCRIPTIONS	POOL DIMENSIONS
		m
PCEWBS-01	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 6.00
PCEWBS-02	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 7.00
PCEWBS-03	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 8.00
PCEWBS-04	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 9.00
PCEWBS-05	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.00 x 10.00
PCEWBS-06	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 6.00
PCEWBS-07	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 7.00
PCEWBS-08	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 8.00
PCEWBS-09	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 9.00
PCEWBS-10	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	3.50 x 10.00
PCEWBS-11	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 6.00
PCEWBS-12	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 7.00
PCEWBS-13	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 8.00
PCEWBS-14	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 9.00
PCEWBS-15	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 10.00
PCEWBS-16	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 11.00
PCEWBS-17	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.00 x 12.00
PCEWBS-18	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 6.00
PCEWBS-19	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 7.00
PCEWBS-20	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 8.00
PCEWBS-21	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 9.00
PCEWBS-22	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 10.00
PCEWBS-23	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 11.00
PCEWBS-24	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	4.50 x 12.00
PCEWBS-25	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 9.00
PCEWBS-26	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 10.00
PCEWBS-27	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 11.00
PCEWBS-28	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 12.00
PCEWBS-29	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 13.00
PCEWBS-30	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 14.00
PCEWBS-31	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.00 x 15.00
PCEWBS-32	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 9.00
PCEWBS-33	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 10.00
PCEWBS-34	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 11.00
PCEWBS-35	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 12.00
PCEWBS-36	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 13.00
PCEWBS-37	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 14.00
PCEWBS-38	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	5.50 x 15.00
PCEWBS-39	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 10.00
PCEWBS-40	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 11.00
PCEWBS-41	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 12.00
PCEWBS-42	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 13.00
PCEWBS-43	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 14.00
PCEWBS-44	POOL COVER EDGE BENCH WOOD DRIVE SYSTEM & POLYCARBONATE ECLIPSE 60MM	6.00 x 15.00

* The calculation should be made on a basis of the total surface area of the pool, including any roman end and/or cutout. Always refer to the next highest dimensions. For example, a pool of 5.2m x 11.5m, please refer to the price of a 5.5m x 12m.



SPOOL ROLLER DIAMETER 60 MM ECLIPSE PROFILE

POOL LENGTH	POOL WIDTH (m)										
(m)	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
4	351	351	351	351	351	351	351	351	358	358	381
5	383	383	383	383	383	383	383	390	390	410	410
6	412	412	412	412	412	412	418	418	437	437	437
7	440	440	440	440	440	440	445	445	463	463	463
8	466	466	466	466	466	466	471	487	487	487	521
9	490	490	490	490	490	494	494	510	510	510	542
10	514	514	514	514	514	517	532	532	532	563	563
11	536	536	536	536	536	539	553	553	553	582	582
12	557	557	557	557	560	560	573	573	601	601	601
13	578	578	578	578	580	580	592	592	619	619	619
14	597	597	597	597	600	611	611	611	637	637	637
15	616	616	616	616	619	630	630	630	655	655	655
16	635	635	635	635	637	648	648	672	672	672	672
17	653	653	653	653	665	665	665	668	668	668	668
18	670	670	670	672	672	682	682	704	704	704	704
19	687	687	687	689	689	698	698	720	720	720	721
20	704	704	704	705	714	714	714	735	735	735	736
21	720	720	720	721	730	730	730	750	750	750	751
22	736	736	736	737	745	745	765	765	765	765	766
23	751	751	751	752	761	761	780	780	780	780	780
24	767	767	767	767	775	775	794	794	794	795	795
25	781	781	781	782	790	808	808	808	808	809	809

POLY CARBONATE ECLIPSE 60 MM

✓ Technical features

- Tri-extrusion polycarbonate profile: 60mm x 15mm
- Anti-UV and anti-algae* profile
- Weight: 4kg/m²
- Buoyancy: 94N/m²
- U-value: 3.2W/m².K
- Watertight silicone end caps

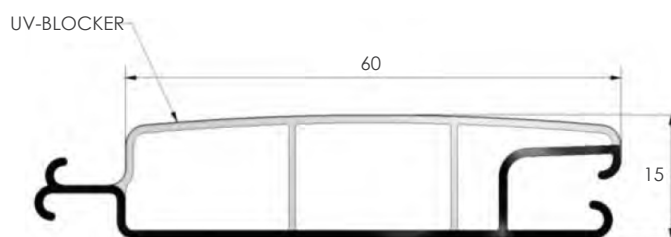
Advantages of Polycarbonate:

- Higher vicat softening point: ~ 130°C
- Superior shock resistance
- Stronger rigidity

Components:

In addition to the general advantages of polycarbonate, this new profile impedes the formation of algae inside the hinges of the slats, thanks to a partly closed connexion chamber that thoroughly blocks sun rays.

- Exceptional UV resistance
- Improved longevity
- Compatibility with both above ground and submerged installations
- Higher buoyancy than the traditional profile, for greater safety
- Prevention of algae formation by blocking photosynthesis in the hinges* Assembly of the cover by clipping slats together or sliding them into one another



STANDARD COLORS



SLATS-117 - PC ECLIPSE
SOLAR BLUE



SLATS-119 - PC ECLIPSE
TRANSPARENT BLUE



SLATS-122 - PC ECLIPSE
CRYSTAL CLEAR



SLATS-131 - PC ECLIPSE
CRYSTAL SOLAR



SLATS-305 - PC ECLIPSE
PLATINUM



SLATS-306 - PC ECLIPSE
COBALT



SLATS-401 - PC ECLIPSE
SOLAR GREEN



SPECIAL COLORS



SLATS-201 - PC ECLIPSE OLIVE



SLATS-202 - PC ECLIPSE GOLD



SLATS-203 - PC ECLIPSE LAGOON



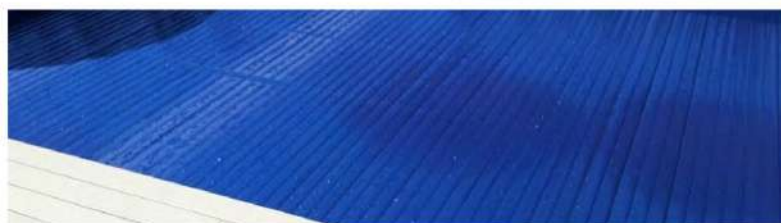
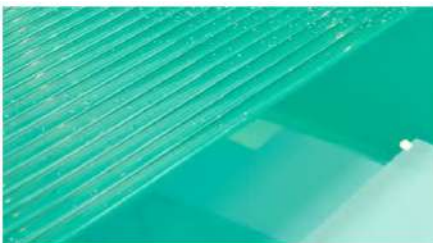
SLATS-204 - PC ECLIPSE OCEAN



SLATS-301 - PC ECLIPSE GRANITE



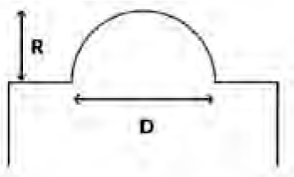
SLATS-302 - PC ECLIPSE STANDARD

**Note:**

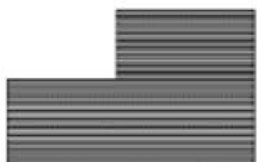
If the pool is rectangular, the pool width corresponds to the narrowest part of the main pool; If the pool has a special shape (round, oval, trapezoidal, etc.), the largest part of the main pool must be taken into account. The pool length must take into account an allowance for the pit (or any extra slats you wish to add). Six extra slats are automatically supplied free of charge as spares.

OPTIONAL ACCESSORIES

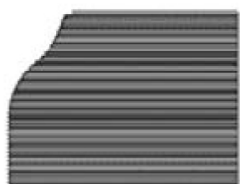
CUT - OUTS



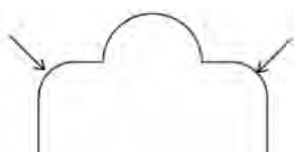
CODE	DESCRIPTIONS
OCA-01	Calculation: Roman end area (Entry x Length or Radius x Slat price/m²)



CODE	DESCRIPTIONS
OCA-02	Calculation: Section area (Entry x Length x Slat price/m²)



CODE	DESCRIPTIONS
OCA-03	Calculation: Area (Width x Length x Slat price/m²)



CODE	DESCRIPTIONS
OCA-04	Set price per side of pool (spindle side & opposite side)

10

ACCESSORIES

PENDULUM



CODE	DESCRIPTIONS
OCA-05	Guiding for overflow pools: 1 piece required every meter on each side

NF SAFETY STRAP



CODE	DESCRIPTIONS
OC-A06	Pool width < 3 m: 2 pieces required
	Pool width < 5 m: 3 pieces required
	Pool width < 7 m: 4 pieces required
	Pool width < 7 m: 5 pieces required



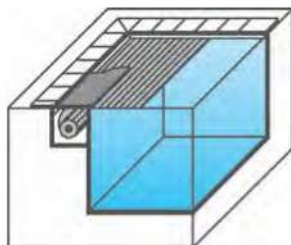
CODE	DESCRIPTIONS
OC-A07	Counter weight



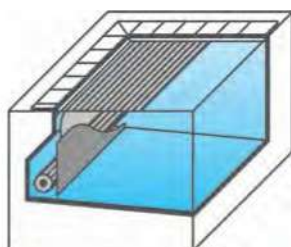
STRUCTURES

A selection of pool configurations showing a smooth integration of the pool cover system

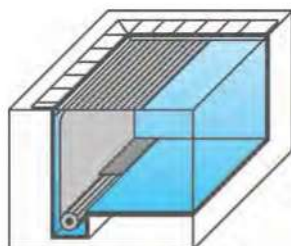
LETTERBOX



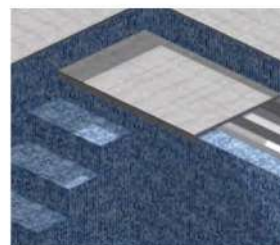
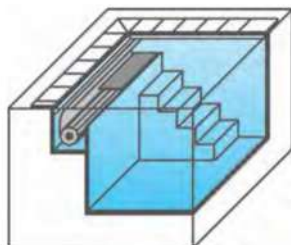
BACKWALL NICHE



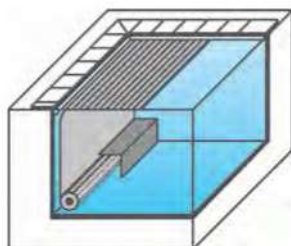
HATCH



**FIRST STEP SYSTEM
& SUN SHELF**



BENCH



CALCULATION

Unless otherwise stated, prices are fixed and per 0.5m. Please always refer to the next highest dimension. Examples: For a pool width of 2m, please refer to the price for 3m; For a pool width of 4.7m please refer to the price for 5m. If in doubt or for any other dimensions, please contact us.

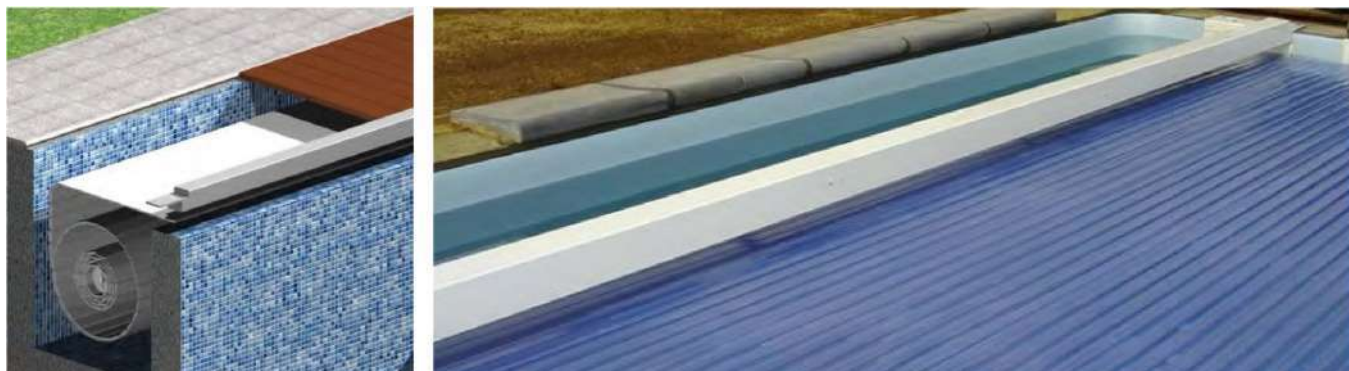
LETTERBOX

✓ Technical features

In this configuration, the cover is concealed in a wet pit located behind the pool's backwall. Aqua offers several options to enable you to cover this pit with any type of finishing you may like.

STAINLESS STEEL BEAM

This system is suitable for pools up to 6m wide and meant to support lightweight decking. It is composed of a 5mm thick SS 316L box section beam.



Q Models

CODE	DESCRIPTIONS	WIDTH	POOL LENGTH
		mm	m
SLB-01	STRUCTURES LETTERBOX STAINLESS STEEL BEAM BEAM	80 x 80	< 4.5
SLB-02	STRUCTURES LETTERBOX STAINLESS STEEL BEAM BEAM	100 x 100	< 6
SLB-03	STRUCTURES LETTERBOX STAINLESS STEEL BEAM L PROFILE	30 x 30 x 3	< 4.5
SLB-04	STRUCTURES LETTERBOX STAINLESS STEEL BEAM L PROFILE	30 x 30 x 3	< 6
SLB-05	STRUCTURES LETTERBOX STAINLESS STEEL BEAM BRUSHED BEAM	5	< 4.5
SLB-06	STRUCTURES LETTERBOX STAINLESS STEEL BEAM BRUSHED BEAM	4.5	< 6
SLB-07	STRUCTURES LETTERBOX STAINLESS STEEL BEAM EXTRA L PROFILE (TO FIT AT BACK OF THE PIT)	50 x 50 x 5	< 4.5
SLB-08	STRUCTURES LETTERBOX STAINLESS STEEL BEAM EXTRA L PROFILE (TO FIT AT BACK OF THE PIT)	50 x 50 x 5	< 6



Q Models

CODE	DESCRIPTIONS	WIDHT
		m
SLBL-01	STRUCTURES LETTERBOX MICROBEAM WITH LIGHTWEIGHT CANTILEVERS	3
SLBL-02	STRUCTURES LETTERBOX MICROBEAM WITH LIGHTWEIGHT CANTILEVERS	4
SLBL-03	STRUCTURES LETTERBOX MICROBEAM WITH LIGHTWEIGHT CANTILEVERS	5
SLBL-04	STRUCTURES LETTERBOX MICROBEAM WITH LIGHTWEIGHT CANTILEVERS	6



HEAVY DUTY CANTILIVER

✓ Technical features

This system is used to support heavier decking such as tiles or coping stone and is especially suitable for tiled pools. It is composed of 50mm x 50mm heavy duty cantilever brackets, with guiding rollers, 1.1m in length, to cut on site. The system can be further reinforced or finished with the following articles:

🔍 Models

CODE	DESCRIPTIONS
SLBH-01	HEAVY DUTY CANTILEVERS HD CANTILEVER
SLBH-02	CROSS MEMBER SUPPORT TO FIT BETWEEN THE CANTILEVERS FOR EXTRA SUPPORT
SLBH-03	SUPPORT BRACKETS FOR SIDEWALLS
SLBH-04	SS U-SHAPED FRONT PROFILE
SLBH-05	SS TRAY FOR TILING, MADE TO MEASURE, 3 MM THICK
SLBH-07	LIFTING EYE IN TRAY FOR EASY LIFTING



BACKWALL NICHE PRO

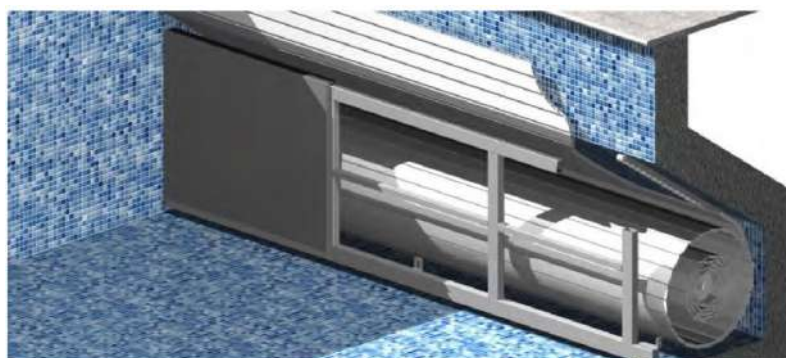
✓ Technical features

In this configuration, the cover is concealed in a recess in the pool's back wall and guided out through roller guides. Ocea offers different types of systems, depending on your needs and expectations.

Stainless Steel Beam

This system is suitable for any type of pool (liner, tiles, etc.). The structure is made to measure and composed of:

- A stainless steel framework
- 12mm thick PVC panels, ready to be finished in accordance to the client's taste (max. 1m high) or white finishing PVC panels, 8mm thick (max. 900mm high)
- Roller rails



10

Q Models

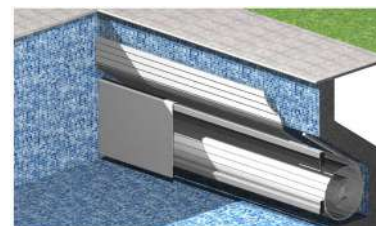
CODE	DESCRIPTIONS	POOL WIDTH
		mm
BWN-0	BACK WALL	3
BWN-2	BACK WALL	4
BWN-4	BACK WALL	5
BWN-6	BACK WALL	6
BWN-7	SS ROLLER RAIL WITH DOUBLE WHEELS & SILICONE O RING, TO FIT ON ROOF OF THE RECESS RECOMMENDATION: MIN. 1 RAIL EACH METRE	
BWN-8	FIXATION BRACKETS FOR ROLLER RAILS FOR NICHE WITH FLAT ROOF (SET OF 2 PIECES)	

BACK WALL NICHE LIGHT

✓ Technical features

This system is suitable for liner pools up to 6m in width and is composed of:

- Two box sections of 60mm x 60mm x 3mm
- White PVC panels of 996mm x 750 x 8mm (to cut to size)



🔍 Models

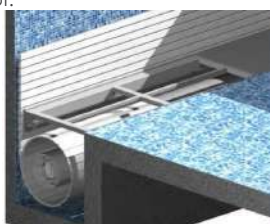
CODE	DESCRIPTIONS	POOL WIDTH
		mm
BWNL-01	BACK WALL NICHE LIGHT	4
BWNL-02	BACK WALL NICHE LIGHT	5
BWNL-03	BACK WALL NICHE LIGHT	6
BWNL-04	SS ROLLER RAIL WITH DOUBLE WHEELS & SILICONE O RING, TO FIT ON ROOF OF THE RECESS. RECOMMENDATION: 1 PIECE EVERY METER + 1	

POOL BOTTOM FIXED HATCH

✓ Technical features

This system is suitable for any type of pool (liner, tiles, etc.). The structure is made to measure and composed of:

- A stainless steel framework
- 12mm thick PVC panels, ready to be finished in accordance to the client's taste
- Roller rails

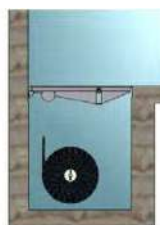
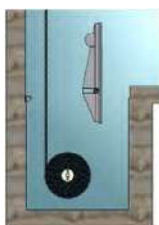


🔍 Models

CODE	DESCRIPTIONS	POOL WIDTH MM
PBFH-01	POOL BOTTOM FIXED HATCH	3
PBFH-02	POOL BOTTOM FIXED HATCH	3.5
PBFH-03	POOL BOTTOM FIXED HATCH	4
PBFH-04	POOL BOTTOM FIXED HATCH	4.5
PBFH-05	POOL BOTTOM FIXED HATCH	5
PBFH-06	POOL BOTTOM FIXED HATCH	5.5
PBFH-07	POOL BOTTOM FIXED HATCH	6

MOTORIZED HATCH

In this system, the hatch that conceals the cover is motorized. Please contact our engineering department for quotes and technical requirements.



FRIST STEP SYSTEM

✓ Technical features

This system is suitable for any type of pool (liner, tiles, etc.). The structure acts as the first step of the stairs or as a sun shelf. It is made to measure and composed of:

- A stainless steel framework
- 20mm PVC panels ready to be finished in accordance to the client's taste



Q Models

CODE	DESCRIPTIONS	POOL WIDTH
		mm
SFS-01	FIRST STEP & SUN SHELF	3
SFS-02	FIRST STEP & SUN SHELF	3.5
SFS-03	FIRST STEP & SUN SHELF	4
SFS-04	FIRST STEP & SUN SHELF	4.5
SFS-05	FIRST STEP & SUN SHELF	5
SFS-06	FIRST STEP & SUN SHELF	5.5
SFS-07	FIRST STEP & SUN SHELF	6

SINGLE & DOUBLE BEAM SYSTEM FOR SUN SHELVES

✓ Technical features

- This system is suitable for pools up to 6m wide and is composed of:
- A box section beam of 100mm x 100mm x 3mm with welded guiding tube
- An optional second box section beam of 100mm x 100mm x 3mm for extra support



Q Models

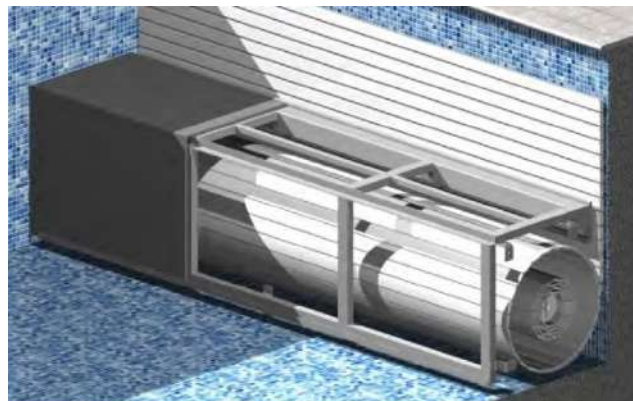
CODE	DESCRIPTIONS	POOL WIDTH
		mm
SSH-01	WITH SINGLE BEAM	6
SSH-02	WITH DOUBLE BEAM	6
SSH-03	PRE-CAST FIXATION SET (2 PIECES)	

BENCH PRO

✓ Technical features

This system is suitable for any type of pool (liner, tiles, etc.). The structure is made to measure and composed of:

- A stainless steel L-shaped frame, made to measure, supplied in two parts (separate vertical & horizontal frames)
- L-shaped 12mm thick PVC panels ready to be finished in accordance to the client's taste



🔍 Models

CODE	DESCRIPTIONS	POOL WIDTH
		mm
SBP-01	MADE TO MEASURE	3
SBP-02	MADE TO MEASURE	3.5
SBP-03	MADE TO MEASURE	4
SBP-04	MADE TO MEASURE	4.5
SBP-05	MADE TO MEASURE	5
SBP-06	MADE TO MEASURE	5.5
SBP-07	MADE TO MEASURE	6

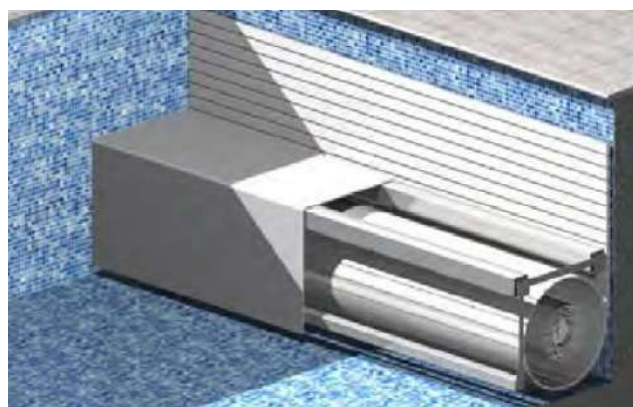
BENCH LIGHT

✓ Technical features

This system is suitable for liner pools up to 6m x 12m and is composed of:

- 2 L-shaped profiles on which to fix the beams
- 2 box section beams of 100mm x 100mm x 3mm, including one with welded guiding tube
- 1 box section beam of 60mm x 60mm x 3mm
- L-shaped 8mm thick PVC panels, 2m long, to cut to size.

NB: Once mounted, the bench is 720mm wide x 720mm high



🔍 Models

CODE	DESCRIPTIONS	POOL WIDTH
		mm
SBPL-01	BENCH LIGHT	4
SBPL-02	BENCH LIGHT	6
SBPL-03	OPTION - SUPPLEMENT FOR CUTTING TO MEASURE BOTH EXTERNAL PANELS	

PACKING

 Technical features

- Slats are wrapped in plastic bundles for protection. Bundles are free of charge.
- For collective shipment in the EU, bundles of slats will be packed in a transport crate for protection.

Standard crate:

- For covers (slats only) up to 14m in length
- For covers up to 12m in length including their drive systems. Longer covers will be packed in 2 standard crates. Therefore, please count relevant packing fees twice

 Models

CODE	DESCRIPTIONS	POOL WIDTH MM
OCP-SC-01	PACKAGING STANDARD CRATE	4
OCP-SC-02	PACKAGING STANDARD CRATE	5
OCP-SC-04	PACKAGING STANDARD CRATE	6
OCP-SC-05	PACKAGING STANDARD CRATE	7

Crate made to measure:

 Technical features

- For complete cover systems, including drive system, slats & structure
- For covers above 7m in width
- For any order being shipped overseas

 Models

CODE	DESCRIPTIONS	POOL WIDTH
OCP-C-01	CRATE MADE TO MEASURE	3
OCP-C-02	CRATE MADE TO MEASURE	4
OCP-C-03	CRATE MADE TO MEASURE	5
OCP-C-04	CRATE MADE TO MEASURE	6
OCP-C-05	CRATE MADE TO MEASURE	7
OCP-C-06	CRATE MADE TO MEASURE	8



02 | THERMAL COVERING

✓ Technical features

Points common to all Solar Covers:

- Covers are measured to the nearest square metre
- When calculating cover prices, round up to the nearest square metre
- Covers come complete with a solar protector sheet to be used when the cover is off the pool
- Covers are made oversized
- Non-hemmed covers are rectangular and are to be trimmed on site
- Add shaping charge for non-hemmed covers, if exact sizes are required
- Covers over 12m should have reinforcements and a leading edge
- All covers fitted with a 'Commercial Leading Edge' will be rolled and could therefore incur a 'Commercial Carriage Charge'.
- All other Solar Covers are bagged



PREMIUM DOMESTIC LEADING EDGE

- Strong and durable PVC coated polyester netting
- Polyethylene foam inserts for added buoyancy
- Easily installed on new or existing covers by end user
- Complete with fixings and pull cord, including our new slide lock clip
- Also available in black

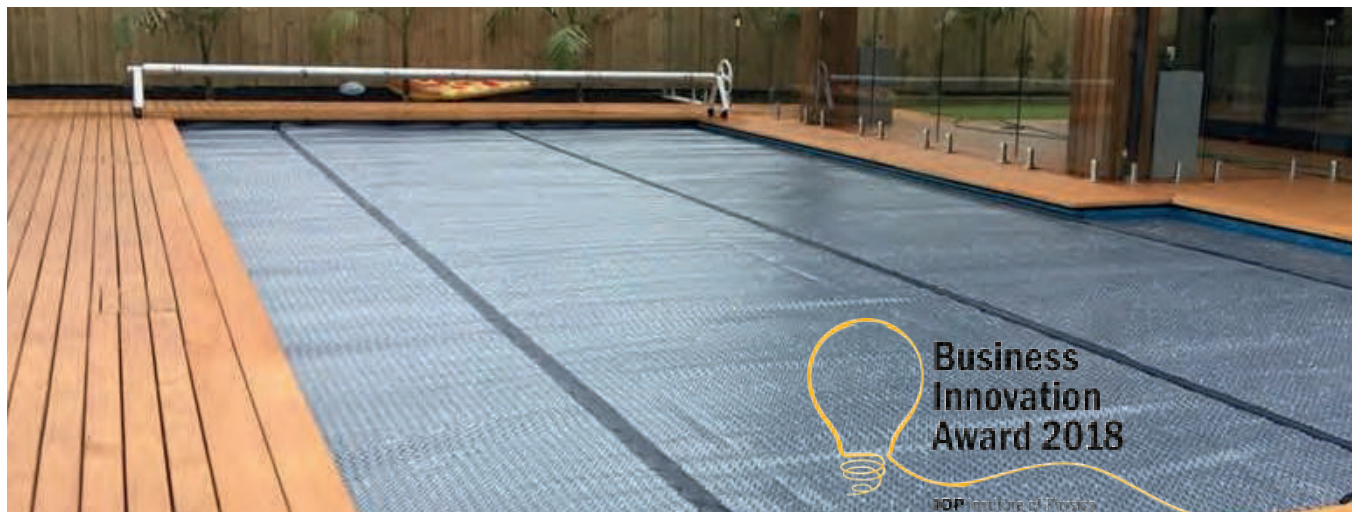
Note: Covers 10m2 and over will be charged at bulky rate and are excluded from free delivery

Note: Welding on solar covers can lead to a slight waving. Cover guarantee is void if pool temperature exceeds 29°C or SPATA standards for chemical and TDS levels are not met.

Q Models

CODE	DESCRIPTIONS
CLE012BLC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL 12' (3.65 m model) - BLUE
CLE016BLC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL 16' (4.8m model) - BLUE
CLE020BLC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL 20' (6.10m model) - BLUE
CLE012BKC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL - 12 ft - BLACK
CLE016BKC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL - 16 ft - BLACK
CLE020BKC	PREMIUM DOMESTIC LEADING EDGE KIT FOR POOL - 20 ft - BLACK

CODE	DESCRIPTIONS
HEM400S	Hemming for Solar Covers per m. run
SHPMCOMS	Shaping Surcharge per m²
CUTCOMS	Cut-out Charge for Floating Covers
SHPACOMS	Charge for Shaping Bay
FITSTRAPS	Attach Strap Set to Cover (per strap)
WEB025	25m Roll of Blue Webbing (25mm)
EYELETS	Reinforced Eyelet



SOLAR GUARD 500

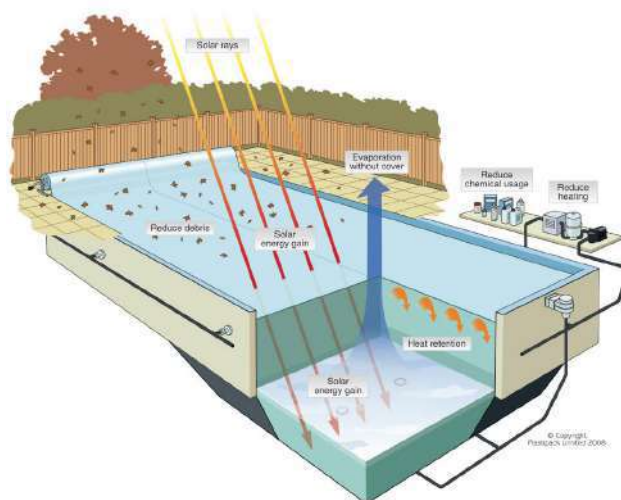
✓ Technical features

- Clear top, tinted translucent underside
- 500 micron
- Increases pool temperature by up to 8°C
- Eliminates water evaporation by 98% +
- Cuts chemical consumption by up to 30%
- Lowers energy consumption by over 50%
- 6 year pro-rata warranty (UK & Eire only)
- Sol+Guard 180 has higher UV stabilisation which is designed for use in hotter climates



Q Models

CODE	DESCRIPTIONS
PGS580	SOLAR GUARD 500 MICRON POOL COVER - PER M ²



Solar Gains

The Sol+Guard 500 micron, transparent, swimming pool cover material transmits 80% of the sun's energy into the visual and IR spectrum through the material to heat the water in the swimming pool. Sol+Guard has been seen to increase pool temperatures by up to 8°C above the ambient pool temperature, reducing the heating demand by up to 70%.



Evaporation Control

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98%, resulting in the preservation of the water resources and increased temperature within the swimming pool.



Heat Retention

The unique profile of the GeoBubble technology air cells provide both buoyancy and an insulative air gap to control heat transfer, enabling the material to manage the pool environment and keep the pool at the desired temperature.



Debris Control

Covering your pool prevents dirt, leaves, insects and other debris from entering the pool, maintaining a clean, pleasant swimming environment and reducing chemical demand.



BLUE 400

 Technical features

- 400 micron
- UV stabilised
- 0.37Kg per sq.m
- Eliminates water evaporation by 98%+
- Reduce debris contamination
- Increase pool temperature
- Reduce chemical consumption
- Reduce energy consumption

 **Models**

CODE	DESCRIPTIONS
PSC400	BLUE 400 MICRON POOL COVER - PER M ²

**Evaporation Control**

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98% resulting in the preservation of the water resources and increased temperatures within the swimming pool, saving water and preventing evaporative cooling.

**Heat Retention**

The unique profile of the GeoBubble technology air cells provide both buoyancy and an insulative air gap to control heat transfer enabling the material to manage the pool environment and keep the pool at the desired temperature.

**Temperature Increase**

GeoBubble covers help to increase pool temperature by allowing for solar gains, as well as retaining the gained heat by providing a barrier to evaporation and an insulative air gap.

**Debris Control**

Covering your pool prevents dirt, leaves, insects and other debris from entering the pool, maintaining a clean, pleasant swimming environment and reducing chemical demand.

ENERGYGUARD

✓ Technical features

- 500 micron
- Eliminates water evaporation by 98%+
- Reduces chemical consumption by up to 60%
- Lowers energy consumption by over 60%
- Reduces debris contamination
- Reduces filtration time by up to 50%
- Can be used as a winter cover
- Reduces debris contamination
- EnergyGuard 180 has higher UV stabilisation which is designed for use in hotter climates
- Now available in a woven top sheet for extra strength



Q Models

CODE	DESCRIPTIONS
PGE500B	EnergyGuardTM per m ² 140 UV Protection
PGE580B	EnergyGuardTM per m ² 180 UV Protection



Award Winning Material

EnergyGuard Selective Transmission has been awarded the 2018 Business Innovation Award for delivering significant societal and economic impact through the application of physics.



Selective Transmission

The bubble layer of the material uses a patented midnight blue pigment combination which gives the material its selective transmission properties. The pigment formulation works as a selective filter absorbing the visible wavelengths responsible for photosynthesis. This absorbed energy is passed to the pool through conduction, while the transmission properties of the bubble layer allows for Infrared Radiation (IR) wavelengths to pass through the material and be directly absorbed by the water.



Debris and Algae Control

As well as preventing debris from entering the pool, EnergyGuard Selective Transmission helps maintain a pleasant, warm swimming environment by using light filtration technology to absorb the wavelengths that promote the growth of algae, reducing the cost and time spent on maintenance.



Heat Retention

The unique profile of the GeoBubble technology air cells provide both buoyancy and an insulative air gap to control heat transfer enabling the material to manage the pool environment.



Evaporation Control

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98%, resulting in the preservation of the water resources and increased temperature within the swimming pool.

COOLGUARD ULTRA 500

✓ Technical features

- 500 micron
- Minimises daily solar gains by 55%
- Maintains a 10% cooler pool
- Reduces energy consumption by over 50%
- Reduces chemical consumption by up to 50%
- Eliminates water evaporation by 98%
- Reduces debris contamination
- Saves money and reduces carbon footprint of your pool
- 6 year+ pro-rata warranty (UK & Eire only)
- Geobubble™ Technology
- Sol+Guard 180 has higher UV stabilisation which has been designed for use in hotter climates



Q Models

CODE	DESCRIPTIONS
PGC500	COOL GUARD UNLTRA 500 MICRON POOL COVER - PER M²



Heat Reflection

CoolGuard Ultra's increased reflectivity provides a dramatic improvement to the regulation of the pool's temperature. Its Glacial Blue colour brings a 25% improvement in reflectivity across the visible and IR spectrum, providing a barrier to reduce solar gains, ensuring a cooler, more refreshing swimming temperature.



Evaporation Control

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98%, resulting in the preservation of the water resources and increased temperature within the swimming pool.



Heat Insulation

The unique profile of the GeoBubble technology air cells provide both buoyancy and an insulative air gap to control heat transfer enabling the material to manage the pool environment and keep the pool at the desired temperature.



Debris Control

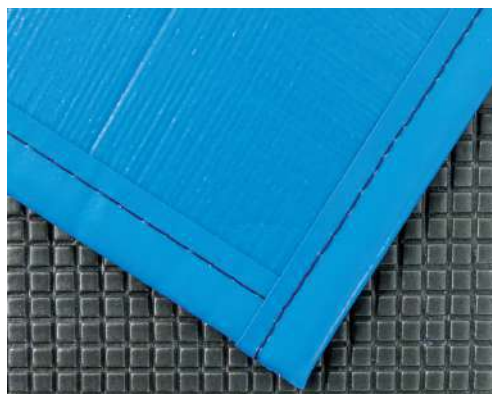
Covering your pool prevents dirt, leaves, insects and other debris from entering the pool, maintaining a clean, pleasant swimming environment and reducing chemical demand.



SUPER COVER (5MM)

✓ Technical features

- 5mm polyolefin closed cell foam cover
- Tough woven top and bottom sheet for heat retention and strength
- Shaped and hemmed to your specification
- Weight: 0.42kg per sq m.
- 29°C maximum temperature
- 3 year pro rata guarantee
- Hemming charge included (per square metre)



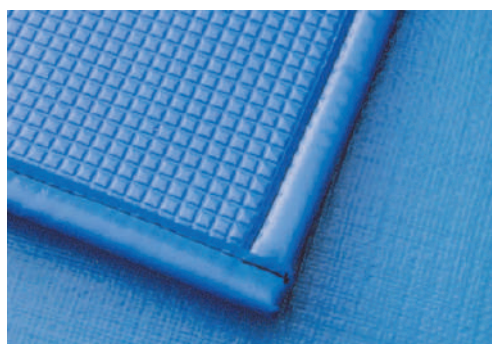
Q Models

CODE	DESCRIPTIONS
PSU100	SUPERCOVER 5MM - PER M ²

PREMIUM COVER (8MM)

✓ Technical features

- 8mm foam centre with embossed underside
- Polyolefin woven fabric top laminate with UV stabilised coating
- Shaped and hemmed to your specification
- Suitable for hydrotherapy pools
- Weight: 0.53kg per sq m.
- 29°C maximum temperature (39°C max for hydrotherapy pools)
- 4 year pro rata guarantee (one year on hydrotherapy pools)
- Hemming charge included (per square metre)



Q Models

CODE	DESCRIPTIONS
PPR100	SUPERCOVER 5MM - PER M ²

COVER REPAIR



Q Models

CODE	DESCRIPTIONS	SUITABLE FOR
PLR150	COVER REPAIR TAPE 50MM x 33M ROLL SUITABLE	ALL COVERS
PLR255	REPAIR MATERIAL 0.15M WIDE PER M SUITABLE	SUPER COVERS

HEAT RETENTION COVERS

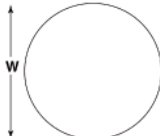
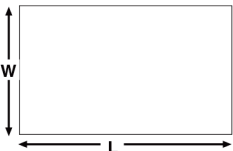
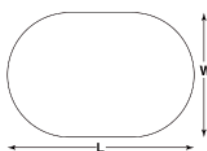
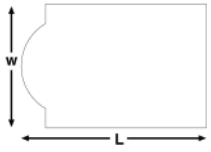
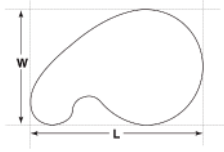
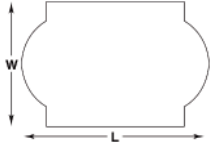
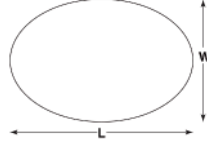
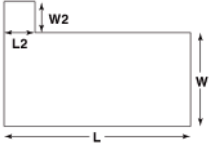
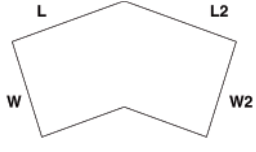
✓ Technical features

Over 90% of a pool's heat is lost via the water surface. This can be considerably reduced by using a heat retention cover.

- Reduces humidity levels
- Reduces the need for heating and ventilation
- Installs onto most pool types including free-form pools
- Covers should recoup their costs from energy saving within twelve months
- Covers over 12m should have reinforcements and a leading edge
- Covers are despatched in roll form
- Packaging adds approximately 150mm to cover width
- Designed for use in hotter climates.

HEAT RETENTION COVERS PRICING FORMULA

Follow the calculation method to find the chargeable area (CA) to the nearest M2

RECTANGULAR	CALCULATION	SHAPED	CALCULATION
STANDARD SIZE COVER WITH STEP CUT-OUT	Cover Price = Cover Area (CA) x Price per m PLUS 1 x cut-out charge CUTCOM per ladder		CA = W x W Cover price CA x (Price per m + shaping surcharge per m)
	RECTANGULAR CA = L x W Cover price = CA x Price per m		OVEL CA = W x W Cover price CA x (Price per m + shaping surcharge per m)
	ROMAN END CA = L x W List Price = CA x Price per m Add 1 x Charge for bay shaping		FREEFORM/KIDNEY CA = W x W Cover price CA x (Price per m + shaping surcharge per m)
	DOUBLE ROMAN END CA = L x W List Price = CA x Price per m Add 2 x Standard Charge for bay shaping		SHAPED OVAL/PEAR CA = W x W Cover price CA x (Price per m + shaping surcharge per m)
	WALK IN STAIRS/BAYS CA = L x W + (L2 x W2) List Price = CA x Price per m Add 1 x Charge for bay shaping		DOG LEG/LAZY 'L' CA = L x W + (L2 x W2) Cover price CA x (Price per m + shaping surcharge per m)

SLIDELOCK TELESCOPIC REEL

✓ Technical features

- Polished stainless steel end stands
- Anodised aluminium tubes
- Plastic end bosses and steering wheels
- Straps connect to tubes by our unique slide and lock fixing
- Locking device holds the tube in position, stopping the cover from unwinding.
- Range of different end stands
- Optional castor pack
- Small slidlock tubes go from 3.7m to 4.9m, for covers up to a maximum 4.6m width (12' to 16' tubes - 15' maximum cover width)
- Large slidlock tubes go from 5.0m to 6.7m, for covers over 4.6m up to a maximum 6.4m width (16'5" to 22' tubes - 21' maximum cover width)
- Notes: Reels should be set up to have a maximum 300mm overlap each side
- Maximum recommended area of material on both reels is 75m²
- Cover/tube overlap should be kept to a minimum
- Some flexing of the tube may occur with larger covers



Q Models

CODE	DESCRIPTIONS
PRD113	140 CM ELASTIC CORD WITH TOGGLE ENDS (PACK OF 8)
PRD115	ELASTICATED QUICK FIT STRAP KIT (PACK OF 3)
PRD125	PAIR OF THREADED DECK ANCHORS
PRD130	ADDITIONAL HEIGHT OF 300MM PER PAIR
PRD151	PACK OF 6 PLATED CASTORS (43MM TUBE) CONTAINS X4 BRAKED AND X2 UNBRAKED.
PRD161	Pack of 6 Stainless Steel Castors (43mm tube) contains x4 braked and x2 unbraked)
PIRA110	Pack of 10 Blue Piranha Clips
PIRA150	Pack of 50 Blue Piranha Clips
PIRA210	Pack of 10 Black Piranha Clips
PIRA250	Pack of 50 Blue Piranha Clips
PRD20040	Pack of 10 Blue Universal Strap Sets (individually packed)

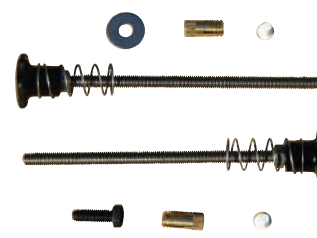
CODE	DESCRIPTIONS
PRD20040BK	Pack of 10 Black Universal Strap Sets (individually packed)
PRD20041	Pack of 10 Blue Universal Strap Sets (not individually packed)
PRD20041BK	Pack of 10 Black Universal Strap Sets (not individually packed)
PRD020PFB	Pack of 20 Blue Press Fix Connectors
PRD020PFBK	PACK OF 20 BLACK PRESS FIX CONNECTORS
PRD050PFB	Pack of 50 Blue Press Fix Connectors
PRD050PFBK	Pack of 50 Black Press Fix Connectors
PRD100PFB	Pack of 100 Blue Press Fix Connectors
PRD100PFBK	Pack of 100 Black Press Fix Connectors
SLC00110	Pack of 10 Blue Slidlock Clips
SLC00210	Pack of 10 Black Slidlock Clips

WEDGES (PACK OF 10)

CODE	DESCRIPTIONS
RTS100	Reel Thumb Screws
WED100	Large Inner Wedges
WED200	Small Outer Wedges
RTS100B	Reel Thumb Screws Black
WED100B	LARGE INNER WEDGES BLACK
WED200B	Small Outer Wedges Black



Elastic cords with toggle ends Kit – PRD113



Deck Anchors – PRD125



Slidlock Clip, Blue – SLC00110



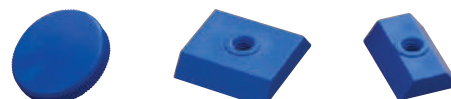
Slidlock Clip, Black – SLC00210



Strap Kit – PRD115

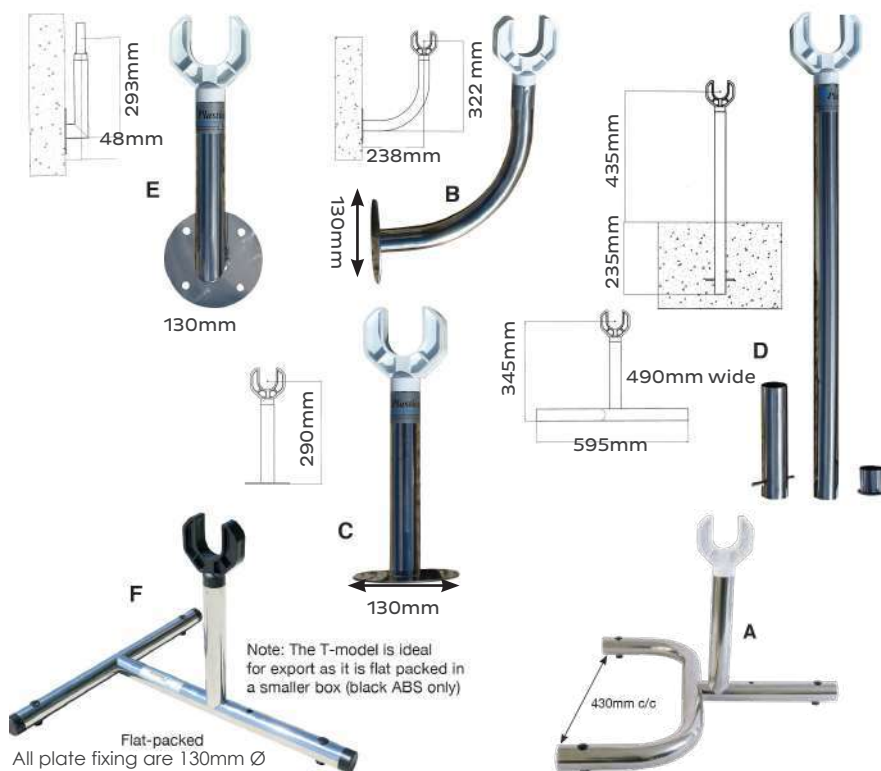


Press Fix Connector – PRD020PFB

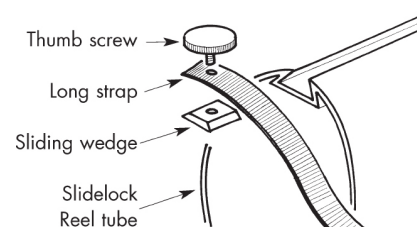
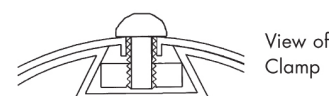
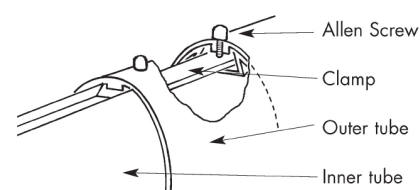


RTS100 – WED100 – WED200

SLIDELOCK TELESCOPIC REEL



All plate fixing are 130mm Ø



Any fixed domestic end stands can have an additional height added at the price code. 16mm drill bit needed. Extensions up to an added 300mm are 1x PRD130S charge, over this and to a maximum of 500mm, 2x PRD130S are to be charged.

Note: Dimensions on extensions refer to metalwork only.

CODE	DESCRIPTIONS (COMPLETE TELESCOPIC REEL)
PRD2043K	43mm Small Standard Slidelock Reel (A)
PRD2143K	43mm Small Wall Mounted Slidelock Reel (B)
PRD2243K	43mm Small Base Plate Slidelock Reel (C)
PRD2343K	43mm Small Sleeve Mounted Slidelock Reel (D)
PRD2443K	43mm Small Side Wall Mounted Slidelock Reel (E)
PRD200ETBK	38mm T-Model Space Saver Flat-packed (F)

CODE	DESCRIPTIONS (COMPLETE TELESCOPIC REEL)
PRD2543K	43mm Large Standard Slidelock Reel (A)
PRD2643K	43mm Large Wall Mounted Slidelock Reel (B)
PRD2743K	43mm Large Base Plate Slidelock Reel (C)
PRD2843K	43mm Large Sleeve Mounted Slidelock Reel (D)
PRD2943K	43mm Large Side Wall Mounted Slidelock Reel (E)
PRD205ETBK	38mm T-Model Space Saver Flat-packed (F)

REDUCTION GEARBOX

43MM SMALL SLIDELOCK (COMPLETE)

CODE	DESCRIPTIONS
PRD2043RGK	43mm Small Standard Slidelock Reel with Reduction Gearbox
PRD2143RGK	43mm Small Wall Mounted Slidelock Reel with Reduction Gearbox (B) *
PRD2243RGK	43mm Small Base Plate Slidelock Reel with Reduction Gearbox (C) *
PRD2343RGK	43mm Small Sleeve Mounted Slidelock Reel with Reduction Gearbox (D) *
PRD2443RGK	43mm Small Side Wall Mounted Slidelock Reel with Reduction Gearbox (E)
PRD200TWRGK	T-Model (F) (black ABS only)

43MM LARGE SLIDELOCK (COMPLETE)

CODE	DESCRIPTIONS
PRD2543RGK	43mm Large Standard Slidelock Reel with Reduction Gearbox (A)
PRD2643RGK	43mm Large Wall Mounted Slidelock Reel with Reduction Gearbox (B) *
PRD2743RGK	43mm Large Base Plate Slidelock Reel with Reduction Gearbox (C) *
PRD2843RGK	43mm Large Sleeve Mounted Slidelock Reel with Reduction Gearbox (D) *
PRD2943RGK	43mm Large Side Wall Mounted Slidelock Reel with Reduction Gearbox (E)
PRD205TWRGK	T-Model (F) (black ABS only)

REDUCTION GEARBOX

- Revolutionary product
- Fits both Plastica Slidelock domestic reels
- Discreet and made to match the original boss
- Reduction makes winding reels easier
- Retro fits to existing Slidelock reels on site
- Includes all necessary tools and instructions
- Aerospace industry gearing for strength and reliability



CODE	DESCRIPTIONS
RGK007	3:1 REDUCTION GEARBOX FOR SLIDELOCK REEL

POWER PACK

- Semi-automatic motorisation for domestic reels up to 75 sq.m
- Motor fits Plastica Slidelock reel (and Reel Easy, using adaptors)
- With built-in brake, limit switches and variable start delay timer
- Includes hand held remote control with up to 30m range
- S.E.L.V. can be mounted in pool area
- Built in battery back-up & 24V DC Power Supply/Charger
- Powerful motor with overload protection and 15m of cable
- Complies with existing wiring regulations
- Safe extra low voltage control box for safety (24V DC)
- Charger with 1.8m cable requires 6Amp 230V AC socket

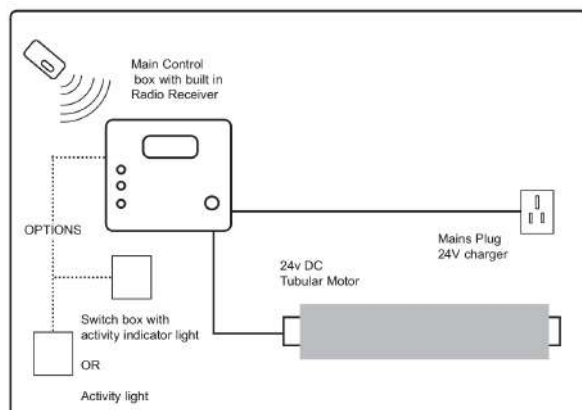


CODE	DESCRIPTIONS
PRD604K	POWER PACK 24V MOTOR SYSTEM
PRD605RB	KEY SWITCH WITH 1.5M CABLE



The microprocessor Control Panel with LCD display has multiple menu options:

- Variable current limit
- Jammed cover reversing function
- Maximum of 8 radio remote controllers (1 supplied)
- Variable delay for button operated closing
- Variable delay for transmitter closing
- Selectable charger type





MOBILE

✓ Technical features

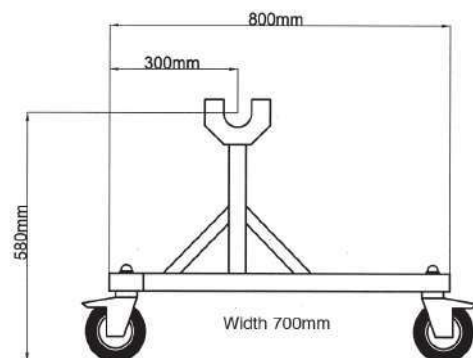
- Suitable for smaller commercial pools
- Stainless steel frame with nylon end bosses
- 127mm diameter aluminium tube
- 127mm braked castors

Note: If the cover length exceeds the maximum, as indicated, then a 165mm aluminium tube is required. Call 'Customer Services' for a quote. Reduction gear box recommended for covers over 140 sq m.



Q Models

CODE	DESCRIPTIONS	MAX. N POOL LENGTH
PPB212	MOBILE REEL SYSTEM 127MM DIA, 3.66M	50
PPB214	MOBILE REEL SYSTEM 127MM DIA, 4.27M	50
PPB216	MOBILE REEL SYSTEM 127MM DIA, 4.88M	50
PPB218	MOBILE REEL SYSTEM 127MM DIA, 5.49M	50
PPB220	MOBILE REEL SYSTEM 127MM DIA, 6.1M	50
PPB222	MOBILE REEL SYSTEM 127MM DIA, 6.71M	34
PPB224	MOBILE REEL SYSTEM 127MM DIA, 7.32M	25
PPB226	MOBILE REEL SYSTEM 127MM DIA, 7.92M	20
PPB228	MOBILE REEL SYSTEM 127MM DIA, 8.53M	17
PPB230	MOBILE REEL SYSTEM 127MM DIA, 9.14M	14
PPB232	MOBILE REEL SYSTEM 127MM DIA, 9.75M	10



PIGGYBACK MOBILE

✓ Technical features

- For pools up to 13.7m wide
- Ideal when two covers are required for pools over 9.14m wide
- Dual tubes take both covers supported by a pair of mobile end stands
- Detachable cover with quick-fit snap connectors
- Stainless steel frame with nylon end bosses
- 127mm diameter aluminium tube
- 152mm stainless steel braked castors

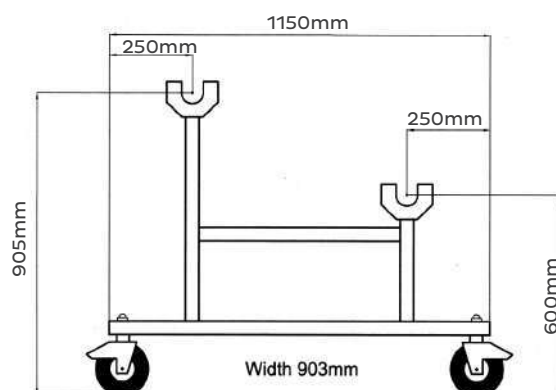


Q Models

CODE	DESCRIPTIONS	MAX. N POOL LENGTH
PPB012	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 3.66M	50
PPB014	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 4.27M	50
PPB016	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 4.88M	50
PPB018	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 5.49M	50
PPB020	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 6.1M	50
PPB022	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 6.71M	50
PPB024	PIGGYBACK MOBILE DOUBLE REEL 127MM DIA, 7.32M	50
PPB20013	QUICK RELEASE STRAP KIT 5"	34
PPB20014	QUICK RELEASE STRAP KIT 7"	25

Piggyback with reduction gearbox

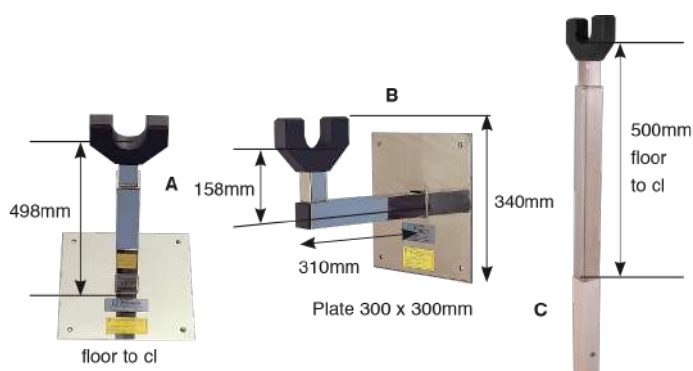
There is an additional cost per reel when gearboxes are required. Please add a "G" to the end of the reel code when ordering – ie. PPB012G



COMMERCIAL REEL SYSTEM

Technical features

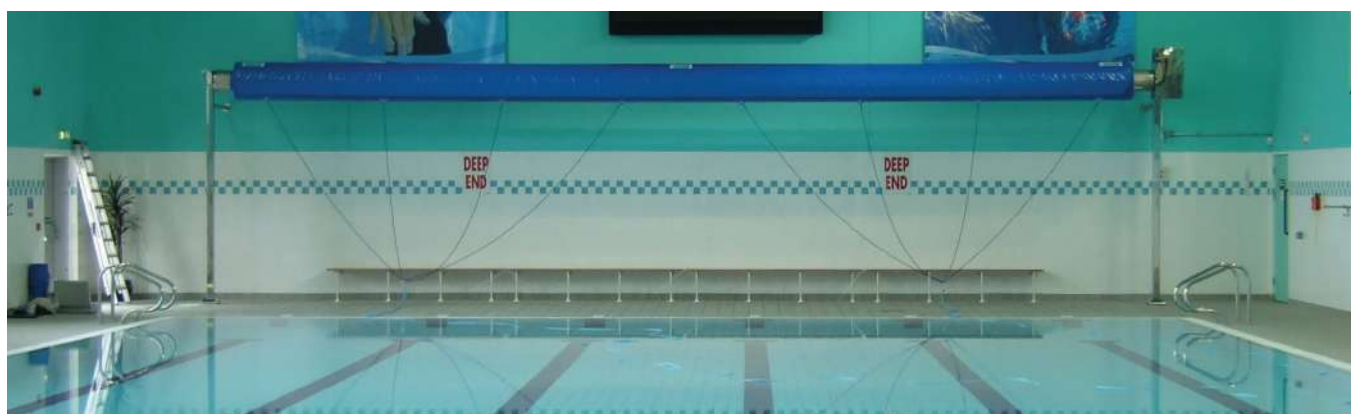
- Suitable for most smaller commercial pools
- Nylon end bosses and anodised tube
- Optional reduction gearbox
- Highly polished stainless steel end stands as standard
- White powder coating available on request
- Approximate weight of each end stand including bearing is 10kg plus 2kg extra per 240mm run of tube



Models

CODE	DESCRIPTIONS	DIA
PCR012	FIXED MANUAL TUBE PACKS	DIA 3.66M
PCR014	FIXED MANUAL TUBE PACKS	DIA 4.27M
PCR016	FIXED MANUAL TUBE PACKS	DIA 4.88M
PCR018	FIXED MANUAL TUBE PACKS	DIA 5.49M
PCR020	FIXED MANUAL TUBE PACKS	DIA 6.10M
PCR022	FIXED MANUAL TUBE PACKS	DIA 6.71M
PCR024	FIXED MANUAL TUBE PACKS	DIA 7.32M
PCR026	FIXED MANUAL TUBE PACKS	DIA 7.92M
PCR028	FIXED MANUAL TUBE PACKS	DIA 8.53M
PCR030	FIXED MANUAL TUBE PACKS	DIA 9.14M
PCR032	FIXED MANUAL TUBE PACKS	DIA 9.75M
PCR002	BASE PLATE END STANDS	-
PCR004	WALLMOUNT END STANDS	-
PCR006	SLEEVE MOUNT END STANDS	-
PCR120	0.3M ADDED HEIGHT TO REEL SYSTEM PER PAIR	-

LENGTH IN METERS							
	10	15	20	25	30	33	50
PCR012	0%	0%	0%	0%	0%	0%	0%
PCR014	0%	0%	0%	0%	0%	0%	0%
PCR016	0%	0%	0%	0%	0%	0%	0%
PCR018	0%	0%	0%	0%	0%	0%	0%
PCR020	0%	0%	0%	0%	0%	0%	A
PCR022	0%	0%	0%	0%	0%	A	A
PCR024	0%	0%	0%	0%	A	A	-
PCR026	0%	0%	0%	A	A	-	-
PCR028	0%	0%	A	A	-	-	-
PCR030	0%	A	A	-	-	-	-
PCR032	0%	A	A	-	-	-	-





LIGHT COMMERCIAL MOTORIZED



✓ Technical features

- Ideal for small commercial swimming pools
- Ultra quiet motor with soft start - soft stop mechanism
- Manufactured from stainless steel
- Maximum cover size 170 sq m.
- 9m maximum standard tube length
- 168mm tube diameter
- Key switch and remote control
- Auto stop end-of-run settings



FULL COMMERCIAL STANCHION MOTORISED

✓ Technical features

- Ultra quiet motors with soft start and soft stop mechanism
- 304mm diameter stainless steel tubing
- Maximum cover capacity of 600 sq m.
- 14m maximum tube length
- Key switch and remote control operation
- Auto stop end of run settings



WIND RESISTANT WIRES

✓ Technical features

- Recommended for all outdoor pool covers
- Helps protect from lifting in winds up to Gale Force 5 (30km/h)
- Stainless steel wire fitted inside hemming and fixed at pool ends
- Requires wires on lengths and widths, together with two of each end fitting kit

Note: Wires can only be fitted at the time of manufacture.

Not guaranteed to make a pool cover windproof

Covers should be stored on a reel system in winds over Gale Force 5 (30km/h)



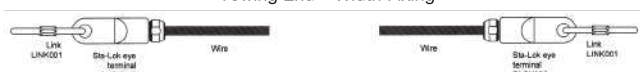
Q Models

CODE	DESCRIPTIONS
WRW001	WIND WIRES PER LINEAR METER
WRT001	TOWING END FITTING KIT
WRR001	REEL END FITTING KIT

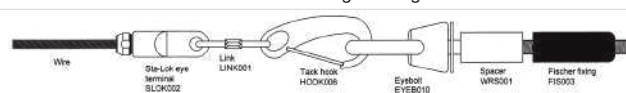
Towing End – Length Fixing



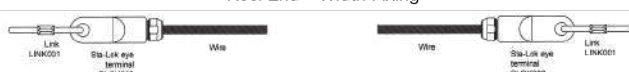
Towing End – Width Fixing



Reel End – Length Fixing



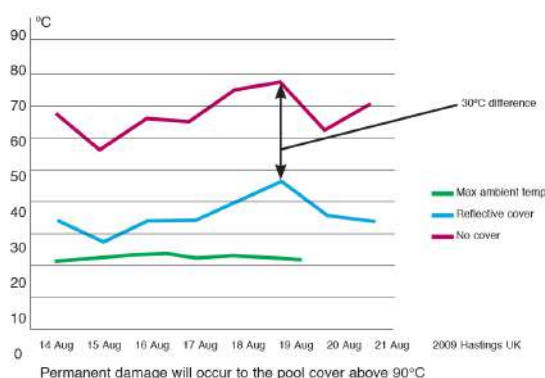
Reel End – Width Fixing



REFLECTIVE STORAGE COVER

✓ Technical features

- Reduces the temperature of a stored cover by over 30°C
- Extends the life of your cover by protecting from sun damage
- UV stabilized



Q Models

CODE	DESCRIPTIONS
PSC801	REFLECTIVE STORAGE COVER 25M ROLL x 1M WIDE
PSC820	REFLECTIVE STORAGE COVER 6M LENGTH
PRD115	ELASTICATED QUICK FIT STRAP KIT (PACK OF 3)
PRD113	140 CM ELASTIC CORD WITH TOGGLE ENDS (PACK OF 8)



03 | POOL ENCLOSURE



SISI

✓ Technical features

- A cost-effective and highly efficient pool cover system
- Fully flat rails without plastic covers
- Stainless steel, automatic locking system with an additional self-locking pin
- A leading modern and safe design - embedded in the beam profile
- Modern and safe
- A choice of reinforced profiles, including the standard 50mm x 40mm
- 10mm structured or full 4mm polycarbonate



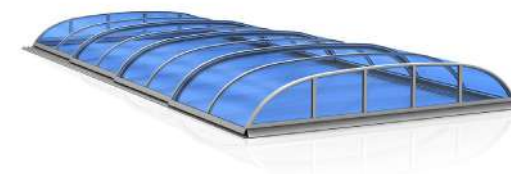
Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
SISI	POOL ENCLOSURE	UP TO 650 CM	UP TO 650 CM

DELI

✓ Technical features

- Cost-effective pool cover
- Low and elegant design
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- a modern and safe forefronts design - embedded in the beam profile
- possible choice of reinforced profiles - instead of standard profiles 50mm x 40mm
- Anthracite surface colour
- 10mm structured or full 4mm polycarbonate



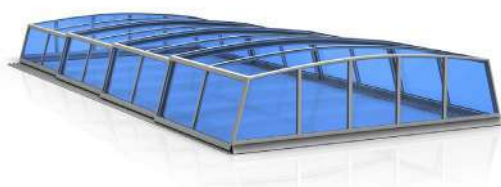
Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
DELI	POOL ENCLOSURE	UP TO 650 CM	UP TO 650 CM

ORFEA

✓ Technical features

- Low cover with the dominant edges
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe high-end design - embedded in the beam profile
- Choice of reinforced profiles available - instead of standard profiles 50 x 40 mm
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
ORFEA	POOL ENCLOSURE	UP TO 1510 CM	UP TO 550 CM

10

ZETA

✓ Technical features

- Low and elegant pool cover
- Cost-effective pool cover
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm
- Anthracite surface colour
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
ZETA	POOL ENCLOSURE	UP TO 1510 CM	UP TO 500 CM



ZENZA1

✓ Technical features

- Low and almost flat roofing
- Extra reinforced profiles with a cross section of 60 x 60 mm are used for the supporting part of the structure
- Flat track of new shape
- Guide rail only on one side
- Stainless automatic locking system
- Anthracite surface colour



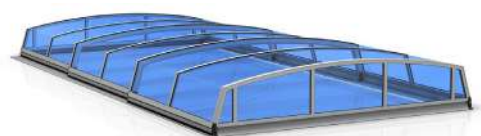
Q Models

CODE	DESCRIPTIONS	DIMENSIONS		WIDTH
		LENGTH	WIDTH	
ZENZA1	POOL ENCLOSURE	UP TO 1510 CM	UP TO 500 CM	FROM 40 CM

RADA

✓ Technical features

- Flat guide rails AluDeck
- Low and distinctive cover
- Optional locking system BeUp – controlled by feed
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm (above inside width 401 cm in standard)
- Anthracite surface colour
- Forefronts and sides made of full polycarbonate already in the standard



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
RADA	POOL ENCLOSURE	UP TO 650 CM	UP TO 650 CM

LUCI

✓ Technical features

- Flat guide rails AluDeck
- Low and elegant cover
- Optional locking system BeUp – controlled by feed
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm (above inside width 401 cm in standard)
- Anthracite surface colour
- Forefronts and sides made of full polycarbonate already in the standard



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
LUCI	POOL ENCLOSURE	UP TO 1510 CM	UP TO 500 CM

NIKOL

✓ Technical features

- For freedom of movement around the enclosed pool
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm
- Anthracite surface colour
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
NIKOL	POOL ENCLOSURE	UP TO 1510 CM	UP TO 550 CM

JESICA

✓ Technical features

- For freedom of movement around the enclosed pool
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm
- Anthracite surface colour
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
JESICA	POOL ENCLOSURE	UP TO 1510 CM	UP TO 550 CM

KELLY

✓ Technical features

- High walk-through cover with movement of modules on retaining wall
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of standard profiles 50 x 40 mm
- Anthracite surface colour
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
KELLY	POOL ENCLOSURE	UP TO 1510 CM	UP TO 600 CM



SUNNY

✓ Technical features

- High walk-through cover with movement of modules on retaining wall
- Fully flat tracks without plastic covers
- Stainless steel automatic locking - not only a self-locking pin
- A modern and safe forefronts design - embedded in the beam profile
- Possible choice of reinforced profiles - instead of Standard profiles 50 x 40 mm
- Anthracite surface colour
- 10 mm structured or full 4 mm polycarbonate



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
SUNNY	POOL ENCLOSURE	UP TO 1510 CM	UP TO 450 CM

VIDAR

✓ Technical features

- Flat guide rails AluDeck
- Monorail version - guide rails AluDeck only on one side, second side always trackless
- Beams of 60 x 60 mm cross sections - robust support structure
- Reinforced snow-proof construction
- Double sealing between modules and rails to reduce heat leakage
- Safeguarding in adverse weather conditions
- Low, luxury cover
- Modern and safe forefronts design - embedded in the beam profile
- Anthracite surface colour
- Filling completely from full polycarbonate already in standard
- Joining methods without visible rivets and screws



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
VIDAR	POOL ENCLOSURE	UP TO 1510 CM	UP TO 600 CM

MEGAN XZ

✓ Technical features

- Flat guide rails AluDeck
- Guide rails AluDeck in wider performance
- Beams of 60 x 60 mm cross sections - robust
- Support structure
- Reinforced snow-proof construction
- Double sealing between modules and rails to
- Reduce heat leakage
- Low, luxury cover
- Modern and safe forefronts design - embedded in
- The beam profile
- Anthracite surface colour
- Filling completely from full polycarbonate
- Already in standard
- Joining methods without visible rivets
- And screws



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
MEGAN XZ	POOL ENCLOSURE	UP TO 1510 CM	UP TO 600 CM

10

VIDARIUS XZ

✓ Technical features

- Flat guide rails AluDeck
- Monorail version - guide rails AluDeck only on one
- Side, second side always trackless
- Beams of 60 x 60 mm cross sections - robust
- Support structure
- Reinforced snow-proof construction
- Double sealing between modules and rails to
- Reduce heat leakage
- Safeguarding in adverse weather conditions
- Low, luxury cover
- Modern and safe forefronts design - embedded in
- the beam profile
- Anthracite surface colour
- Filling completely from full polycarbonate already
- In standard
- Joining methods without visible rivets and screws



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
VIDARIUS XZ	POOL ENCLOSURE	UP TO 1510 CM	UP TO 600 CM

SUNNY XZ

✓ Technical features

- Flat guide rails AluDeck
- Guide rails AluDeck for bottom side, but also for
- Upper guidance
- Beams of 60 x 60 mm cross sections - robust
- Support structure
- Reinforced snow-proof construction
- Double sealing between modules and rails to
- Reduce heat leakage
- Safeguarding in adverse weather conditions
- Low, luxury cover
- Modern and safe forefronts design - embedded in
- The beam profile
- Anthracite surface colour
- Filling completely from full polycarbonate
- Already in standard
- Joining methods without visible rivets and screws



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
SUNNY XZ	POOL ENCLOSURE	UP TO 1510 CM	UP TO 600 CM

CUBE

✓ Technical features

- Elegant look
- Detachable and portable construction
- Anthracite surface color in a special offer



Q Models

CODE	DESCRIPTIONS	DIMENSIONS	
		LENGTH	WIDTH
CUBE	POOL ENCLOSURE	UP TO 383 CM	UP TO 383 CM (WITHOUT SUPPORTING BEAM)





11 POOL LINING

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01 | ELBTAL POOL LINING

ELBTAL SBG 150

✓ Technical features

Flexible waterproofing membrane manufactured in plasticised polyvinyl chloride (PVP-P) and reinforced with fibres perfectly suited for pool lining.

Context of use:

- For public and private pools with PVC membrane lining
- Skimmer and overflow edge technology with PVC membrane lining

Features:

- Made in fully recyclable reinforced PVC
- Resistant to UV, cold temperatures and adverse weather conditions
- Good weldability and free from heavy metals
- Excellent physiological testing in compliance with EN 71/3
- Antimicrobial, resistant to all chemical products used for water treatment (according to chemical product instructions)
- Uses chemical and mechanical properties in compliance with international regulation
- Does not release dioxins into the atmosphere and can be recycled through degasification
- Strong and waterproof with a thickness of 1.5mm, guaranteeing an excellent pool seal
- Smooth and pleasant to the touch, durable and requires very little maintenance
- Resistant to pool detergents and water purification products, dependant on their individual instructions and a water temperature up to 28°C. Always read the label.

Standards:

- Manufactured in compliance with EN 13967, CE 071349-cpd-036
- Thanks to it's textured surface, Non-slip STG 200 pools, ensure safe walking on steps, ladders, children's areas and other areas of the pool where users frequently walk
- Our STG 200 pools offer excellent safety standards on non-slip surfaces, confirmed by the class c certification under DIN51097 and DIN EN 13451 standards



Models

CODE	DESCRIPTION	m ²	CODE	DESCRIPTION	m ²
800800034	Light blue Elbtal pool lining m25 x 1.65	41.25	800800208	Dark grey Elbtal pool lining m25 x 1.65	41.25
800800036	Non-slip light blue Elbtal pool lining m10 x 1.65	16.50	800800255	Non-slip dark grey Elbtal pool lining m10 x 1.65	16.50
800800038	Blue Elbtal pool lining m25 x 1.65	41.25	800800030	Sand Elbtal pool lining m25 x 1.65	41.25
800800040	Non-slip blue Elbtal pool lining m10 x 1.65	16.50	800800032	Non-slip sand Elbtal pool lining m10 x 1.65	16.50
800800204	Green Elbtal pool lining m25 x 1.65	41.25	800800211	Black Elbtal pool lining m25 x 1.65	41.25
800800252	Non-slip green Elbtal pool lining m10 x 1.65	16.50	800800257	Non-slip black Elbtal pool lining m10 x 1.65	16.50
800800205	White Elbtal pool lining m25 x 1.65	41.25	808800040	THF thinner I 1c	-
800800253	Non-slip white Elbtal pool lining m10 x 1.65	16.50	808800025	PVC PROFILE 9X3 mt.50	-
800800207	Grey Elbtal pool lining m25 x 1.65	41.25	808800026	Liner lock pool lining PVC profile	-
800800254	Non-slip grey Elbtal pool lining m10 x 1.65	16.50			

ELBTAL SBG ISLAND DREAM

✓ Technical features

Flexible waterproofing membrane manufactured in plasticised polyvinyl chloride (PVP-P) and reinforced with fibres perfectly suited for pool lining. Island dreams transforms any pool and gives it a beautiful and natural look. Thanks to it's special surface coating and non-slip certification, island dreams can be used on steps, on the shores of pool beaches and even out of the water for a smooth, pleasant feel.

Context of use:

- For public and private pools with PVC membrane lining
- Skimmer and overflow edge technology with PVC membrane lining

Features:

- Made in fully recyclable reinforced PVC
- Resistant to UV, cold temperatures and adverse weather conditions
- Good weldability and free from heavy metals
- Excellent physiological testing in compliance with EN 71/3
- Antimicrobial, resistant to all chemical products used for water treatment (according to chemical product instructions)
- Uses chemical and mechanical properties in compliance with international regulation
- Does not release dioxins into the atmosphere and can be recycled through degasification
- Strong and waterproof with a thickness of 1.5mm, guaranteeing an excellent pool seal
- Smooth and pleasant to the touch, durable and requires very little maintenance
- Resistant to pool detergents and water purification products, dependant on their individual instructions and a water temperature up to 28°C. Always read the label.

Standards:

- Manufactured in compliance with EN 13967, CE 071349-cpd-036
- Thanks to it's textured surface, Non-slip STG 200 pools, ensure safe walking on steps, ladders, children's areas and other areas of the pool where users frequently walk
- Our STG 200 pools offer excellent safety standards on non-slip surfaces, confirmed by the class c certification under DIN51097 and DIN EN 13451 standards



CAPRI



HAWAII



BALI



TAHITI

Q Models

CODE	DESCRIPTION
808800025	PVC profile 9 x 3 mt.50
808800026	Liner lock pool lining PVC profile
808800040	THF thinner I 1

CODE	DESCRIPTION
800800259	Elbe island dreams Capri pool lining -H 1.60 x 20 m.-thick 1.5 mm
800800261	Elbe island dreams Hawaii pool lining -H 1.6 x 20 m.-thick 1.5mm
800800260	Elbe island dreams Bali pool lining -H 1.6 x 20m.-thick 1.5mm
800800258	Elbe island dreams Tahiti pool lining -H 1.6 x 20m.-thick 1.5mm



ELBTAL SGB ELITE

✓ Technical features

Flexible waterproofing membrane manufactured in plasticised polyvinyl chloride (PVP-P) and reinforced with fibres perfectly suited for pool lining. The ELITE coating provides an excellent barrier against sunscreen due to its special surface lacquering and it has a high resistance to chemicals and fading.

Context of use:

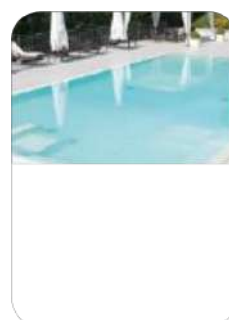
- For public and private pools with PVC membrane lining
- Skimmer and overflow edge technology with PVC membrane lining

Features:

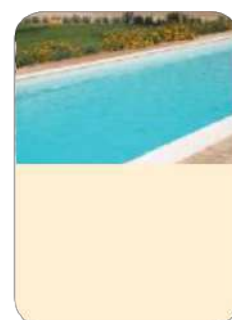
- Made in fully recyclable reinforced PVC
- Resistant to UV, cold temperatures and adverse weather conditions
- Good weldability and free from heavy metals
- Excellent physiological testing in compliance with EN 71/3
- Antimicrobial, resistant to all chemical products used for water treatment (according to chemical product instructions)
- Uses chemical and mechanical properties in compliance with international regulation
- Does not release dioxins into the atmosphere and can be recycled through degasification
- Strong and waterproof with a thickness of 1.5mm, guaranteeing an excellent pool seal
- Smooth and pleasant to the touch, durable and requires very little maintenance
- Resistant to pool detergents and water purification products, dependant on their individual instructions and a water temperature up to 28°C. Always read the label.

Standards:

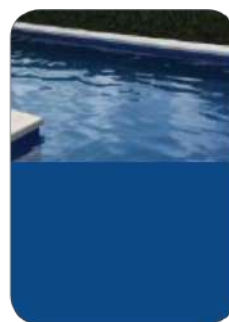
- Manufactured in compliance with EN 13967, CE 071349-cpd-036
- Thanks to it's textured surface, non-slip STG 200 pools, ensure safe walking on steps, ladders, children's areas and other areas of the pool where users frequently walk
- Our STG 200 pools offer excellent safety standards on non-slip surfaces, confirmed by the class c certification under DIN51097 and DIN EN 13451 standards



WHITE ARTIC



SAND BEACH



DEEP SEA



BLUE SKY

🔍 Models

CODE	DESCRIPTION
808800025	PVC profile 9 x 3 mt.50
808800026	Liner lock pool lining PVC profile
808800040	THF thinner 1 l

CODE	DESCRIPTION
800800262	Elbe elite white arctic pool lining -H 1.65 x 25 m
800800266	Non/slip elbe elite white arctic pool lining -H 1.65 x 10 m.
800800263	Elbe elite sand beach pool lining -H 1.65 x 25 m
800800267	Non/slip elbe elite sand beach pool lining -H 1.65 x 10 m.
800800264	Elbe elite deep sea pool lining -H 1.65 x 25 m
800800268	Non/slip elbe elite deep sea pool lining -H 1.65 x 10 m.
800800265	Elbe elite blue sky pool lining -H 1.65 x 25 m
800800269	Non/slip elbe elite blue sky pool lining -H 1.65 x 10 m.

02 | RENOLIT POOL LINING

✓ Technical features

A pool liner you can purchase in smaller quantities (standard / non-slip): Available in half rolls.

Context of use:

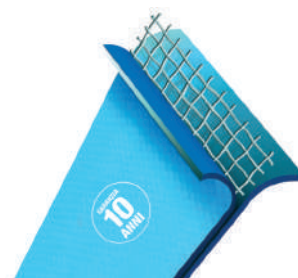
- For public and private pools with PVC membrane lining
- Skimmer and overflow edge technology with PVC membrane lining

Features:

- Made in fully recyclable reinforced PVC
- Resistant to UV, cold temperatures and adverse weather conditions
- Good weldability and free from heavy metals
- Excellent physiological testing in compliance with EN 71/3
- Antimicrobial, resistant to all chemical products used for water treatment (according to chemical product instructions)
- Uses chemical and mechanical properties in compliance with international regulation
- Does not release dioxins into the atmosphere and can be recycled through degasification
- Strong and waterproof with a thickness of 1.5mm, guaranteeing an excellent pool seal
- Smooth and pleasant to the touch, durable and requires very little maintenance
- Resistant to pool detergents and water purification products, dependant on their individual instructions and a water temperature up to 28°C. Always read the label.

Standards:

- Manufactured in compliance with EN 13967, CE 071349-cpd-036
- Thanks to it's textured surface, non-slip STG 200 pools, ensure safe walking on steps, ladders, children's areas and other areas of the pool where users frequently walk
- Our STG 200 pools offer excellent safety standards on non-slip surfaces, confirmed by the class c certification under DIN51097 and DIN EN 13451 standards



RENOLIT ALKORPLAN 1000

A textured and coloured pool lining membrane made of two smoothed and compressed layers of polyvinyl chloride (PVC-P) reinforced with a polyester mesh.

Q Models

CODE	DESCRIPTION	m ²
800800000	Light blue Renolit pool lining 25 x 1.65m	41.25
800800006	Blue Renolit pool lining 25 x 1.65m	41.25
800800002	Sand Renolit pool lining 25 x 1.65m	41.25
800800004	Green Renolit pool lining 25 x 1.65m	41.25
800800005	Grey Renolit pool lining 25 x 1.65m	41.25
800800008	White Renolit pool lining 25 x 1.65m	41.25
808800040	THF thinner 1l	-
808800025	Liner lock PVC profile 9x3 mt.50	-
808800026	Liner lock pool lining PVC profile	-



RENOLIT ALKORPLAN 2000

✓ Technical features

A textured and coloured pool lining membrane made of two smoothed and compressed layers of polyvinyl chloride (PVC-P) reinforced with a polyester mesh.



🔍 Models

CODE	DESCRIPTION	m ²	CODE	DESCRIPTION	m ²
800800009	Light blue Renolit pool lining 25 x 1.65m	41.25	800800104	Non-slip light grey Renolit pool lining m.12.60x1.65	20.79
800800100	Non-slip light blue Renolit pool lining m.12.60x1.65	20.79	800800015	Dark grey Renolit pool lining 25 x 1.65m	41.25
800800016	Blue Renolit pool lining 25 x 1.65m	41.25	800800105	Non-slip grey Renolit pool lining m.12.60x1.65	20.79
800800106	Non-slip blue Renolit pool lining m.12.60x1.65	20.79	800800018	White Renolit pool lining 25 x 1.65m	41.25
800800011	Sand Renolit pool lining 25 x 1.65m	41.25	800800019	White Renolit pool lining 25 x 2.05m	50.00
800800102	Non-slip light sand Renolit pool lining m.12.60x1.65	20.79	800800107	Non-slip dark white Renolit pool lining m.12.60x1.65	20.79
800800013	Green Renolit pool lining 25 x 1.65m	41.25	808800040	THF thinner 1l	-
800800103	Non-slip light green Renolit pool lining m.12.60x1.65	20.79	808800025	PVC profile 9 x 3 50m	-
800800014	Grey Renolit pool lining 25 x 1.65m	41.25	808800026	Liner lock pool lining PVC profile	-

RENOLIT ALKORPLAN 3000

✓ Technical features

A printed, pool lining membrane made of two smoothed and compressed layers of polyvinyl chloride (PVC-P) reinforced with a polyester mesh.



🔍 Models

CODE	DESCRIPTION	m ²
800800022	Mosaic Renolit pool lining 25 x 1.65m	41.25
800800043	Marbled Renolit pool lining 25 x 1.65m	41.25
800800042	Carrara Renolit pool lining 25 x 1.65m	41.25
800800021	Byzance Renolit pool lining 25 x 1.65m	41.25
800800045	Persia Blue Renolit pool lining 25 x 1.65m	41.25
800800044	Persia sand Renolit pool lining 25 x 1.65m	41.25
800800040	THF thinner 1l	-
808800025	PVC profile 9 x 3 50m	-
808800026	Liner lock pool lining PVC profile	-

03 | SOFT WALK

✓ Technical features

Available for pools with PVC lining only. Consists of a soft insulating foam mat with closed-cell technology, manufactured for floor or wall insulation and installed under the PVC lining. The SOFT WALK mat is a technical solution that significantly improves the pool's comfort, creating a durable, soft surface that is particularly suitable for activities such as aquafit and hydrotherapy.

The mat has several advantages:

- Acts as an insulation layer between pool lining and structure, and reducing heat dissipation from the water
- Makes walking on the pool floor safer and more comfortable
- Prevents the liner from coming into direct contact with the concrete floor or the steel walls of the pool
- Combined with a non-slip, pool floor coating, improved safety for users is guaranteed, especially in areas where the risk of slipping is higher, such as ladders and beaches
- Creates a comfortable, soft surface, where pool users can relax. Ideal for ladders, whirlpool benches or in shallow areas of the pool
- Easy installation with the use of glue and the relevant PVC finishing profiles



Q Models

CODE	DESCRIPTION
808800033	Soft walk mat 5 mm h1500-15mt
808800034	Soft walk mat 10 mm h1500-25mt

04 | SPECIAL LINING

✓ Technical features

For ponds and biotopes in marshes, small artificial lakes, fish pond decoration and artificial water streams.

- Standard lining with seals made and certified according to DIN EN 16938 (type A anti-moisture barrier and type T anti-phreatic water barrier)
- Thickness from 0.5mm to 2mm
- Resistant to UV and cold temperatures
- Available pre-packaged or made to measure
- Colour: Top WTG 150 / green (546), Bottom WTG 150 / black (801)
- Resistant to ageing and rot
- Stable in compliance with DIN 16726/DIN 4062
- Weldable
- Free from lead and cadmium
- Not resistant to bitumen, combustible oil, diesel fuel and hartschaum polystyrene
- Free from regenerated materials



Q Models

CODE	DESCRIPTION	m ²
800800120	Lining in 2 x 25 rolls - 1,5 mm thickness	50.00



05 | SEALING

LIQUID PVC ALKOR

✓ Technical features

Liquid PVC adhesive compound used for reinforcement of welding joints, internal and external corners of Renolit Alkorplan waterproofing membranes

- Polyvinyl chloride (PVC) and tetrahydrofuran (THF) solution in 1kg container
- Colours in blue, light blue, green, white, clear, black, sand, grey and dark grey
- A highly viscous fluid that has a thick, sticky consistency
- A volatile solvent that easily evaporates at normal temperature
- Low flash point: -17° Closed cup
- Consumption: approx. 1kg/100m



Q Models

CODE	DESCRIPTION
800800049	Liquid PVC Applicator Bottle
800800061	Liquid PVC light blue adriatico
800800062	Liquid PVC blue
800800063	Liquid PVC light green caraibi
800800053	Liquid PVC white

CODE	DESCRIPTION
800800054	Liquid PVC transparent
800800064	Liquid PVC black
800800065	Liquid PVC sand
800800066	Liquid PVC gray
800800067	Liquid PVC dark gray

LIQUID PVC ELBTAL

✓ Technical features

Liquid PVC for sealing and finishing of Elbtal PVC lining welds

- Polyvinyl chloride (PVC) and tetrahydrofuran (THF) solution in 1kg container
- Colours in blue, light blue, green, white, clear, black, sand, grey and dark grey
- A highly viscous fluid that has a thick, sticky consistency
- Low flash point: -17° Closed cup
- Consumption: approx. 1kg/100m



Q Models

CODE	DESCRIPTION
800800049E	Liquid PVC Applicator Bottle
800800061E	Liquid PVC light blue adriatico
800800062E	Liquid PVC blue
800800063E	Liquid PVC light green caraibi
800800053E	Liquid PVC white
800800054E	Liquid PVC transparent
800800064E	Liquid PVC black
800800065E	Liquid PVC sand

CODE	DESCRIPTION
800800066E	Liquid PVC gray
800800067E	Liquid PVC dark gray
800800068E	Liquid PVC Bali
800800069E	Liquid PVC Bali / Capri / Hawaii
800800073E	Thairi
800800074E	White artic
800800075E	Sand beach
800800076E	Deep Sea
800800077E	Blue sky

EPOXY ENAMEL

✓ Technical features

Used for the waterproofing of pools or concrete basins in new or previously painted pools. Our 5kg epoxy enamel package is ideal as a catalyst (808800012), applying three coats is recommended.

Application:

1. Remove dust, preferably with a vacuum cleaner
2. Clean with an acidic detergent, eliminating all traces of grease, rust, etc.
3. Rinse with water
4. Add the catalyst (not included) in a proportion of 1 to 2
5. Mix well and allow to settle for 15 minutes. Apply within 8 hours. The product can be applied with brush, roller or sprayed. If necessary, add nitro thinner
6. Wait 6-7 days before filling the pool

Coverage/mixing suggestions:

- For first coat, use slightly diluted. Use 1kg of product for every 4 to 6 sq.m
- For second coat, use undiluted. Use 1kg of product for every 4 to 6 sq.



Q Models

CODE	DESCRIPTION
808800012	Catalyst for Enamel - 2.5kg
808800013	Epoxy Enamel - 5kg

LINING GLUE

✓ Technical features

- ALKOR PLUS B40 is a solvent-based polyurethane adhesive that can be used for gluing flexible materials of synthetic origin (including plasticized materials)
- ALKOR PLUS B40 is used to facilitate hot-welding operations in the following cases:
 - o To glue the central part of the non-slip lining to ladders, steps and roman steps; the edge is then welded with Leister and sealed in the normal way
 - o To pre-fasten the lining on reinforced concrete surfaces (for instance on steps, to ensure better traction for floor lining and on shutter housing top areas, without using anchor bolts)
 - o Installation of PVC lining over an existing PVC lining (for instance in case of repairs or reconstruction over old PVC lining, re-lining after installation of Foam layer); the perimeter of the new lining is then welded with Leister and sealed as usual



Q Models

CODE	DESCRIPTION
800800072	Alkorplus Glue 5kg
800800014	B40 Glue 15kg

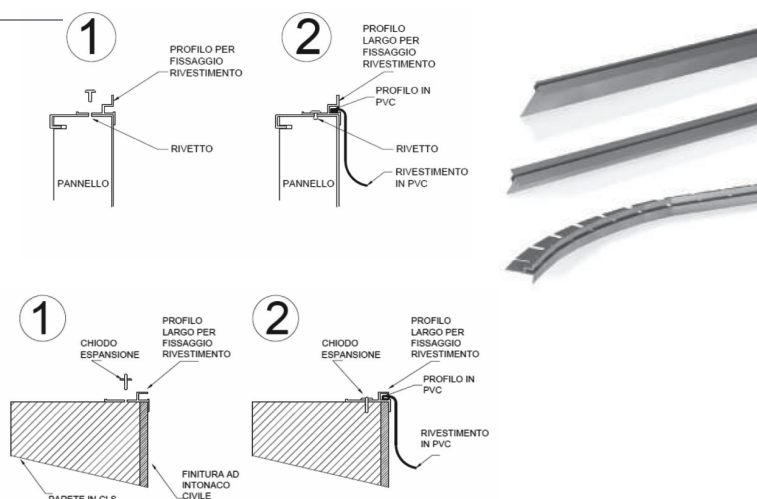


06 | ALUMINIUM PROFILE

FASTENING PROFILE

✓ Technical features

- Fastening profile for PVC lining installation. To be secured along the perimeter of pool with panel or concrete construction
- H-shaped (double tab) anodised aluminium profile, for lining with groove, for PVC lining profile. Supplied in 3m strips for panel walls only
- Pre-cut H-shaped (double tab) anodised aluminium profile, for lining with groove, for PVC lining profile. Supplied in 3m strips for radial or free form walls of panel construction
- L-shaped (single tab) anodised aluminium profile, for lining with groove, for PVC profile. Supplied in 3m strips for concrete wall construction
- Pre-cut L-shaped (single tab) anodised aluminium profile, for lining with groove, for PVC lining profile. Supplied in 3m strips for radial or free form walls of reinforced concrete construction



Q Models

CODE	DESCRIPTION
808800021	Flexible anodized aluminum profile
808800022	Large anodized aluminum profile
808800023	Large flexible anodized aluminum profile

OPTIONAL

CODE	DESCRIPTION
802100009	Aluminum 3.4 x 11 rivets
808800011	Aluminum 4.8 x 26 expansion bolts

FIXING

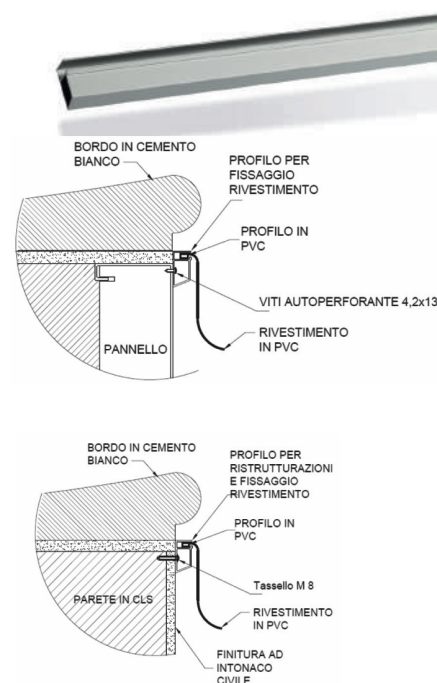
✓ Technical features

ALUMINIUM PROFILE

- Fastening profile for PVC lining installation. To be secured along the perimeter of pool with panel or concrete construction
- Anodised aluminium profile developed for existing pool reconstruction projects
- Includes a groove for PVC profile
- Supplied in 3m strips

Q Models

CODE	DESCRIPTION
808800024	Aluminum profile restructuring
100201013	M8 anchor bolts in package of 50 pcs, use one every 30cm along the pool perimeter (optional)

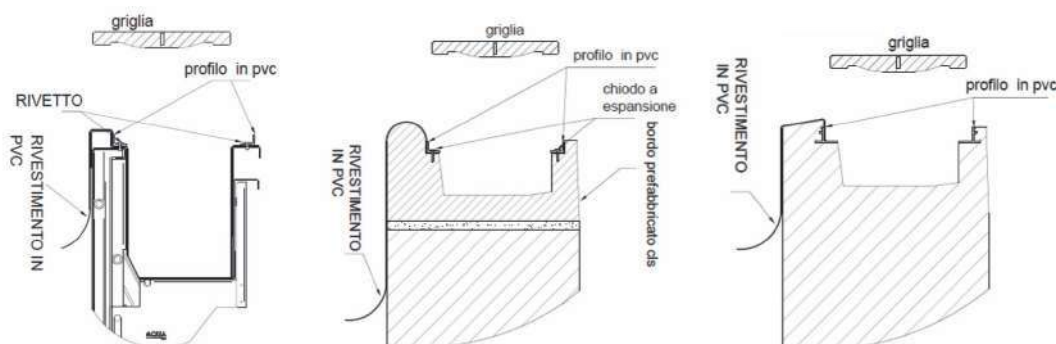


07 | GRID PROFILE

L-SHAPED PVC PROFILE

✓ Technical features

- L-shaped PVC profile for prefabricated or concrete overflow channel lining and for overflow edge grid housing
- To be fastened to the pool edge with rivets in the prefabricated version
- To be fastened with expansion bolts or anchors on concrete edges
- PVC profile to be installed during the fabrication of poured-in-place shaped channel, does not require the use of other fasteners
- Weldable PVC profile: 25mm x 20mm x 3mm in 3m bars strips



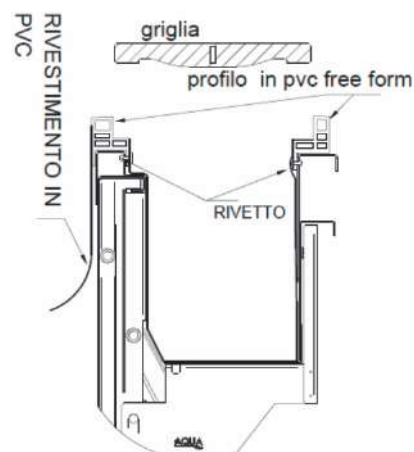
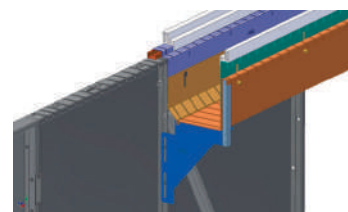
Q Models

CODE	DESCRIPTION
808800030	PVC profile overflow 25 x 20 x 3
808800032	PVC profile 25 x 20 x 3 to be installed during fabrication of poured-in-place channel

L-SHAPED PVC PROFILE

✓ Technical features

- L-shaped PVC profile for prefabricated or concrete overflow channel lining and for overflow edge grid housing
- To be fastened to the pool edge with rivets in the prefabricated version
- To be fastened with expansion bolts or anchors on concrete edges
- PVC profile to be installed during the fabrication of poured-in-place shaped channel, does not require the use of other fasteners
- Weldable PVC profile: 25mm x 20mm x 3mm in 2m bars strips



Q Models

CODE	DESCRIPTION
808800149	Internal PVC profile for overflow
808800148	External PVC profile for overflow



12 TILES

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01 | POL TILES

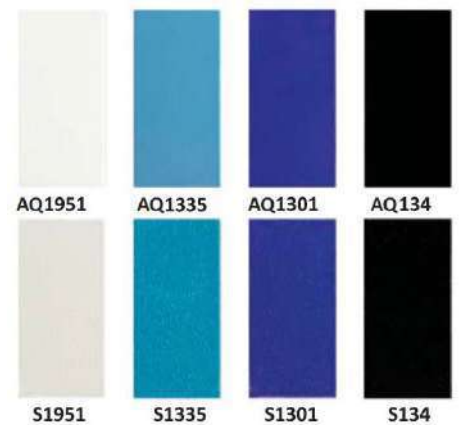
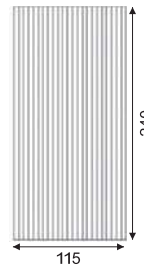
✓ Technical features

- Water absorption: 1% - 3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance
- The most popular tiles used on pool walls and floors

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation

Q Models

CODE	SIZE	PACKING	WEIGHT	VOLUME
			kg	m³
AQ1951	240 x 115 mm	36	18.5	0.01
AQ1335	240 x 115 mm	36	18.5	0.01
AQ1301	240 x 115 mm	36	18.5	0.01
AQ134	240 x 115 mm	36	18.5	0.01
S1951	240 x 115 mm	36	20	0.01
S1335	240 x 115 mm	36	20	0.01
S1301	240 x 115 mm	36	20	0.01
S134	240 x 115 mm	36	20	0.01



02 | ANTISLIP EDGE POOL TILES

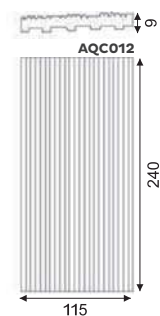
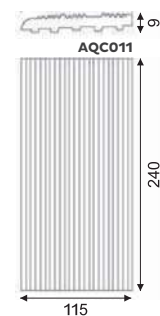
✓ Technical features

For use around the poolside to prevent slipping

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation

Q Models

CODE	SIZE	PACKING	WEIGHT	VOLUME
			kg	m³
AQC011	240 x 115 mm	36	18	0.01
AQC012	240 x 115 mm	36	18	0.01
AQC013	240 x 115 mm	36	18	0.01
AQC014	240 x 115 mm	36	18	0.01
AQC015	240 x 115 mm	36	18	0.01
AQC016	240 x 115 mm	36	18	0.01
AQC017	240 x 115 mm	36	18	0.01
AQC018	240 x 115 mm	36	18	0.01

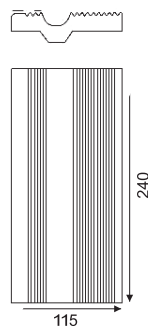


03 | HANDLE POOL TILES

✓ Technical features

For use around the pool edge, to provide swimmers with an easy grip when taking a rest

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



Q Models

CODE	SIZE	PACKING	WEIGHT	VOLUME
			kg	m³
AQC3A-1	240 x 115 mm	16	17	0.011
AQC3AW	240 x 115 mm	16	17	0.011
AQC3A	240 x 115 mm	16	17	0.011
AQC3-1	240 x 115 mm	16	17	0.011
AQC3EW	240 x 115 mm	16	17	0.011
AQC4	240 x 115 mm	16	17	0.011
AQ16	240 x 115 mm	28	14.5	0.011
AQ15	240 x 115 mm	32	14.5	0.011

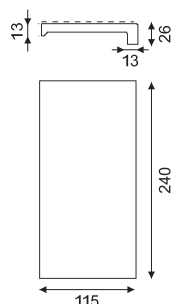


04 | SHAPE CHANNELS POOL TILES

✓ Technical features

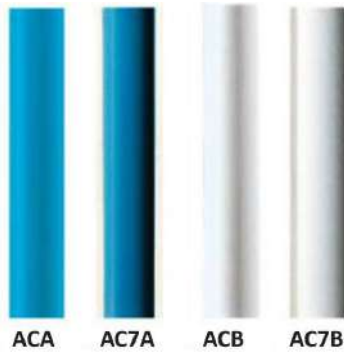
- Water absorption: 1% - 3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance
- Used in the gutter walls or swimming pool corner

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



Q Models

CODE	SIZE	PACKING	WEIGHT	VOLUME
			kg	m³
AQ6GA	240 x 115 mm	16	17	0.011
AQ6GB	240 x 115 mm	16	17	0.011
AQCA	240 x 40 mm	60	14	0.009
AQC7A	240 x 60 mm	45	14	0.009
AQCB	240 x 60 mm	45	14	0.009
AQC7B	240 x 60 mm	45	14	0.009

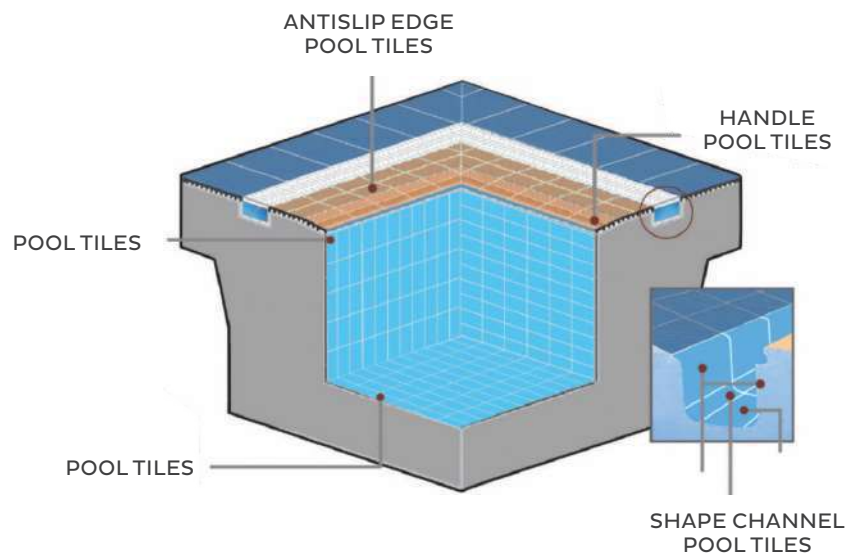
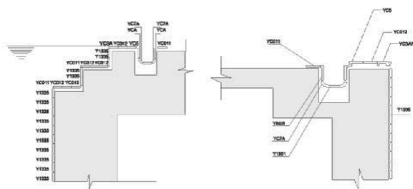
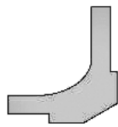
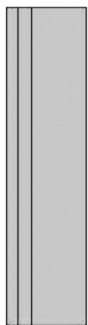
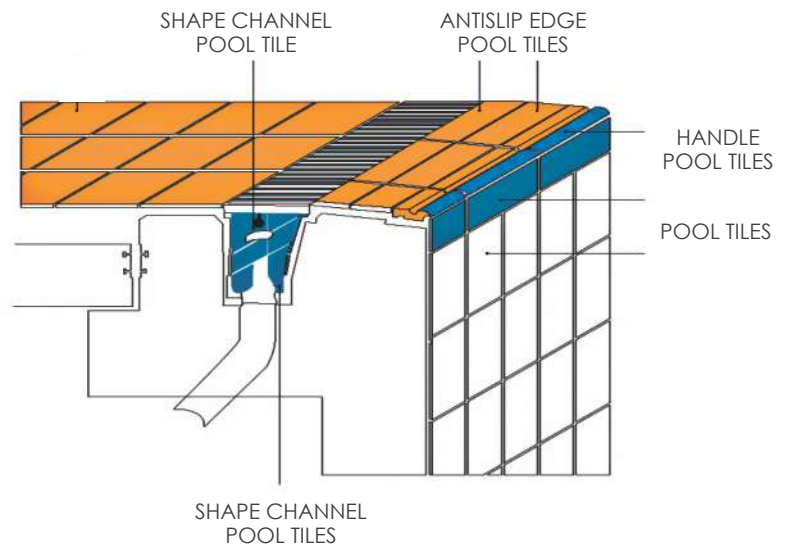


ACA

AC7A

ACB

AC7B



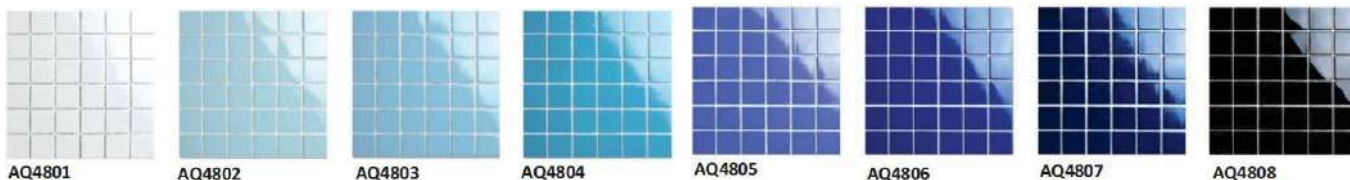
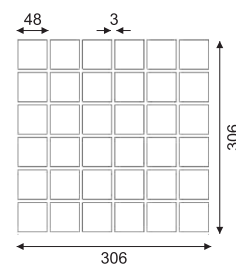
05 | CERAMIC MOSAIC SOLID COLORS SERIES

✓ Technical features

- water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerancel 1.2%
- Thermal shock resistance
- Chemical resistance

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

- Tile dimensions:
- Individual segment size: 48mm x 48mm
- Sheet size: 306mm x 306mm



AQ4801

AQ4802

AQ4803

AQ4804

AQ4805

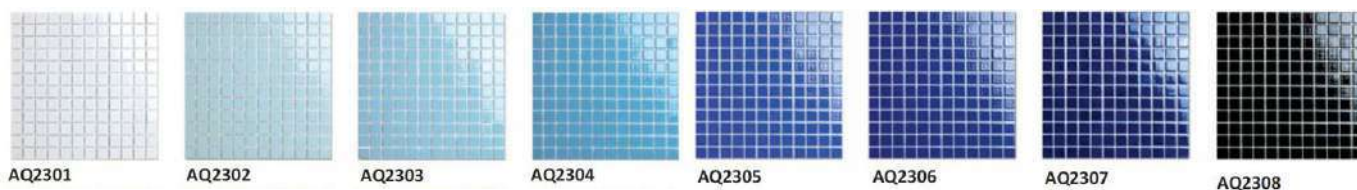
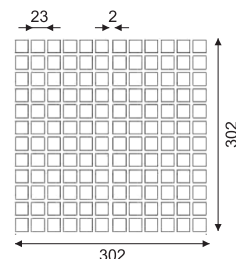
AQ4806

AQ4807

AQ4808

Tile dimensions:

- Individual segment size: 23mm x 23mm
- Sheet size: 302mm x 302mm



AQ2301

AQ2302

AQ2303

AQ2304

AQ2305

AQ2306

AQ2307

AQ2308

Q Models

CODE		PACKING	WEIGHT	VOLUME
			kg	m³
AQ4801	AQ2301	22	23	0.014
AQ4802	AQ2302	22	23	0.014
AQ4803	AQ2303	22	23	0.014
AQ4804	AQ2304	22	23	0.014
AQ4805	AQ2305	22	23	0.014
AQ4806	AQ2306	22	23	0.014
AQ4807	AQ2307	22	23	0.014
AQ4808	AQ2308	22	23	0.014

06 | CERAMIC MOSAIC KILN SERIES SIZE

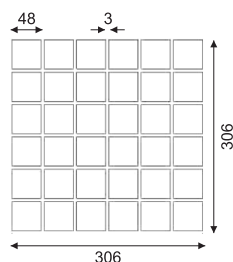
✓ Technical features

- Water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

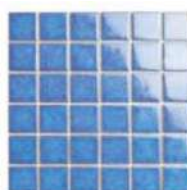
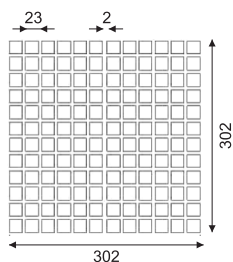
Tile dimensions:

- Individual segment size: 48mm x 48mm
- Sheet size: 306mm x 306mm

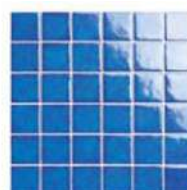


Tile dimensions:

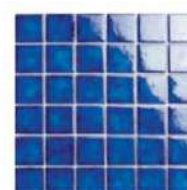
- Individual segment size: 23mm x 23mm
- Sheet size: 302mm x 302mm



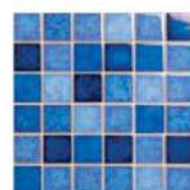
AQ4810



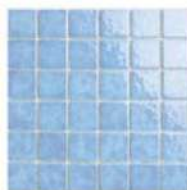
AQ4811



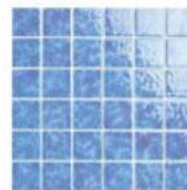
AQ4812



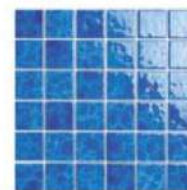
AQ48B03



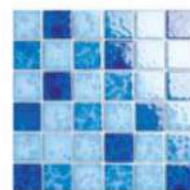
AQ48K01



AQ48K02



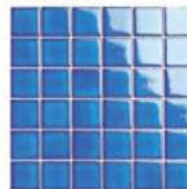
AQ48K03



AQ48B04



AQ48W01



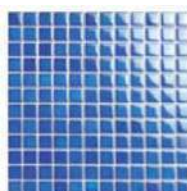
AQ48W02



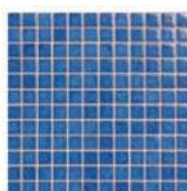
AQ48W03



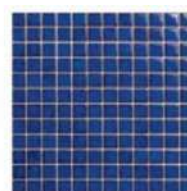
AQ48B05



AQ2319



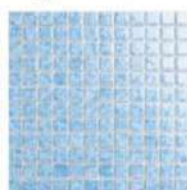
AQ2320



AQ2321



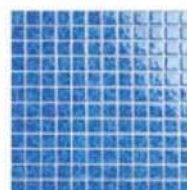
AQ23B03



AQ23K01



AQ23K02



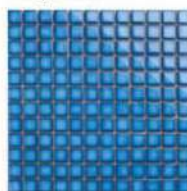
AQ23K03



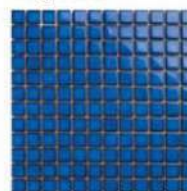
AQ23B04



AQ23W01



AQ23W02



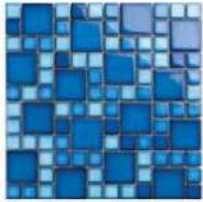
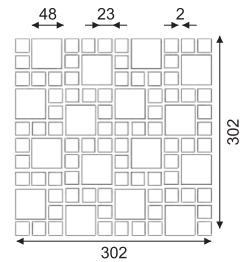
AQ23W03



AQ23B05

Tile dimensions:

- Individual segment size: 23mm x 23mm and 48mm x 48mm
- Sheet size: 302mm x 302mm

**AQH007****AQH008****AQH009**

Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AQ4810	22	23	0.014
AQ4811	22	23	0.014
AQ4812	22	23	0.014
AQ48B03	22	23	0.014
AQ48K01	22	23	0.014
AQ48K02	22	23	0.014
AQ48K03	22	23	0.014
AQ48B04	22	23	0.014
AQ48W01	22	23	0.014
AQ48W02	22	23	0.014
AQ48W03	22	23	0.014
AQ48B05	22	23	0.014
AQ2319	22	23	0.014
AQ2320	22	23	0.014
AQ2321	22	23	0.014
AQ23B03	22	23	0.014
AQ23K01	22	23	0.014
AQ23K02	22	23	0.014
AQ23K03	22	23	0.014
AQ23B04	22	23	0.014
AQ23W01	22	23	0.014
AQ23W02	22	23	0.014
AQ23W03	22	23	0.014
AQ23B05	22	23	0.014
AQH007	22	23	0.014
AQH008	22	23	0.014
AQH009	22	23	0.014



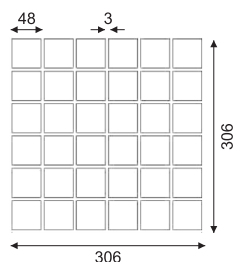
07 CERAMIC MOSAIC CRACK SERIES

✓ Technical features

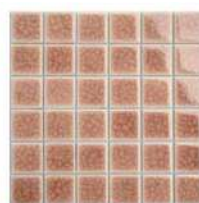
- Water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance
- Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

Tile dimensions:

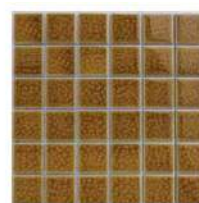
- Individual segment size: 48mm x 48mm
- Sheet size: 306mm x 306mm



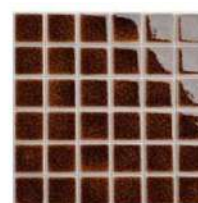
AQ8001



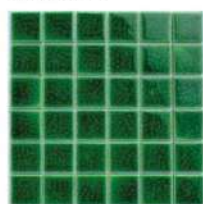
AQ8002



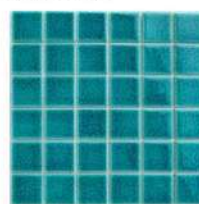
AQ8003



AQ8004



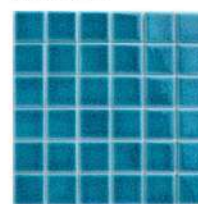
AQ8005



AQ8009



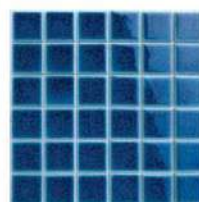
AQ8019



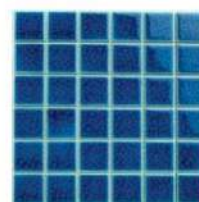
AQ1502



AQ80028



AQ82703



AQ2901

🔍 Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AQ8001	22	25.5	0.014
AQ8002	22	25.5	0.014
AQ8003	22	25.5	0.014
AQ8004	22	25.5	0.014
AQ8005	22	25.5	0.014
AQ8009	22	25.5	0.014
AQ8019	22	25.5	0.014
AQ81502	22	25.5	0.014
AQ80028	22	25.5	0.014
AQ82703	22	25.5	0.014
AQ82901	22	25.5	0.014



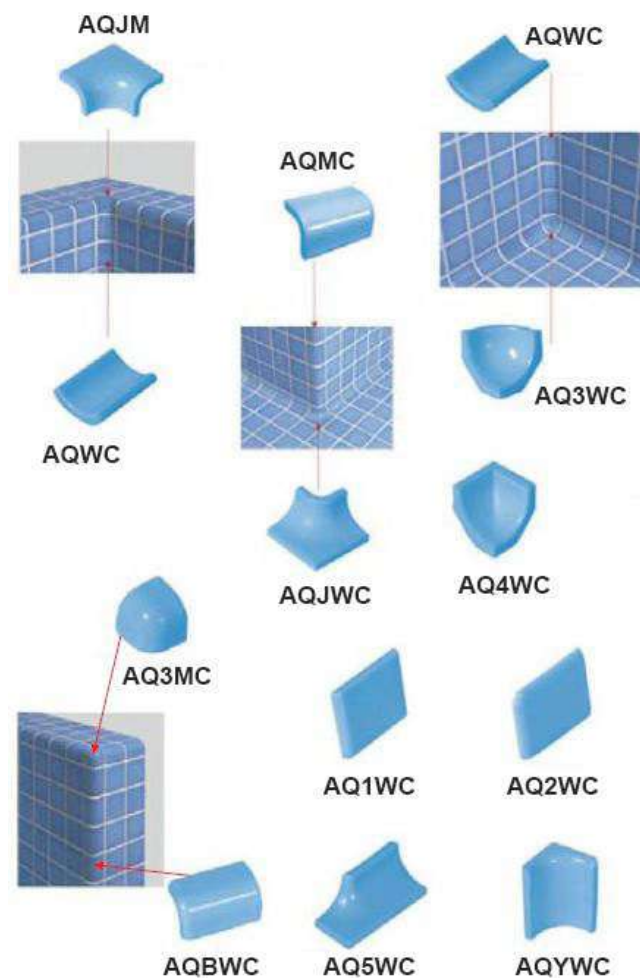
08 | MOSAIC CORNER SERIES

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all files before starting installation.

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AQJMC	600	21	0.15
AQMC	600	21	0.15
AQWC	600	21	0.15
AQ3WC	600	21	0.15
AQ4WC	600	21	0.15
AQJWC	600	21	0.15
AQ3MC	600	21	0.15
AQ1WC	600	21	0.15
AQ2WC	600	21	0.15
AQBWC	600	21	0.15
AQ5WC	600	21	0.15
AQYWC	600	21	0.15



09 | MOSAIC BORDER SERIES

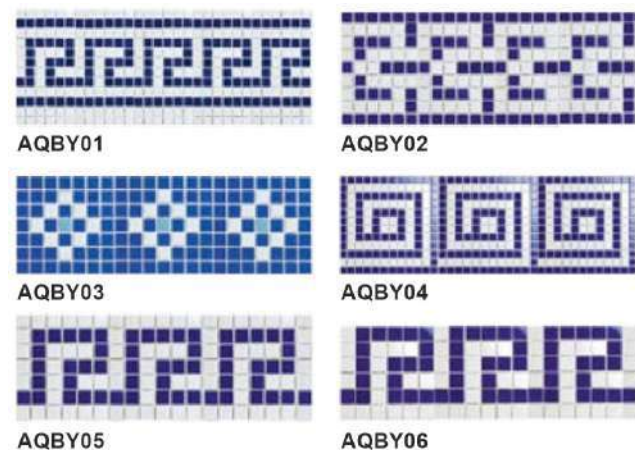
✓ Technical features

- Water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AQBY01	20	21	0.014
AQBY02	20	17	0.009
AQBY03	20	12	0.007
AQBY04	20	21	0.014
AQBY05	20	12	0.007
AQBY06	20	21	0.014



10 | MOSAIC DRAWING

✓ Technical features

- Water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance

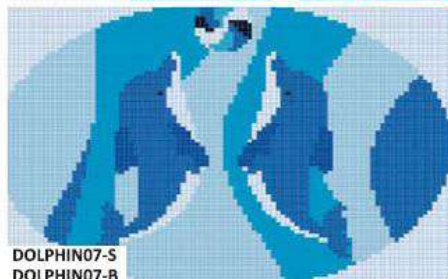
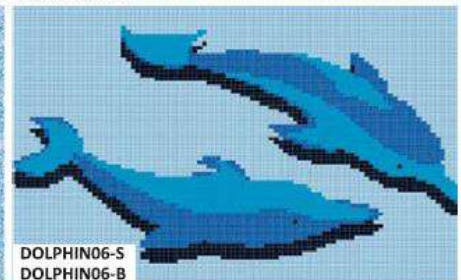
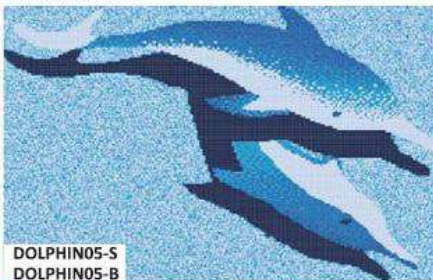
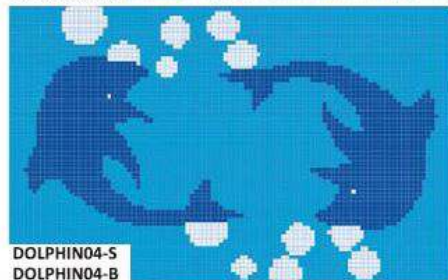
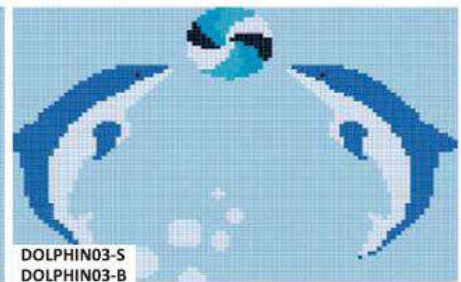
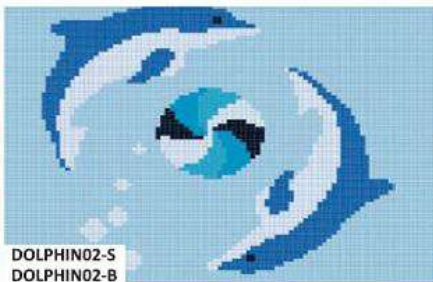
Sizes available:

-S for 2.7m x 1.8m

-B for 3.6m x 2.7m

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

Q Models



Models

CODE	SIZE	PACKING	WEIGHT	VOLUME
			kg	m³
DOLPHIN01-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN01-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN02-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN02-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN03-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN03-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN04-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN04-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN05-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN05-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN06-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN06-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN07-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN07-B	3.6 x 2.7 m	20	21	0.014
DOLPHIN08-S	2.7 x 1.8 m	20	21	0.014
DOLPHIN08-B	3.6 x 2.7 m	20	21	0.014

MOSAIC INSTALLATION

1. CHECKING THE MATERIAL

Before starting work, be careful to check the boxes containing the sheets of Aqua mosaic and ensure that there is sufficient material to complete the job. Every box indicates the item number, shade number, production batch number, and other details.

2. SKIMMING

This is a step that serves to render the substrate selected for tiling perfectly smooth, uniform and white. A substrate showing differences in colour will spoil the appearance of the finished mosaic.

3. STARTING LINES

Draw lines on the surface of the substrate to aid correct positioning of the sheets. Lay three sheets out on the floor side, so that the gap between the sheets is the same as the gap between the single tessera, and measure the overall width. Transfer this measurement both horizontally and vertically to the surface being covered and, using a straight edge and a spirit level, mark out a grid, and the area will now be divided into a number of squares, each corresponding to nine sheets of mosaic.

4. PREPARING THE ADHESIVE

Prepare the adhesive, and spread over an area no larger than will be occupied by the first nine sheets, using the trowel. First apply a thick coat with the smooth edge of the tool, drawing the teeth across evenly and "combing" the adhesive to produce a uniformly ridged bed. The sheets can now be positioned.

5. LAYING AND FIXING

The sheets are back-mounted to a mesh that should be directly applied to the bed of adhesive. On walls, the thicker strands of mesh should be positioned vertically. Please note: the gap separating adjacent sheets must be the same as the gap between single tessera.

6. A FIRM BOND

With the sheets in place, tap the tessera home with a float so that the mesh beds firmly into the adhesive.

7. A PERFECT END RESULT

With all the sheets laid or fixed, and before the adhesive begins to set, the distance between tessera can be adjusted to ensure that all gaps are of uniform width. This is done by cutting through the mesh along the gap with a knife and edging the adjoining tessera marginally closer together or farther apart with the aid of a trowel. This is a step of the mosaic tiling procedure that calls for patience. But one that also adds considerable value to the finished job.

8. GROUTING

Make sure to use all of the grout. Using the small trowel, scoop the grout, a little at a time onto the float and begin applying to the mosaic. Move the tool diagonally across the tessera, first from the bottom, up and then squeegee downwards in the opposite direction, making certain that all of the joints are completely filled and that no excess remains.

9. CLEANING

Before the grout hardens, begins cleaning off the surface. Prepare two buckets of this solution: immerse the pad in the first, and without wringing, swab the surface of the mosaic repeatedly with a circular motion. Next, immerse the sponge in the second bucket and wipe down with the sponge, this time using clean water to remove any smears, leaving the mosaic sparkling clean.

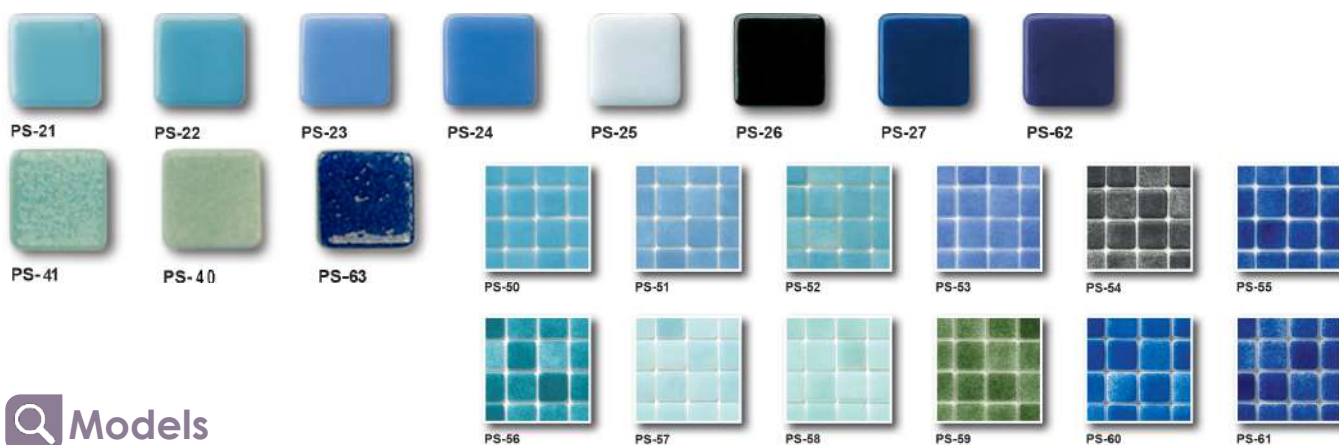
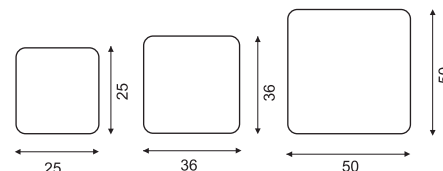
11 | GLASS MOSAIC PS SERIES

reviglass
mosaic

✓ Technical features

- Water absorption: Less than 0.3%
- Breaking strength: 60mpa
- Dimension tolerance: 1.2%
- Thermal shock resistance
- Chemical resistance

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

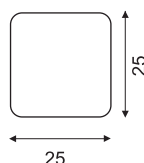


Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
PS-21	18	9.5	0.011
PS-22	18	9.5	0.011
PS-23	18	9.5	0.011
PS-24	18	9.5	0.011
PS-25	18	9.5	0.011
PS-26	18	9.5	0.011
PS-27	18	9.5	0.011
PS-62	18	9.5	0.011
PS-50	18	9.5	0.011
PS-41	18	9.5	0.011
PS-40	18	9.5	0.011
PS-63	18	9.5	0.011

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
PS-51	18	9.5	0.011
PS-52	18	9.5	0.011
PS-53	18	9.5	0.011
PS-54	18	9.5	0.011
PS-55	18	9.5	0.011
PS-56	18	9.5	0.011
PS-57	18	9.5	0.011
PS-58	18	9.5	0.011
PS-59	18	9.5	0.011
PS-60	18	9.5	0.011
PS-61	18	9.5	0.011

GLASS MOSAIC PS IRIS



Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
PS-50IRIS	18	9.5	
PS-53IRIS	18	9.5	
PS-55IRIS	18	9.5	
PS-60IRIS	18	9.5	

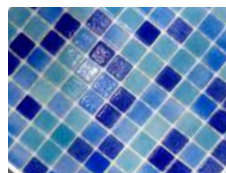
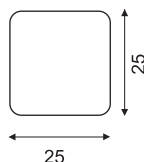


12 | GLASS MOSAIC POOL SELECTION 2

reviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



AQUAGET



MIX25-PS-VICTORIA



MIX25-PS-TANGANIKI



MIX25-PS-LEMAN



MIX25-PS-LADOGA



MIX25-PS-CASPIO



MIX25-PS-BAIKAL



MIX25-PS-ARAL



MIX IRIS EBRO



MIX IRIS TAMESIS



MIX IRIS ORINOCO



MIX IRIS TIBER



MIX IRIS SENA



MIX IRIS TIGRIS



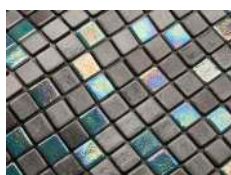
MIX IRIS INDO



MIX IRIS NILO



MIX IRIS DANUBIO



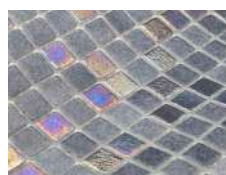
MIX IRIS LENA



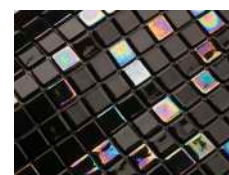
MIX IRIS MURRAY



MIX IRIS VOLGA



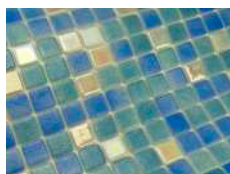
MIX IRIS TER



MIX IRIS MARKINA



PS-MIX IRIS ERNIO



PS-MIX IRIS BIDASOA



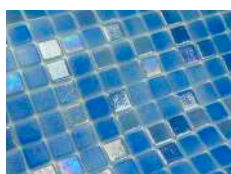
PS-MIX IRIS ARGIA



PS-MIX IRIS UROLA



PS-MIX IRIS DEBA



PS-MIX IRIS URUMEA



MIX25-PS-NESS



PS-MIX IRIS ORIA



PS-MIX IRIS CHAVON



MIX25-PS-WINNIPEG

Models

Chip size 25 x 25mm, 36 x 36 mm & 50 x 50mm

CODE	PACKING	WEIGHT	VOLUME
		kg	m³
AQUAGET (PS-50(35%)/PS-53(35%) PS-55(30%))	18	9.5	0.013
MIX25-PS-VICTORIA	18	9.5	0.013
MIX25-PS-TANGANIK	18	9.5	0.013
MIX25-PS-LEMAN	18	9.5	0.013
MIX25-PS-LADOGA	18	9.5	0.013
MIX25-PS-CASPIO	18	9.5	0.013
MIX25-PS-BAIKAL	18	9.5	0.013
MIX25-PS-ARAL	18	9.5	0.013
MIX IRIS EBRO	18	9.5	0.013
MIX IRIS TAMESIS	18	9.5	0.013
MIX IRIS ORINOCO	18	9.5	0.013
MIX IRIS TIBER	18	9.5	0.013
MIX IRIS SENA	18	9.5	0.013
MIX IRIS TIGRIS	18	9.5	0.013
MIX IRIS INDO	18	9.5	0.013
MIX IRIS NILO	18	9.5	0.013
MIX IRIS DANUBIO	18	9.5	0.013
MIX IRIS LENA	18	9.5	0.013
MIX IRIS MURRAY	18	9.5	0.013
MIX IRIS VOLGA	18	9.5	0.013
MIX IRIS TER	18	9.5	0.013
MIX IRIS MARKINA	18	9.5	0.013
PS-MIX IRIS ERNIO	18	9.5	0.013
PS-MIX IRIS BIDASOA	18	9.5	0.013
PS-MIX IRIS ARG	18	9.5	0.013
PS-MIX IRIS UROLA	18	9.5	0.013
PS-MIX IRIS DEBA	18	9.5	0.013
MIX25-PS-NESS	18	9.5	0.013
PS-MIX IRIS ORIA	18	9.5	0.013
PS-MIX IRIS CHAVON	18	9.5	0.013
MIX25-PS-WINNIPEG	18	9.5	0.013



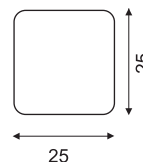
13 | GLASS MOSAIC LUMINIS SERIES

reviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

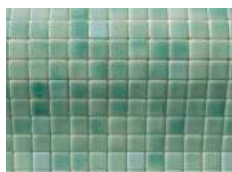
Chip size 25 x 25mm



LU-31 Arrakis MIX



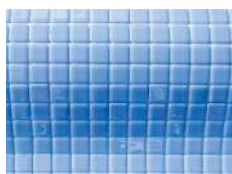
LU-32 Betria MIX



LU-33 Castor MIX



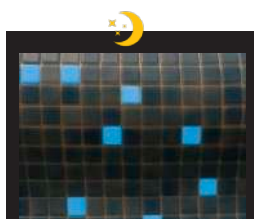
LU-34 Electra MIX



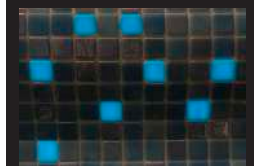
LU-35 Gatria MIX



LU-36 Kuma MIX



LU-31 Arrakis MIX



LU-32 Betria MIX



LU-33 Castor MIX



LU-34 Electra MIX



LU-35 Gatria MIX



LU-36 Kuma MIX



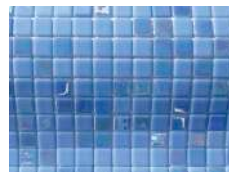
LU-37 Lucida MIX



LU-38 Merak MIX



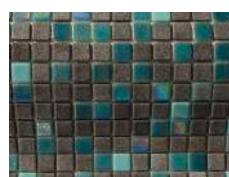
LU-39 Naos MIX



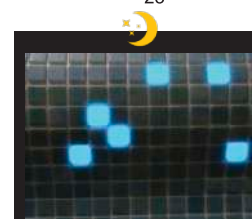
LU-40 Regulus MIX



LU-41 Seat MIX



LU-42 Tabit MIX



LU-37 Lucida MIX



LU-38 Merak MIX



LU-39 Naos MIX



LU-40 Regulus MIX



LU-41 Seat MIX



LU-42 Tabit MIX

Chip size 25 x 25mm



LU-01 Polar Iris



LU-02 Izar Iris



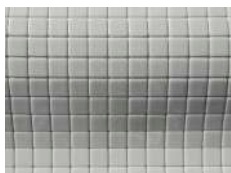
LU-03 Sirio Iris



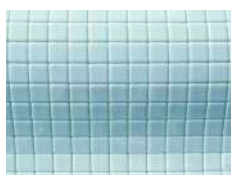
LU-04 Vega Iris



LU-11 Polar



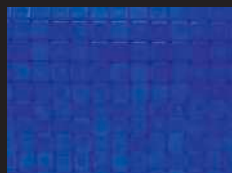
LU-12 Izar



LU-13 Sirio



LU-01 Polar Iris



LU-02 Izar Iris



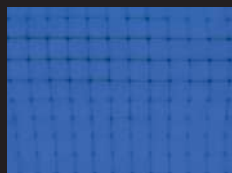
LU-03 Sirio Iris



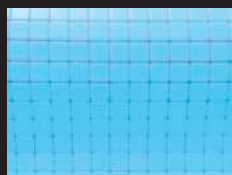
LU-04 Vega Iris



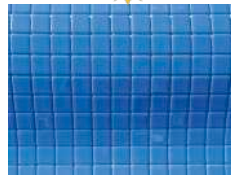
LU-11 Polar



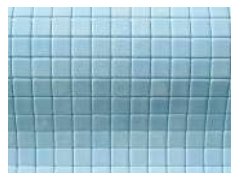
LU-12 Izar



LU-13 Sirio



LU-14 Vega



LU-15 Antares



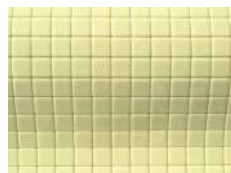
LU-16 Yellow



LU-17 Celeste



LU-18 Turchese



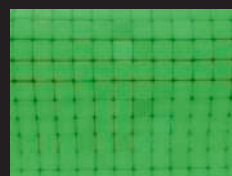
LU-19 Blue



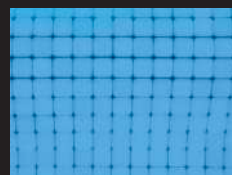
LU-14 Vega



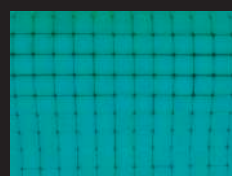
LU-15 Antares



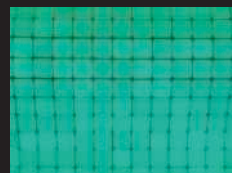
LU-16 Yellow



LU-17 Celeste



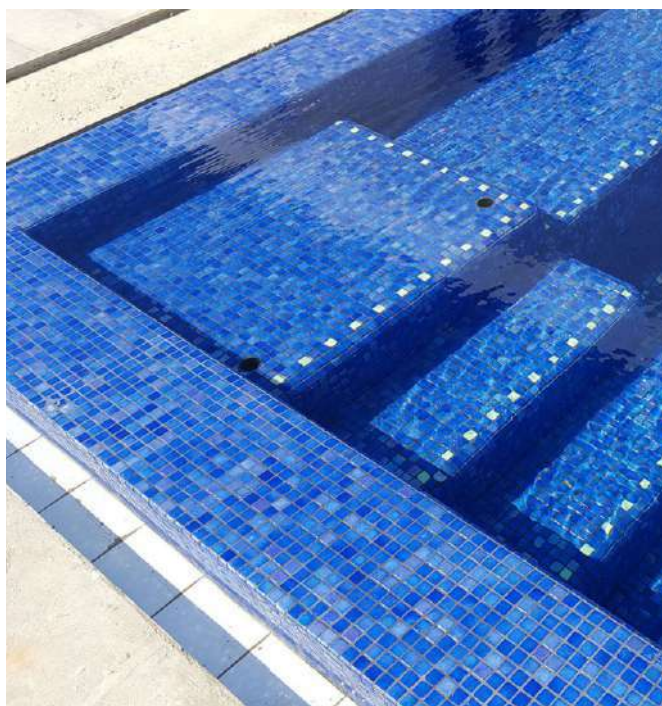
LU-18 Turchese



LU-19 Blue

Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
LU-31 Arrakis MIX	18	9.5	0.013
LU-32 Betria MIX	18	9.5	0.013
LU-33 Castor MIX	18	9.5	0.013
LU-34 Electra MI	18	9.5	0.013
LU-35 Gatria MIX	18	9.5	0.013
LU-36 Kuma MIX	18	9.5	0.013
LU-37 Lucida MIX	18	9.5	0.013
LU-38 Merak MIX	18	9.5	0.013
LU-39 Naos MIX	18	9.5	0.013
LU-40 Regulus MIX	18	9.5	0.013
LU-41 Seat MIX	18	9.5	0.013
LU-42 Tabit MIX	18	9.5	0.013
LU-01 Polar Iris	18	9.5	0.013
LU-02 Izar Iris	18	9.5	0.013
LU-03 Sirio Iris	18	9.5	0.013
LU-04 Vega Iris	18	9.5	0.013
LU-11 Polar	18	9.5	0.013
LU-12 Izar	18	9.5	0.013
LU-13 Sirio	18	9.5	0.013
LU-14 Vega	18	9.5	0.013
LU-15 Antares	18	9.5	0.013
LU-16 Yellow	18	9.5	0.013
LU-17 Celeste	18	9.5	0.013
LU-18 Turchese	18	9.5	0.013
LU-19 Blue	18	9.5	0.013

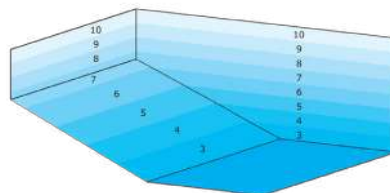


14 | GLASS MOSAIC
SAPORI SERIESreviglass
mosaic

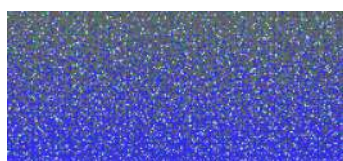
✓ Technical features

This illustration provides a guideline of how a shaded/blend pattern of tiles should be positioned in a pool with a sloped bottom. Please pay special attention to the calculations corresponding to the sloped area. It is recommended to have a printed layout before installation for optimum results

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



16 MIX



BANANA



CAMELO



CHOCOLATE



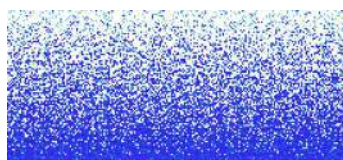
COCONUT



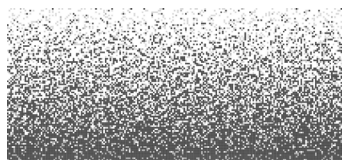
MANGO



MARACUYA



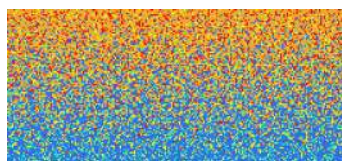
MENTA



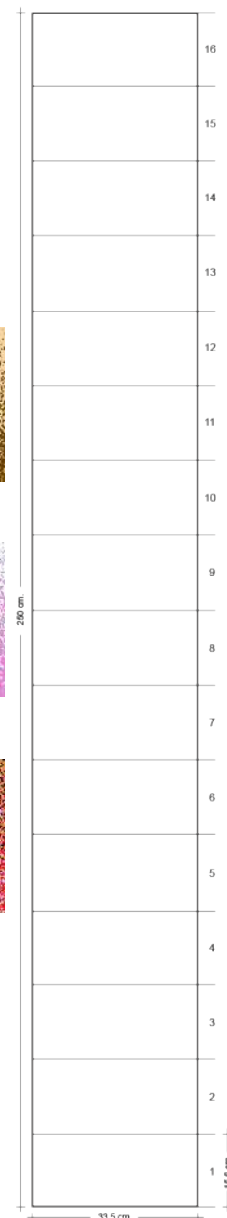
MOCA



TIRAMISU



TUTTI FRUTI



Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
BANANA	18	20	0.012
CAMELO	18	20	0.012
CHOCOLATE	18	20	0.012
COCONUT	18	20	0.012
MANGO	18	20	0.012
MARACUYA	18	20	0.012
MENTA	18	20	0.012
MOCA	18	20	0.012
TIRAMISU	18	20	0.012
TUTTI FRUTI	18	20	0.012

15 | GLASS MOSAIC DEGRADADO SERIES

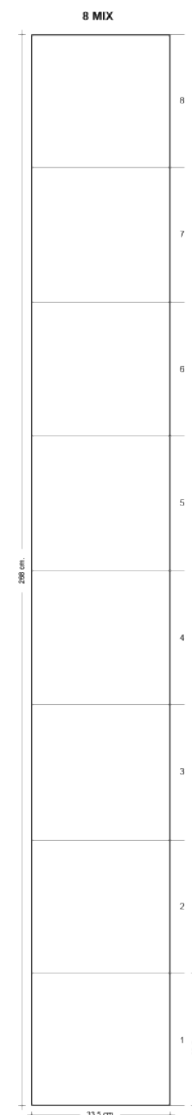
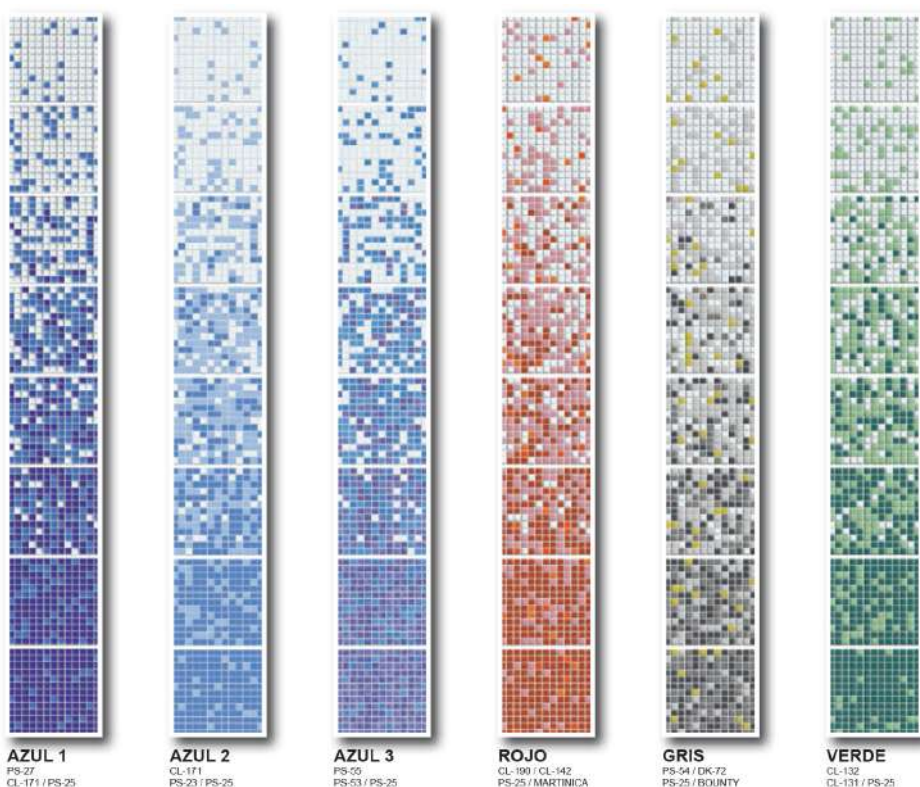
reviglass
mosaic

✓ Technical features

Blends in mosaic patterns provide an optical effect as result of careful positioning of tiles
The height of each blend corresponds to 13 tiles of 2.5cm x 2.5cm (33.5cm). An 8 Pan blend
comprises of 8 sections covering a total height of 268cm. Any part of the shaded blend can be
requested.

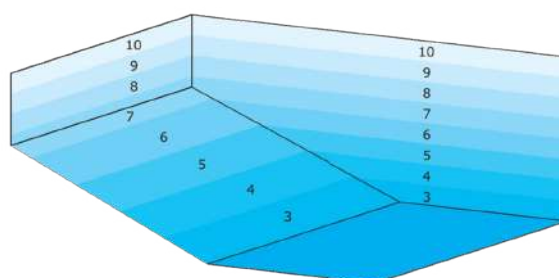
Note: There may be a slight deviation in colour between batches. We always recommend to order
the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles
before starting installation.

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recommend to order the entire swimming pool tiles in one go and to
ensure the batch number is the same of all tiles before starting installation.



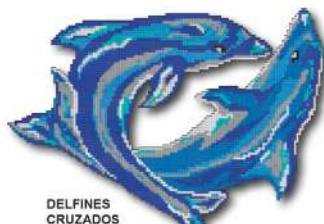
Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AZUL 1	18	20	0.012
AZUL 2	18	20	0.012
AZUL 3	18	20	0.012
ROJO	18	20	0.012
GRIS	18	20	0.012
VERDE	18	20	0.012



16 | GLASS MOSAIC
DESIGN STANDARDreviglass
mosaic

✓ Technical features

DELFIN Nº2
156 x 195 cm.DELFINES
CRUZADOSDELFINES
EN CIRCULO
190 x 215 cm.DELFIN Nº1
154 x 169 cm.FOCA Nº1
167 X 200 cm.DELFIN Nº3
208 x 120 cm.TRIO DE DELFINES
350 x 170 cm.

ANCLA Nº2 68 x 68 cm.



SALVAVIDAS 68 x 68 cm.



TIMÓN 68 x 68 cm.

TROPICAL
167 x 215 cm.TIBURÓN
115 x 223 cm.

FOCA Nº2 200 x 200 cm.

ROSA DE LOS VIENTOS Nº1
Ø 200 cm.ROSA DE LOS VIENTOS Nº2
Ø 241 cm.ROSA DE LOS VIENTOS Nº3
Ø 205 cm.ANCLA
128 x 164 cm.ESTRELLA
DE MAR
200 x 200 cm.CABALLITO
DE MAR
59 x 154 cm.

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
ANCLA N2	1	5	0.014
SALVAVIDAS	1	5	0.014
TIMON	1	5	0.014
ROSA VIENTOS N1	1	30	0.014
ROSA VIENTOS N2	2	43	0.014
ROSA VIENTOS N3	2	30	0.014
ANCLA	1	20	0.014
ESTRELLA	1	25	0.014
CABALLITO	1	10	0.014

17 | GLASS MOSAIC CENEFAS STANDARD

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.

Q Models



GRECA
PS-27 / PS-25
h: 18,2 cm.



REF. 1-A
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 2-A
PS-27 / PS-50
h: 18,2 cm.



REF. 3-C
PS-27 / PS-25
h: 18,2 cm.



REF. 5-B
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 6-B
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 7-B
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 8-B
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 9-A
PS-27 / PS-25
h: 18,2 cm.



REF. 10-B
PS-27 / PS-23 / PS-25
h: 18,2 cm.



REF. 11-C
PS-27 / PS-25
h: 18,2 cm.



REF. 12-C
PS-27 / PS-23 / PS-25
h: 18,2 cm.

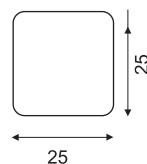
CODE	PACKING	WEIGHT	VOLUME
		kg	m³
GRACA	1	17.5	0.012
REF.1-A	1	17.5	0.012
REF.2-A	1	17.5	0.012
REF.3-C	1	17.5	0.012
REF.5-B	1	17.5	0.012
REF.6-B	1	17.5	0.012
REF.7-B	1	17.5	0.012
REF.8-B	1	17.5	0.012
REF.9-A	1	17.5	0.012
REF.10-B	1	17.5	0.012
REF.11-C	1	17.5	0.012
REF.12-C	1	17.5	0.012

18 | GLASS MOSAIC DK

reviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



AURORA



DK-70



DK-71



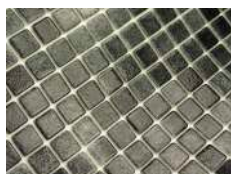
DK-72



DK-73



DK-74



DK-75



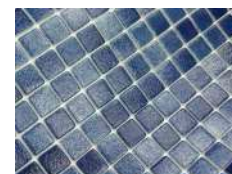
DK-76



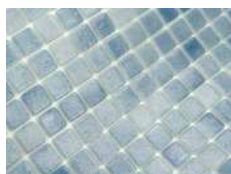
DK-77



DK-79



DK-80



DK-81



DK-82



DK-83



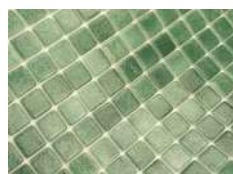
DK-84



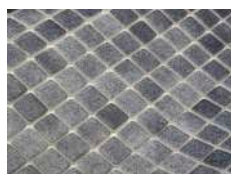
DK-85



DK-86



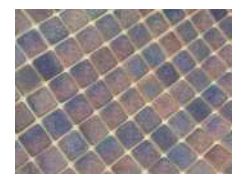
DK-87



DK-92



MENDI



VOLCAN

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AURORA	18	9.5	0.013
DK-70	18	9.5	0.013
DK-71	18	9.5	0.013
DK-72	18	9.5	0.013
DK-73	18	9.5	0.013
DK-74	18	9.5	0.013
DK-75	18	9.5	0.013
DK-76	18	9.5	0.013
DK-77	18	9.5	0.013
DK-79	18	9.5	0.013
DK-80	18	9.5	0.013

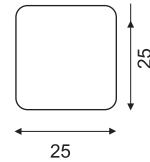
CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
DK-81	18	9.5	0.013
DK-82	18	9.5	0.013
DK-83	18	9.5	0.013
DK-84	18	9.5	0.013
DK-85	18	9.5	0.013
DK-86	18	9.5	0.013
DK-87	18	9.5	0.013
DK-92	18	9.5	0.013
MENDI	18	9.5	0.013
VOLCAN	18	9.5	0.013
-	18	9.5	0.013

19 | GLASS MOSAIC ABALON

reviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



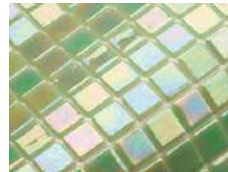
AB - 01



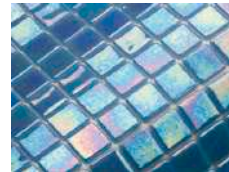
AB - 02



AB_03



AB_04



AB_05



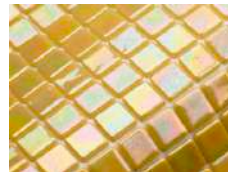
AB_06



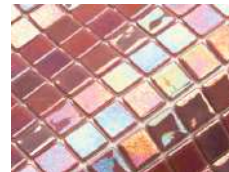
AB_07



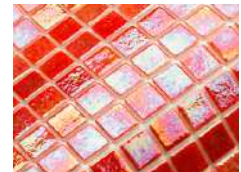
AB_08



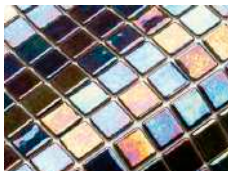
AB_10



AB_12



AB_13



AB_14



AB_15



AB_16



AB_17



AB_18



AB_38



AB_39



AB_40



AB_41



AB_vision

🔍 Models

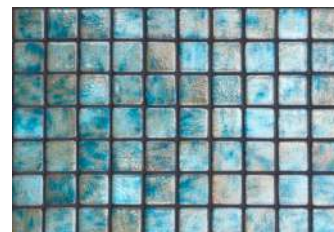
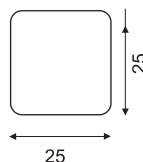
CODE	PACKING	WEIGHT	VOLUME
		kg	m³
AB - 01	18	9.5	0.013
AB - 02	18	9.5	0.013
AB - 03	18	9.5	0.013
AB - 04	18	9.5	0.013
AB - 05	18	9.5	0.013
AB - 06	18	9.5	0.013
AB - 07	18	9.5	0.013
AB - 08	18	9.5	0.013
AB - 10	18	9.5	0.013
AB - 12	18	9.5	0.013
AB - 13	18	9.5	0.013

CODE	PACKING	WEIGHT	VOLUME
		kg	m³
AB - 14	18	9.5	0.013
AB - 15	18	9.5	0.013
AB - 16	18	9.5	0.013
AB - 17	18	9.5	0.013
AB - 18	18	9.5	0.013
AB - 38	18	9.5	0.013
AB - 39	18	9.5	0.013
AB - 40	18	9.5	0.013
AB - 41	18	9.5	0.013
AB - vision	18	9.5	0.013
-	18	9.5	0.013

20 | GLASS MOSAIC
PARADISE STONEreviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



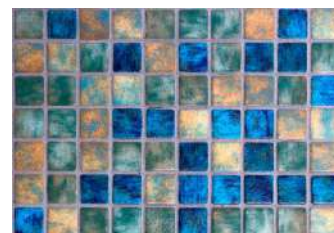
AGUAMARINA



JADE



SANDY-BALI



BLUE-BALI



GREEN-BALI



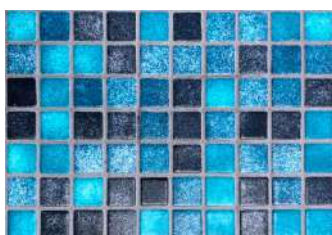
DEEP-RIVER



NATURAL-CREEK



SAND-STONE



TURQUESE-LAGOON



ZAFIRO

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
AGUAMARINA	18	9.5	0.013
JADE	18	9.5	0.013
SANDY-BALI	18	9.5	0.013
BLUE-BALI	18	9.5	0.013
GREEN-BALI	18	9.5	0.013
DEEP-RIVER	18	9.5	0.013
NATURAL-CREEK	18	9.5	0.013
SAND-STONE	18	9.5	0.013
TURQUESE-LAGOON	18	9.5	0.013
ZAFIRO	18	9.5	0.013

21 | GLASS MOSAIC POOL TILE TRIM

reviglass
mosaic

✓ Technical features

Note: There may be a slight deviation in colour between batches. We always recommend to order the entire swimming pool tiles in one go and to ensure the batch number is the same of all tiles before starting installation.



TRIM LU-11 POLAR



TRIM LU-16 YELLOW



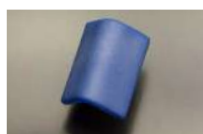
TRIM LU-18 TURCHESE



TRIM PS-25



TRIM PS-26



TRIM PS-27



TRIM PS-61



TRIM LU-11 AQUAMARINA



TRIM LU-11 BALI STONE



TRIM LU-11 BLUE MOON



TRIM LU-11 CALACATTA



TRIM LU-11 JADE



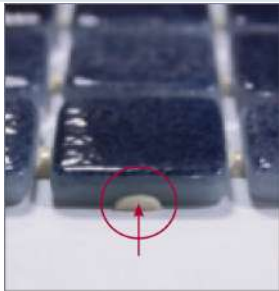
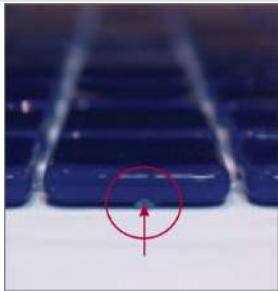
TRIM LU-11 ZAFIRO

🔍 Products

PRODUCT CODE	PACKING	WEIGHT kg	VOLUME m³
TRIM LU-11 POLAR	1	3	0.003
TRIM LU-16 YELLOW	1	3	0.003
TRIM LU-18 TURCHESE	1	3	0.003
TRIM PS-25	1	3	0.003
TRIM PS-26	1	3	0.003
TRIM PS-27	1	3	0.003
TRIM PS-61	1	3	0.003
TRIM LU-11 AQUAMARINA	1	3	0.003
TRIM LU-11 BALI STONE	1	3	0.003
TRIM LU-11 BLUE MOON	1	3	0.003
TRIM LU-11 CALACATTA	1	3	0.003
TRIM LU-11 JADE	1	3	0.003
TRIM LU-11 ZAFIRO	1	3	0.003



MOUNTING DETAILS

MOUNTING COMPARISON		
FREE SURFACE	PVC DOTS	CORD
		
	>80%	>85%
VERTICAL OCCUPATION	PVC DOTS	CORD
		
	<25%	<2%

TENSILE ADHESION STRENGTH		
CONDITIONS	PVC DOTS	CORD
STANDARD	1.84 Nw/m ²	4.33 Nw/m ²
HEATING SOURCE	1.72 Nw/m ²	4.05 Nw/m ²
WATER IMMERSION	1.54 Nw/m ²	3.14 Nw/m ²

A photograph of a swimming pool with two swimmers in the distance. The pool is divided into lanes by blue and yellow lane lines. The water is a clear blue, and the swimmers are creating splashes. The lane lines are made of a corrugated material.

13 COMPETITION EQUIPMENT

INDEX

AQUA

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15	TURNWALL	391
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01 | RACING LANES

✓ Technical features

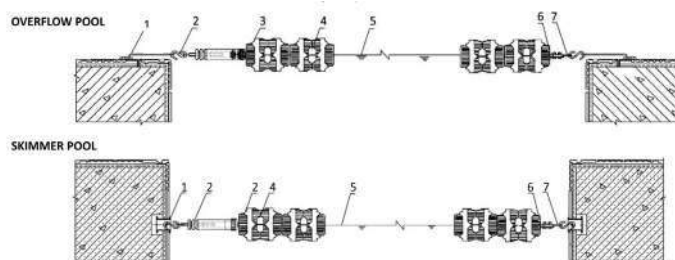
When Performance counts pools choose the original Anti Wave Racing Lanes. Our latest MAXI and MIDI model racing lanes represent the cutting edge of lane design and efficient wave dissipation. Anti Wave Racing Lanes comply with all FINA, LEN and relevant regulations. Unique Patented design creates multidimensional barrier against waves by dispersing them along the lane line, through each i

- Our world leading MAXI Lane selected for numerous FINA World Cup, Olympic Games and other top venues, as well as quality school, university, club and private facilities around the world.
- Equipped with original patented SuperTensioner - for safe and secure lane installation and removal.
- The MIDI 10mm is suitable for training and competition, water polo and general pool division.
- The MAXI 50mm is designed for optimal water dissipation and wave control in high turbidity competitive environments (shown above), such as top National and International competition venues.
- All discs are made from UV Stabilised advanced co-polymer thermoplastics.
- Designed and tested in Australia and produced to withstand the harshest conditions.
- Cable is SS316 with diameter of 3.1mm and max force of 5kn - allowing higher tension than other brands and

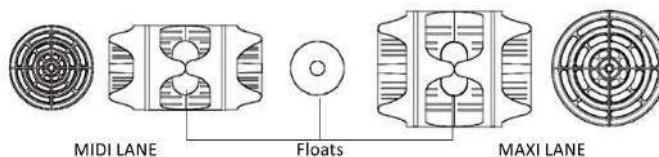
more effective wave dissipation for the worlds fastest pools.



📐 Dimensions



ITEM NO	PARTS NAME	QUANTITY
1	Lane Anchor CE-109 or CE-109OF	2
2	Super Tensioner CE-107	1
3	Disc (Midi 110mm or Maxi 150mm)	As many as the length of the Pool
4	Float/Donut	As many as the length of the Pool
5	3.1mm SS316L Cable	3m longer that the length of the Pool
6	Small Washer	2
7	SS Hook CE-106	1



🔍 Models

CODE	TYPE	Ø	LENGTH	PACKING	WEIGHT	VOLUME
		mm	mm		kg	m³
CE-101	MIDI	110	25	1	29	0.34
CE-102	MAXI	150	25	1	34	0.62
CE-103	MIDI	110	50	1	57	0.68
CE-104	MAXI	150	50	1	68	1.2



anti
ANTI WAVE - SINCE MUNICH 1972
SWIM - POLO - POOL DECK - LEISURE - BACKPACK

- Safe, durable cable in AISI-316 stainless steel for extra strength
- Cable thickness: Ø 3.1mm and can withstand a force of 5kn
- Includes hook with clamp
- Super Tensioner made from engineering plastic with short clamp set



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
CE-105	S.Steel Cable (/m)	1	0.01	0.04
CE-106	S.Steel Hook with clamp	1	0.06	0.001
CE-107	Super Tensioner with Start Clamp Set	1	0.06	0.001



03 | STAINLESS STEEL ANCHORS



✓ Technical features

- **LANE ANCHOR SKIMMER:** Made of AISI-316 stainless steel, provides secure flush anchoring for lane ropes, goal lines and water polo fields. Lane anchor cover and extension are also available
- **LANE ANCHOR OVERFLOW:** Made of AISI-316 stainless steel, allows for the installation of lane ropes and other accessories in a wet deck overflow pool configuration
- **DECK HOLE ANCHOR:** Made of AISI-316 stainless steel provides a flush-fitting secure anchor for removable sports equipment, poles and railings around the pool

CE-110



CE-109



CE-109OF

Q Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CE-109	Lane Anchor Skimmer	1	0.3	0.001
CE-109OF	Lane Anchor Overflow	1	1	0.001
CE-110	Deck Hole Anchor	1	0.3	0.001

04 | STOREEL

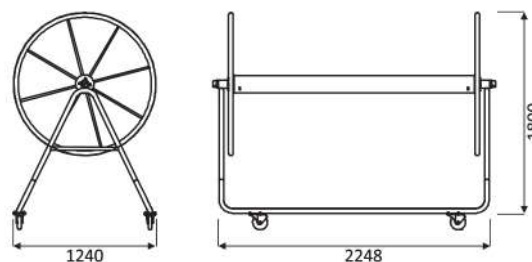


✓ Technical features

- Manufactured from white coated aluminium with stainless steel castors
- Highly durable, providing a convenient, mobile solution for the storage of racing lanes
- Holds up to six 25m MIDI Ø 110mm lanes or four 25m Maxi Ø 150mm lanes
- Green Solarguard cover for STOREEL to protect the lanes from UV damage and allow them to breath.



Q Dimensions



Q Models

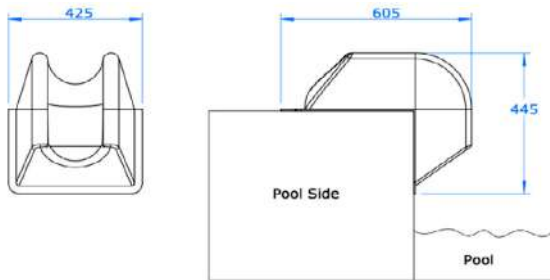
CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CE-111	Storeel	1	45	0.45
CE-112	Green Solarguard Cover for Storeel	1	2.5	0.03

05 | CADDY LANE SAVER

✓ Technical features

The GRP Caddy Lane Saver prevents lane damage from sharp edges during removal of lanes onto Storeel and re-installation.

📏 Dimensions



🔍 Models

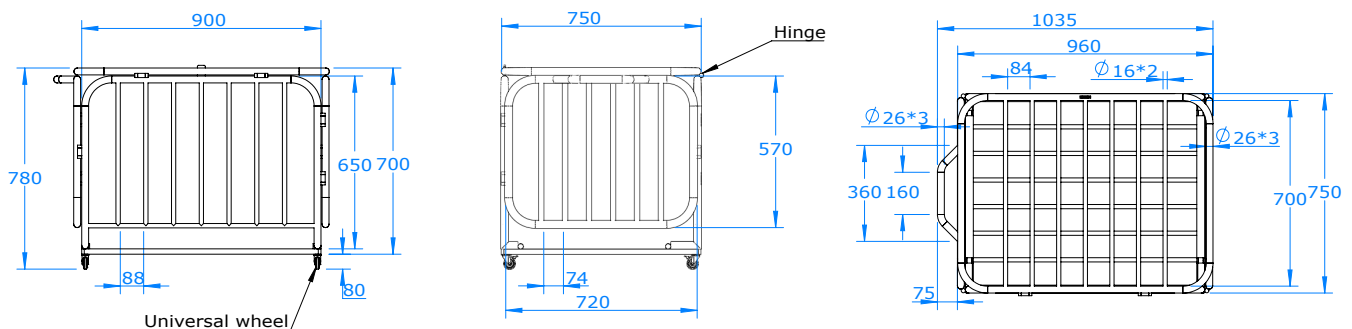
CODE	PACKING	WEIGHT	VOLUME
		kg	m³
CE-113	1	3	0.02

06 | STORAGE BIN

✓ Technical features

- Provides safe and convenient access and storage for a variety of pool deck and game equipment
- High quality aluminium construction and is easily moved around the pool deck via stainless steel castor wheels

📏 Dimensions



🔍 Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m³
CE-114	1	15	0.2



07 | STARTING BLOCK 600

✓ Technical features

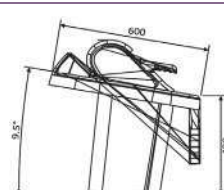
- The AQUABlock 600 is designed for competition and training pools
- Fibreglass construction with AISI-316 Stainless steel fittings
- Compliant with FINA starting platform guide lines FR2.7
- Fixed Track Start and Safe Start handles for fast start times and safety
- Backstart handle is reinforced with AISI-316 stainless steel for safety and durability
- 4 piece anchors are included
- Top platform length: 600mm
- Dimensions: 0.86m x 0.5m



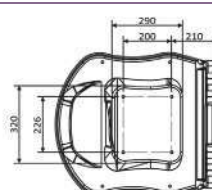
Dimensions



FRONT VIEW



SIDE VIEW



BOTTOM VIEW

Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
CE-135	1	18	0.2

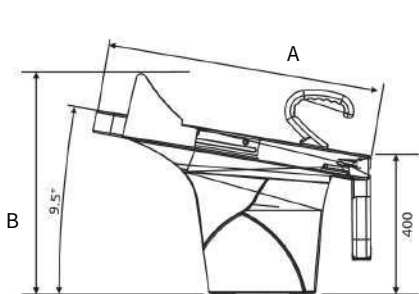
08 | SUPER STARTING BLOACK

✓ Technical features

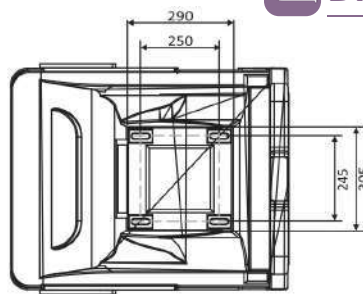
- The Super Starting Block is the premium starting block for major competitions
- Includes the FINA Approved Moveable Track Start and Safe Start Handles
- Fibreglass construction with AISI-316 stainless steel fittings
- Movable Track Start (MTS) adjustable to 5 positions
- Durable, non-slip Aquadeck® tread
- Safe Start handles for fast starts and safety
- Backstart handles reinforced with AISI-316 stainless steel for safety and durability
- Compatible with major electronic timing systems (Omega RBD)



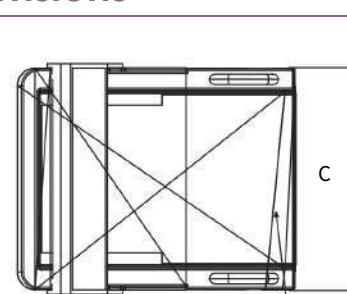
Dimensions



SIDE VIEW



BOTTOM VIEW



TOP VIEW

Aquadeck/OSB11

Q Models

CODE	HEIGHT			PACKING	WEIGHT	VOLUME
	A	B	C		kg	m ³
CE-136	650	615	580	1	35	0.3
CE-137	800	630	620	1	54	0.4

09 | OVERFLOW BLOCK STAND

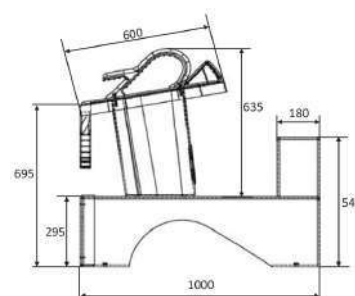


✓ Technical features

- Provides a stable platform for the installation of blocks in an overflow pool
- Produced from hand-laid FRP and AISI-316 stainless steel fittings
- Can be used with optional GRP Turn board
- Elegant design allows easy cleaning of pool deck
- Starting block not included



Dimensions



Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
CE-138	1	54	0.65

10 | STAINLESS STEEL STARTING BLOCK

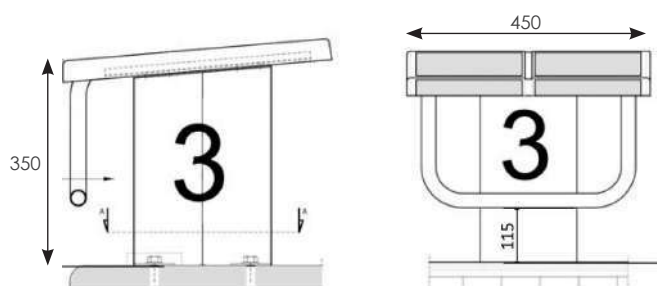


✓ Technical features

- Structure made of AISI-316 stainless steel
- Anti-slip ABS footrest
- Stainless steel handle with horizontal and vertical grip
- Colour: White (RAL 9010) or Blue (RAL 5012)
- FINA Approved



Dimensions



Q Models

CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
P2415	350	1	17	0.15



STAINLESS STEEL STARTING BLOCK

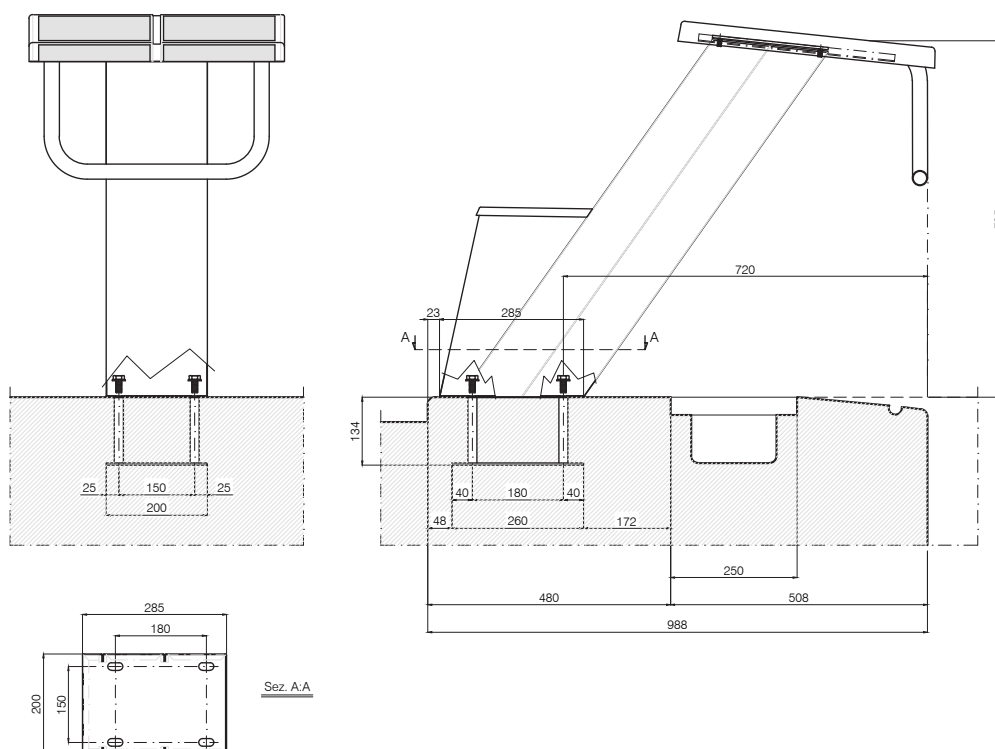


✓ Technical features

- Structure made of AISI-316 stainless steel
- Anti-slip ABS platform
- Adjustment platform for any position with a range of 0-20 cm
- Stainless steel handle
- Colour: White (RAL 9010) or Blue (RAL 5012)
- FINA Approved



📏 Dimensions



🔍 Models

CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
P2423	720	2	-	0.30

11 | END WALLS

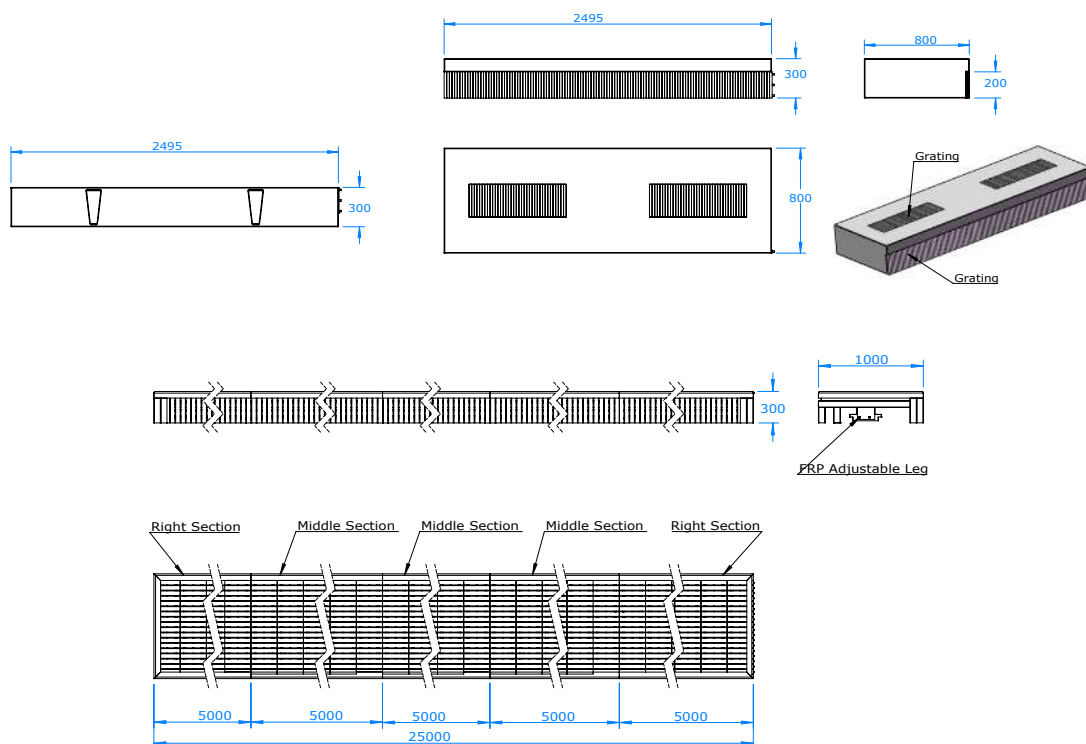


✓ Technical features

- The AQUA End wall has been designed to provide a safe and efficient means of managing competition and fitness swimming in an overflow or 'wet deck' pool environment
- Easy to install and simple to remove and store
- Suitable for competitive events and normal competition or training
- Enables the installation of starting blocks and timing equipment in an overflow pool environment
- Easy identification of the pool edge for all swimmers
- Non-slip surface provides safe and speedy exiting of the pool
- Removable side gratings provides quick and easy cleaning of the channel whilst the end wall remains in place
- Can be used with most popular timing systems and touch pads



Q Dimensions



Q Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m ³
CE-139	FRP ENDWALL WHITE 2.5 x 0.8 x 0.3 m	1	60	0.8
CE-139-HT	WHITE EXTRACTED ENDWALL 2.5 x 1.0 x 0.3 m HITECH	1	100	1.0



12 | BACKSTROKE FALSE START SET



✓ Technical features

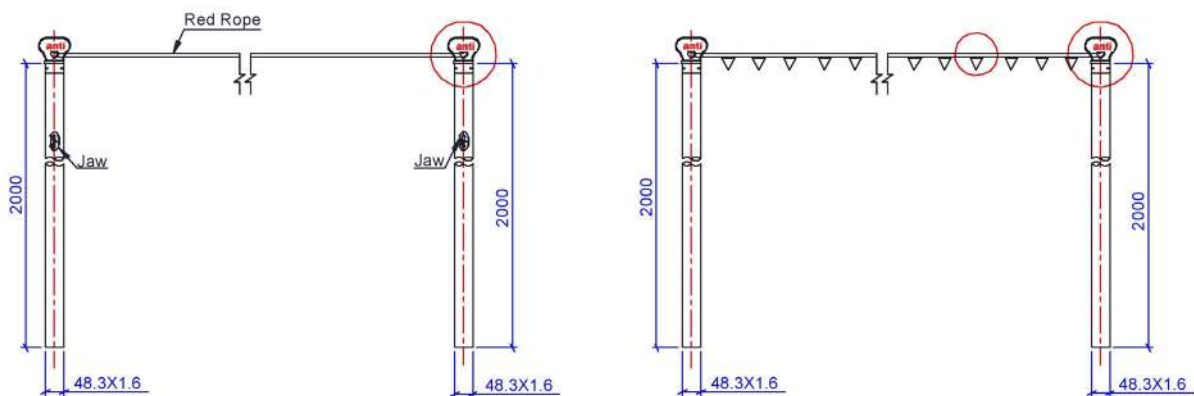
- Includes set of corrosion-resistant aluminium poles, flags, lines and fittings
- Poles are 2m high
- The set is supplied with sufficient Stainless steel deck hole anchors for easy installation



Q Models

CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
CE-134-F	FALSE START POLES ROPE SET SS316 Poles w/ Jaw x 2, DH Anchor x 2, Rope	1	54	0.65
CE-134	BACKSTROKE POLES AND FLAG SET SS316 Poles no Jaw x 2, DH Anchor x 2, Flags	1	30	0.40

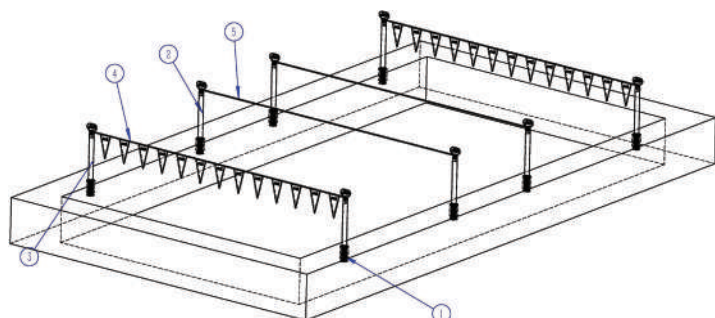
Dimensions



CE-134-F

CE-134

1. Backstroke Poles and Flags Set - Deck Hole Anchor
2. False Start Poles and Rope Set - SS 2m Pole
3. Backstroke Poles and Flags Set - SS 2m Pole
4. Backstroke Poles and Flags Set - Flags and Rope
5. False Start Poles and Rope Set - False Start Rope



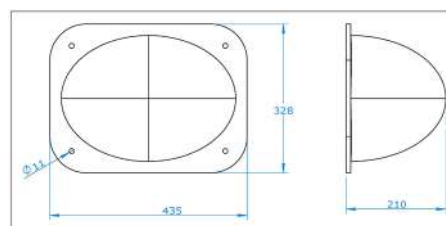
13 | "NO DIVING" BLOCK CONE

✓ Technical features

Block Cone that straps onto any starting block to restrict diving or to provide signage



Dimensions



Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
CE-115	1	3	0.02

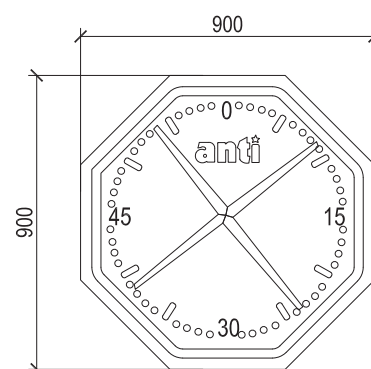
14 | PACE CLOCK

✓ Technical features

- Designed specifically for the Sydney 2000 Olympics Pool and combines excellent design with functionality
- For wall hanging with a 220V drive socket
- Dimensions: 900mm x 900mm
- Multi-coloured hands provide clear and easy reading from the water level
- Engineering plastic frame with acrylic cover



Dimensions



Q Models

CODE	PACKING	WEIGHT	VOLUME
		kg	m ³
CE-133	1	18	0.2



15 | TURNWALL

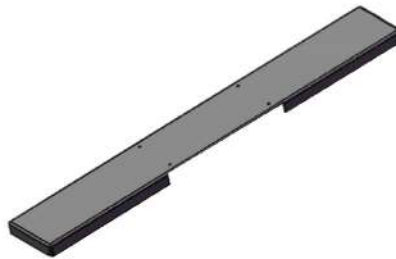


✓ Technical features

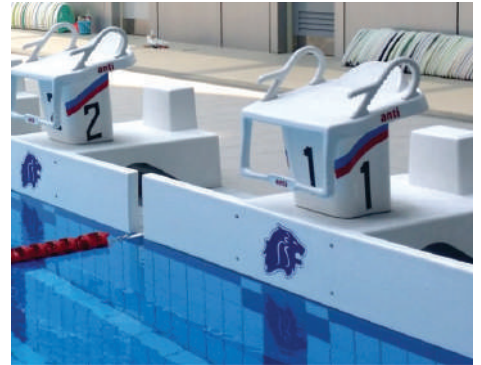
- TURNBOARD GRP: Produced from FRP with AISI-316 stainless steel fittings
- Attaches to the overflow block stand



CE-142



CE-143



🔍 Models

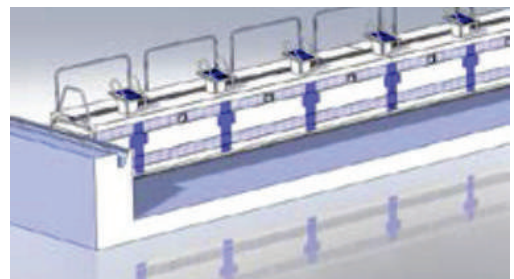
CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
CE-140	TURNBOARD GRP 1.2 x 0.3 m	1	10	0.10
CE-141	TURNBOARD GRP 1.9 x 0.3 m	1	14	0.15
CE-142	TURNBOARD FIBERGLASS 1.2 x 0.3 m	1	10	0.04
CE-143	TURNBOARD FIBERGLASS 2 x 0.3 m	1	13	0.06

16 | MOVABLE BULKHEAD

✓ Technical features

- Movable bulkhead, setting the international standard for bulkhead pool configuration and programmability
- High-precision, corrosion resistant bulkhead that successfully meets all international regulations and requirements which has a positive appeal to the swimming community
- Bulkhead motorisation began in 1985 and is still in operation, with our latest design, leading the world in reliability and efficient operation

To order, please enquire and supply dimensional information.

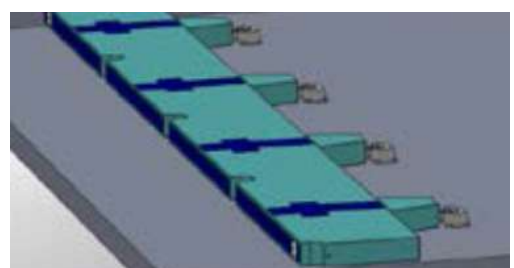
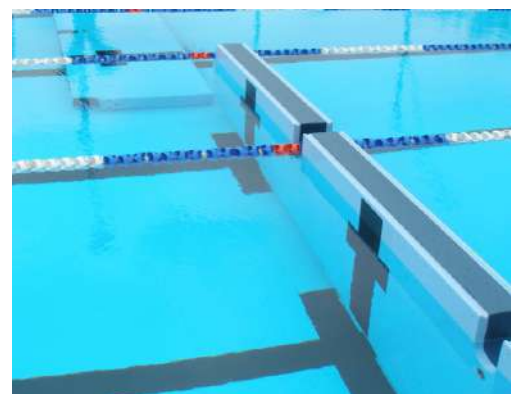


17 | SUBMERSIBLE SWIMWALL

✓ Technical features

- The Submersible Swimwall is locked flat on the pool floor when not in use and can be raised within minutes, when required, by introducing compressed air using supplied airlines into the bulkhead. The bulkhead is then locked into the upright position against the pool side
- The ability to span either half or all of the pool allowing even greater flexibility for pool programming
- The Submersible Swimwall has been manufactured in FRP with internal buoyancy to permit manual operation using supplied air lines. Vertical bulkhead walls are supplied with target markings in accordance with Fina regulations
- Provision is made for lane ropes to pass through the bulkhead as required, and for the connection of lanes to the Swimwall

To order please enquire.





14 TEMPERATURE CONTROL

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01 | HEAT PUMP TOP/FRONT DISCHARGE INVERTER



✓ Technical features

Incorporates purpose-built components for long lasting and high efficiency that achieves maximum results.

- Used for heating or cooling residential and public pools such as hotels, schools, fitness centres, and aqua parks
- From 7kW up to 220kW
- High efficiency that reaches up to 13 COP, reduces energy usage and enables a longer swimming season
- Unique design metal cabinet with integrated control system
- Inverter fan with low noise level the sound level of the unit at 1 meter, is as low as 40dB(A) under silence mode
- Automatic evaporator defrosting with low-noise fan operation
- High/Low pressure protection available
- Intelligent touch screen LCD control system can be connected to BMS or Wi-Fi
- Titanium Heat Exchanger
- The heat pumps are equipped with high-performance inverter compressors from reputed brands such as Mitsubishi, GMCC, and Panasonic, operating with R410A refrigerant
- Phase monitor: Protects the compressor in case of phase loss or inversion
- Super Silent:
 - The compressor is equipped with an acoustic insulation jacket designed to minimize noise transmission and vibration, ensuring reduced operating sound levels.
 - The Inverter compressor produces a much lower running noise level
 - A newly developed fan blade design is employed within the heat pump which makes the unit run even quieter
- An electronic expansion valve, on each compressor, regulates the refrigerant flow rate to ensure the unit operates with high efficiency in different weather conditions



Wifi
Connectivity



COP
up to 13



Electronic
Expansion Valve



Inverter
Compressor



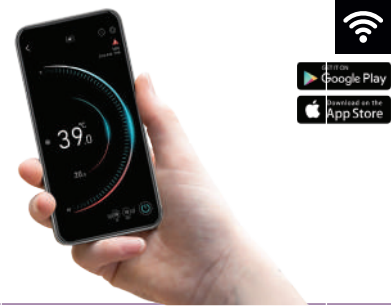
Titanium Heat
Exchanger



Inverter
Fan

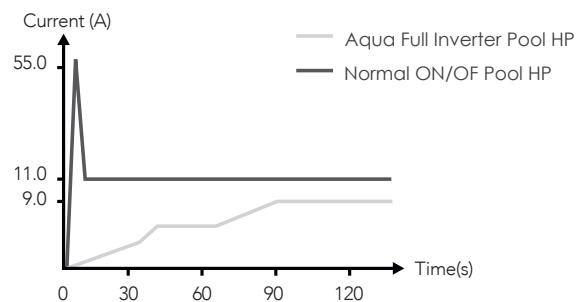
SIMPLIFY YOUR LIFE WITH THE AQUA APP

The compressor is equipped with an acoustic insulation jacket designed to minimize noise transmission and vibration, ensuring reduced operating sound levels you to take full control of your swimming pool heat pump from anywhere in your home or office with a simple app on your smartphone.



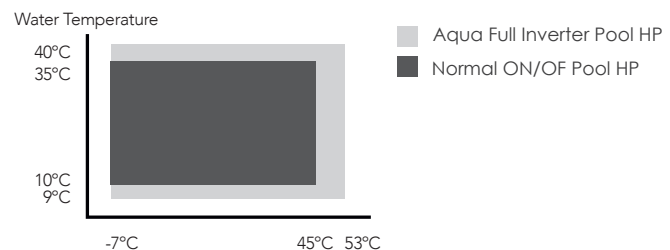
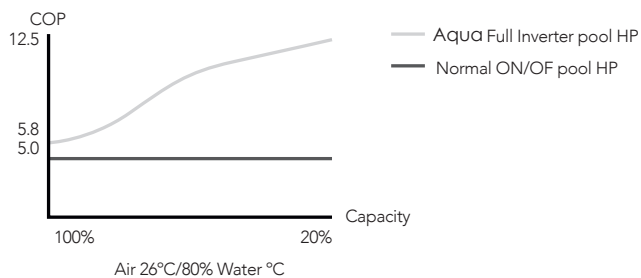
SOFT START

Aqua Full Inverter Pool Heat Pumps achieve a stairlike rise of the compressor frequency. When the unit starts, the current will gradually rise from 0A to half of the rated current, and then rise step-by-step to the rated current within a few minutes. Normal on/off heat pumps start with an instantaneous current over 6 times higher than the full-inverter heat pumps, which will be harmful to the home electricity system.



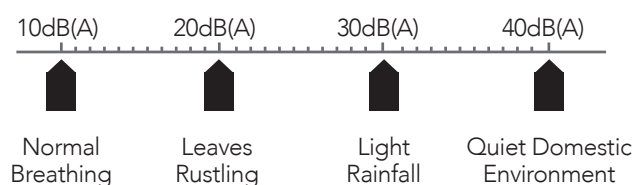
HIGH ENERGY EFFICIENCY AND LARGE RUNNING RANGE

Aqua Full Inverter Pool Heat Pumps can reach a COP as high as 12.5 at the ambient condition (Air 26°C/Humidity 80%) and keep a high EER at 53°C ambient temperature.



24DB(A) LOW NOISE AT 10M DISTANCE

The Aqua Full Inverter Pool Heat Pump is specially designed with a silence mode to create a comfortable living environment for users at night. Under silence mode, the heat pump is running at 24dB(A) low noise, equivalent to a whisper.





TOP DISCHARGE

Models

MODEL	INTOP-3016	INTOP-3021	INTOP-3024	INTOP-3024S	INTOP-3028S
PERFORMANCE CONDITION	A27 / W26 C°				
Heating Output (kW)	5.11-16.00	6.2-21.1	6.72-23.7	6.72-23.7	6.72-28
Power Input (kW)	0.32-2.43	0.45-3.2	0.46-3.65	0.46-3.65	0.46-4.5
COP	15.97-6.58	13.7-6.6	14.61-6.49	14.61-6.49	14.61-6.22
PERFORMANCE CONDITION	A15 / W26 C°				
Heating Output (kW)	3.72-12.00	4.8-16.9	4.8-17.3	4.8-17.3	4.8-20.5
Power Input (kW)	0.52-2.40	0.68-3.1	0.63-3.83	0.63-3.83	0.63-4.4
COP	7.15-5.00	7.06-5.45	7.6-4.52	7.60-4.52	7.6-4.66
PERFORMANCE CONDITION	A45 / W40 C°				
Cooling Output (kW)	3.6-6.4	2.8-11.9	2.7-10.8	2.8-12.0	2.9-13.2
Power Input (kW)	0.90-2.10	0.7-4.5	0.69-3.40	0.71-3.80	0.73-5.5
EER	4.00-3.05	4.0-2.64	3.91-3.18	3.94-3.16	3.96-2.4
PERFORMANCE CONDITION	A35 / W30 C°				
Cooling Output (kW)	4.00-9.00	3.3-14.0	3.3-14.0	3.5-16.2	3.5-16.5
Power Input (kW)	0.80-3.00	0.55-4.0	0.55-4.00	0.60-5.00	0.6-5.3
EER	5.00-3.00	6.0-3.5	6.0-3.50	5.8-3.24	5.8-3.11
Power Supply (V/Hz/Ph)	220-240/1/50/60	220-240/1/50	220-240/1/50	380-415/3/50/60	380-415/3/50/60
Rated power Input (kW)	3.5	4.6	4.7	5.1	5.7
Rated current (A)	15	20	20	9	10
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Fan type	DC	DC	DC	DC	DC
Fan Quantity	1	1	1	1	1
Fan Air flow (m3/ h)	2400	3500	4000	4000	5000
Throttling device	EEV	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	53/46/42/36	53/46/42/36	54/47/43/37	54/47/43/37	54/47/43/38
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger				
Water Pressure Drop (kPa)	15	16	18	18	20
Water Connection (mm)	50	50	50	50	50
Nominal Water Flow (m3/h)	5.2	6.8	7.7	7.7	9.0
Operating temperature range-Heating (°C)	-15~43				
Operating temperature range-Cooling (°C)	5~53				
Leaving water temprature range-Heating (°C)	18~40				
Leaving water temprature range-Cooling (°C)	12~40				
Refrigerant Type	R410A				
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4	4.4
Unit size (mm)	670×670×930	715×715×980	715×715×980	715×715×980	860×860×1085
Packing size (mm)	730×730×1075	765×765×1135	765×765×1135	765×765×1135	920×920×1240
Unit Net weight (kg)	85	103	105	108	130
Unit Gross weight (kg)	98	12	123	126	152

TOP DISCHARGE

Models

MODEL	INTOP-3030S	INTOP-3035S	INTOP-3045S	INTOP-3055S	INTOP-3065S
PERFORMANCE CONDITION			A27 / W26 C°		
Heating Output (kW)	8.5-30.5	7.1-35.0	10.5-47.5	12.0-56.3	14.5-65.0
Power Input (kW)	0.59-4.70	0.62-6.73	0.78-7.80	0.90-9.20	1.10-10.80
COP	14.30-6.50	11.4-5.2	13.5-6.09	13.30-6.10	13.18-6.02
PERFORMANCE CONDITION			A15 / W26 C°		
Heating Output (kW)	6.4-23.8	6.4-27.5	7.85-36.5	9.2-42.0	12.1-50.0
Power Input (kW)	0.82-4.50	0.97-6.63	1.08-7.60	1.3-8.80	1.92-11.50
COP	7.80-5.29	6.6-4.15	7.27-4.80	7.08-4.77	6.30-4.35
PERFORMANCE CONDITION			A45 / W40 C°		
Cooling Output (kW)	4.7-14.0	4.7-15.0	5.6-24.0	6.3-26.0	9.2-30.5
Power Input (kW)	1.20-5.00	1.20-5.40	1.45-8.00	1.66-9.00	2.45-10.66
EER	3.92-2.80	3.92-2.78	3.86-3.00	3.80-2.89	3.76-2.86
PERFORMANCE CONDITION			A35 / W30 C°		
Cooling Output (kW)	5.8-18.9	5.8-19.6	7.05-33.0	8.6-35.0	13.0-39.0
Power Input (kW)	1.0-5.73	1.0-6.1	1.20-9.80	1.32-10.00	2.32-12.50
EER	5.75-3.30	5.75-3.21	5.88-3.37	6.52-3.50	5.60-3.12
Power Supply (V/Hz/Ph)	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60
Rated power Input (kW)	6.2	7.7	10.2	10.7	13.5
Rated current (A)	11	14	18	19	21
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Fan type	DC	DC	DC	DC	DC
Fan Quantity	1	1	1	1	1
Fan Air flow (m3/ h)	5500	6000	8000	10000	12000
Throttling device	EEV	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	55/48/44/39	56/49/45/40	59/53/49/43	62/55/52/46	62/55/52/46
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger				
Water Pressure Drop (kPa)	23	25	28	30	30
Water Connection (mm)	50	50	63	63	63
Nominal Water Flow (m3/h)	9.7	14.6	14.5	17.7	21.0
Operating temperature range-Heating (°C)	-15~43				
Operating temperature range-Cooling (°C)	5~53				
Leaving water temperature range-Heating (°C)	18~40				
Leaving water temperature range-Cooling (°C)	12~40				
Refrigerant Type	R410A				
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4	4.4
Unit size (mm)	860×860×1085	860×860×1085	950×950×1280	950×950×1280	950×950×1280
Packing size (mm)	860×860×1085	920×920×1240	1025×1025×1430	1025×1025×1430	1025×1025×1430
Unit Net weight (kg)	130	137	221	240	250
Unit Gross weight (kg)	152	159	241	270	280



TOP DISCHARGE

Models

MODEL	INTOP-3085S	INTOP-3110S	INTOP-3150S	INTOP-3220S	INTOP-3250S	INTOP-3350S
PERFORMANCE CONDITION	A27 / W26 C°					
Heating Output (kW)	21.0-85.0	24.2-110	37.8-160.0	48.5-220	57.5-250.0	94.5-350.0
Power Input (kW)	1.60-14.6	1.8-18.50	2.75-26.20	3.58-36.90	4.15-43.10	8.44-62.50
COP	13.13-5.82	13.44-6.16	13.75-6.11	13.55-6.10	13.86-5.80	11.20-5.60
PERFORMANCE CONDITION	A15 / W26 C°					
Heating Output (kW)	14.7-64.0	18.5-85.0	27.1-123.2	37.1-172	50.4-192.0	63.0-262.0
Power Input (kW)	1.85-14.6	2.6-17.50	3.67-26.20	5.1-35.30	6.90-42.40	8.34-61.80
COP	7.95-4.38	7.12-4.86	7.38-4.70	7.27-4.87	7.30-4.53	7.54-4.24
PERFORMANCE CONDITION	A45 / W40 C°					
Cooling Output (kW)	11.4-42.0	12.6-50.8	22.7-81.5	25.2-103.0	49.0-125.0	71.0-175.0
Power Input (kW)	3.00-15.00	3.32-16.80	5.85-26.40	6.72-34.30	13.39-44.64	20.35-63.60
EER	3.80-2.80	3.80-3.02	3.88-3.09	3.75-3.00	3.66-2.80	3.49-2.75
PERFORMANCE CONDITION	A35 / W30 C°					
Cooling Output (kW)	14.2-60.0	17.0-70.3	28.0-112.0	34.0-141	47.5-150.0	77.7-210.0
Power Input (kW)	2.35-17.2	2.65-20.00	4.34-31.50	5.3-40.00	10.0-42.90	17.84-61.50
EER	6.04-3.49	6.42-3.52	6.45-3.55	6.42-3.53	4.75-3.50	4.36-3.41
Power Supply (V/Hz/Ph)	380-415/3/50/60	380-415/3/50/60	380-415/3/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60
Rated power Input (kW)	18.5	21.4	32.0	43.4	60.0	72.0
Rated current (A)	33	38	57	78	108	132
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Fan type	DC	DC	DC	DC	DC	DC
Fan Quantity	1	1	2	2	1	1
Fan Air flow (m3/ h)	18000	24000	28000	48000	52000	64000
Throttling device	EEV	EEV	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	63/56/53/47	65/59/56/50	66/60/57/52	68/62/59/54	72/66/63/57	75/70/67/61
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger					
Water Pressure Drop (kPa)	30	30	30	34	35	35
Water Connection (mm)	63	90	110	110	110	160
Nominal Water Flow (m3/h)	27.4	35.4	48.3	70.9	80.5	112.7
Operating temperature range-Heating(°c)	-15~43					
Operating temperature range-Cooling(°c)	5~53					
Leaving water temprature range-Heating(°c)	18~40					
Leaving water temprature range-Cooling(°c)	12~40					
Refrigerant Type	R410A					
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4	4.4	4.4
Unit size (mm)	1650×820×1130	1100×1100×2300	2188×1240×2300	2188×1240×2300	2320×1240×2300	2200×2090×2300
Packing size (mm)	1725×895×1280	1140×1140×2470	2225×1275×2470	2225×1275×2470	2370×1275×2470	2250×2150×2470
Unit Net weight (kg)	300	480	820	920	1100	1930
Unit Gross weight (kg)	330	510	860	960	1150	1990

FRONT DISCHARGE

Models

MODEL	INVFRONT-3007	INVFRONT-3009	INVFRONT-3011	INVFRONT-3016	INVFRONT-3018
PERFORMANCE CONDITION			A27 / W26 C°		
Heating Output (kW)	2.50~7.80	2.8~9.2	3.49~11.20	5.82~16.1	5.90~18.5
Power Input (kW)	0.17~1.16	0.20~1.38	0.31~1.71	0.50~2.43	0.50~2.78
COP	14.70~6.72	14.00~6.67	11.26~6.55	11.64~6.63	11.8~6.65
PERFORMANCE CONDITION			A15 / W26 C°		
Heating Output (kW)	1.81~6.05	1.9~6.9	2.58~8.90	4.00~12.4	4.05~14.1
Power Input (kW)	0.20~1.09	0.21~1.33	0.30~1.69	0.48~2.41	0.49~2.75
COP	9.05~5.55	9.05~5.19	8.6~5.27	8.33~5.15	8.27~5.13
PERFORMANCE CONDITION			A45 / W40 C°		
Cooling Output (kW)	1.21~3.5	1.4~4.1	1.55~4.6	2.5~6.6	2.5~6.6
Power Input (kW)	0.40~1.25	0.40~1.30	0.51~1.55	0.80~2.30	0.80~2.30
EER	3.00~2.80	3.50~3.15	3.04~2.97	3.13~2.87	3.13~2.87
PERFORMANCE CONDITION			A35 / W30 C°		
Cooling Output (kW)	1.35~5.03	1.5~6.4	1.6~6.5	2.8~9.3	2.8~9.3
Power Input (kW)	0.36~1.65	0.34~1.68	0.45~2.2	0.65~3.1	0.65~3.1
EER	3.75~3.05	4.41~3.81	3.56~2.94	4.31~3.00	4.31~3.00
Power Supply (V/Hz/Ph)	220-240//1/50/60	220-240//1/50/60	220-240//1/50/60	220-240//1/50/60	220-240//1/50/60
Rated power Input (kW)	1.7	2.0	2.3	3.2	3.3
Rated current (A)	8	9	11	15	15
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Fan type	DC	DC	DC	DC	DC
Fan Quantity	1	1	1	1	1
Fan Air flow (m3/ h)	1800	18000	1800	2400	2400
Throttling device	EEV	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	45/37/33/28	46/38/34/29	46/38/34/29	50/43/39/33	50/43/39/33
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger				
Water Pressure Drop (kPa)	6	6	7	9	11
Water Connection (mm)	50	50	50	50	50
Nominal Water Flow (m3/h)	2.4	3.0	3.5	5.2	5.8
Operating temperature range-Heating (°c)	-15~43				
Operating temperature range-Cooling (°c)	5~43				
Leaving water temprature range-Heating (°c)	18~40				
Leaving water temprature range-Cooling (°c)	12~40				
Refrigerant Type	R410A				
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4	4.4
Unit size (mm)	900×340×623	900×340×623	900×340×623	1020×440×673	1020×440×673
Packing size (mm)	960×400×786	960×400×786	960×400×786	1080×500×836	1080×500×836
Unit Net weight (kg)	38	39	40	60	70
Unit Gross weight (kg)	53	54	55	960	88



FRONT DISCHARGE

Models

MODEL	INVFRONT-3021	INVFRONT-3026	INVFRONT-3030S	INVFRONT-3035S	INVFRONT-3065S
PERFORMANCE CONDITION	A27 / W26 C°				
Heating Output (kW)	8.15~21.2	8.3~26.0	6.6~30.00	7.7~35.0	14.2~60.0
Power Input (kW)	0.74~2.83	0.75~4.20	0.44~4.45	0.52~5.3	1.03~9.8
COP	11.01~7.51	11.07~6.19	15.00~6.74	14.53~6.60	13.79~6.12
PERFORMANCE CONDITION	A15 / W26 C°				
Heating Output (kW)	5.96~17.0	6.06~20.2	5.3~23.0	6.0~26.0	10.1~46.0
Power Input (kW)	0.72~2.96	0.73~4.05	0.63~4.70	0.74~5.50	1.4~9.6
COP	8.28~5.73	8.30~4.99	8.41~4.89	8.11~4.73	7.21~4.79
PERFORMANCE CONDITION	A45 / W40 C°				
Cooling Output (kW)	2.70~10.6	2.70~10.6	4.7~14.0	4.7~15.0	8.4~28.0
Power Input (kW)	0.69~3.40	0.69~3.40	1.20~5.00	1.2~5.40	2.2~9.9
EER	3.91~3.12	3.91~3.12	3.92~2.80	3.92~2.78	3.82~2.83
PERFORMANCE CONDITION	A35 / W30 C°				
Cooling Output (kW)	3.3~14.0	3.3~14.0	5.8~19.0	5.8~20.0	10.0~42.0
Power Input (kW)	0.55~4.0	0.55~4.0	1.0~5.7	1.0~6.1	1.54~12.0
EER	6.0~3.5	6.0~3.50	5.75~3.33	5.75~3.28	6.50~3.50
Power Supply (V/Hz/Ph)	220-240//1/50/60	220-240//1/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/60
Rated power Input (kW)	4.6	4.6	6.2	7.7	12.0
Rated current (A)	21	21	11	14	21
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Fan type	DC	DC	DC	DC	DC
Fan Quantity	1	1	1	2	1
Fan Air flow (m3/ h)	3500	4000	5500	6000	12000
Throttling device	EEV	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	53/46/42/36	54/47/43/37	55/48/44/38	56/49/45/39	63/56/53/47
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger				
Water Pressure Drop (kPa)	13	16	23	25	30
Water Connection (mm)	50	50	50	50	63
Nominal Water Flow (m3/h)	6.8	8.1	9.7	11.3	19.3
Operating temperature range-Heating (°c)	-15~43				
Operating temperature range-Cooling (°c)	5~43				
Leaving water temprature range-Heating (°c)	18~40				
Leaving water temprature range-Cooling (°c)	12~40				
Refrigerant Type	R410A				
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4	4.4
Unit size (mm)	1100×440×877	1100×440×877	1100×470×980	1100×470×980	1455×755×1705
Packing size (mm)	1160x500x1040	1160x500x1040	1160x530x1140	1160x530x1140	1505×805×1855
Unit Net weight (kg)	95	104	120	120	330
Unit Gross weight (kg)	115	124	140	140	365

FRONT DISCHARGE

Models

MODEL	INVFRONT-3100S	INVFRONT-3150S	INVFRONT-3220S	INVFRONT-3250S
PERFORMANCE CONDITION		A27 / W26 C°		
Heating Output (kW)	24.2-110.0	37.8-160.0	48.5-220.0	57.5-250.0
Power Input (kW)	1.8-18.5	2.75-26.2	3.58-36.9	4.20-43.50
COP	13.44-6.16	13.75-6.11	13.55-6.10	13.69-5.75
PERFORMANCE CONDITION		A15 / W26 C°		
Heating Output (kW)	18.5-85.0	27.1-123.2	37.1-172	50.0-188.0
Power Input (kW)	2.6-17.5	3.67-26.2	5.1-35.3	6.85-42.20
COP	7.12-4.86	7.38-4.70	7.27-4.87	7.30-4.45
PERFORMANCE CONDITION		A45 / W40 C°		
Cooling Output (kW)	12.6-50.8	22.7-81.5	25.2-103.0	48.5-125.0
Power Input (kW)	3.32-16.8	5.85-26.3	6.72-34.3	13.40-44.50
EER	3.80-3.02	3.88-3.10	3.75-3.00	3.62-2.81
PERFORMANCE CONDITION		A35 / W30 C°		
Cooling Output (kW)	17.0-70.3	28.0-112.0	34.0-141.0	48.0-175.0
Power Input (kW)	2.65-20.0	4.34-31.5	5.3-40.0	10.10-50.00
EER	6.42-3.52	6.45-3.55	6.42-3.53	4.80-3.50
Power Supply (V/Hz/Ph)	380-415/3/60	380-415/3/60	380-415/3/60	380-415/3/50/60
Rated power Input (kW)	21.4	32.0	43.4	60.0
Rated current (A)	38	57	78	108
Compressor Type	Scroll	Scroll	Scroll	Scroll
Fan type	DC	DC	DC	DC
Fan Quantity	1	1	1	2
Fan Air flow (m3/ h)	24000	28000	48000	52000
Throttling device	EEV	EEV	EEV	EEV
Sound pressure level 1/3/5/10 (dB(A))	65/59/56/50	66/60/57/52	68/62/59/54	72/66/63/57
Water Side Heat Exchanger Type	Twisted Titanium Heat Exchanger			
Water Pressure Drop (kPa)	30	30	34	35
Water Connection (mm)	90	110	110	110
Nominal Water Flow (m3/h)	35.4	48.3	70.9	80.5
Operating temperature range-Heating (°c)	-15~43			
Operating temperature range-Cooling (°c)	5~43			
Leaving water temprature range-Heating (°c)	18~40			
Leaving water temprature range-Cooling (°c)	12~40			
Refrigerant Type	R410A			
Operation Pressure Low Side (Mpa)	2.1	2.1	2.1	2.1
Operation Pressure High Side (Mpa)	4.4	4.4	4.4	4.4
Unit size (mm)	2188×755×1705	2188×755×1705	2188×1240×2340	2450×1575×2300
Packing size (mm)	2238×805×1855	2238×805×1855	2275×1325×2530	2490×1610×2470
Unit Net weight (kg)	480	730	950	1000
Unit Gross weight (kg)	520	780	990	1050



02 | AIR TO WATER HEATING / COOLING PUMP

✓ Technical features

Heat pumps can be used for heating or cooling swimming pools, spas or other open water systems. The water system pressure should be less than 3 bar. (Cannot be used for closed water systems such as air conditioning, ground source heating and so on.)

PRODUCT FEATURES



High Efficiency

Our heat pumps are highly efficient, taking the energy from the ambient air and transferring that heat to the pool. The heat pump can reach a COP of 5.5.



Safety

Water and electricity are completely separate. ECO friendly gas, no fire, no electricity leakage, safer than fuel burner or electrical heater.



Environmentally Friendly

Choose R407C, R410-A as refrigerant, according to the requirements of EU Montreal Protocol.



Corrosion Prevention

The condenser uses titanium metal which is 4 to 5 times more corrosion resistant than ordinary copper tubes and is significantly more effective for the prevention of fluoride leakages. Liquids containing seawater or mild industrial water can pass through these systems without any problems.



Intelligent Defrosting

By means of both mechanical and automatic control, defrosting can be operated over a shorter time to avoid severe attenuation of heating capacity in winter and when not in use.



Antifreezing Control

The unit starts up automatic antifreezing control when shutdown (no power off), using of antifreezing heat exchanger, 10 freezing tests, no leakage..



Various protective measures

- Phase sequence and Lack of Phase protection
- Self memory function when power off
- Overpressure protection
- Low-pressure protection for compressor safety
- Water protection for unit
- Overcurrent protection
- Over-temperature protection



Advanced control system

- Displays operating and fault status
- Real-time monitoring of operating parameters
- Controller-to-unit cable length up to 30 m (optional)
- Compressor load balancing operation
- Automatic capacity adjustment based on inlet water temperature
- BMS compatibility for integration and remote control
- Supports multi-unit modular operation



Compressor

AQUA uses world famous brand compressor such as Copeland, GMCC, Panasonic and Sanyo to ensure the highest quality of machine.

HOW DOES THE UNIT WORK?

...AS A CHILLER

1- STAGE ONE

The temperature of the hot gaseous refrigerant discharged from the compressor is much higher than the outside ambient air temperature. When the outside air passes across the condenser coil, the gaseous refrigerant transfers its heat to the air and condenses into liquid.

2- STAGE TWO

The liquid refrigerant passes through the capillary tube, reducing its pressure and temperature.

3- STAGE THREE

The low temperature refrigerant passes to the heat exchanger evaporator, where the actual heat transfer takes place: the refrigerant absorbs heat from the water pumped into the heat exchanger and evaporates, whereby the water temperature is reduced.

4- STAGE FOUR

The gas refrigerant is then sucked to the compressor and compressed, increasing its pressure and temperature, ready to start the whole cycle once again.

...AS A HEAT PUMP

1- STAGE ONE

The gaseous refrigerant passes to the compressor and is compressed. When compressed, the pressure is increased and the temperature of the vapor rises, effectively concentrating the heat.

2- STAGE TWO

The hot gaseous refrigerant passes to the heat exchanger condenser, where the actual heat transfer takes place: the intensely hot gaseous refrigerant transfers its heat to the water pumped into the heat exchanger and condenses back into a liquid.

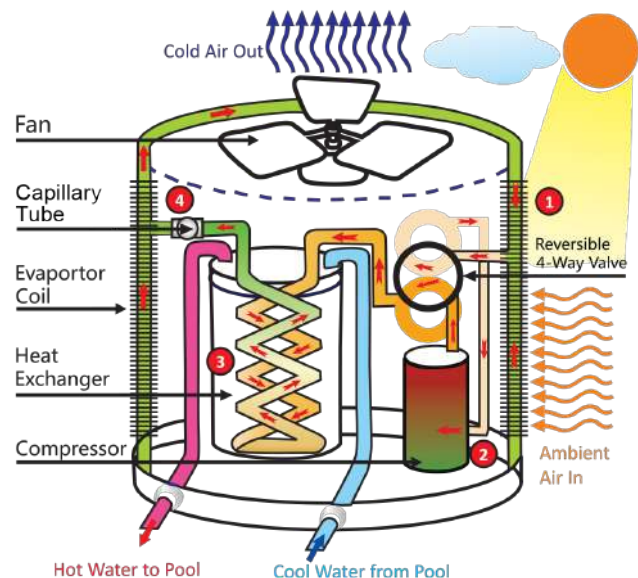
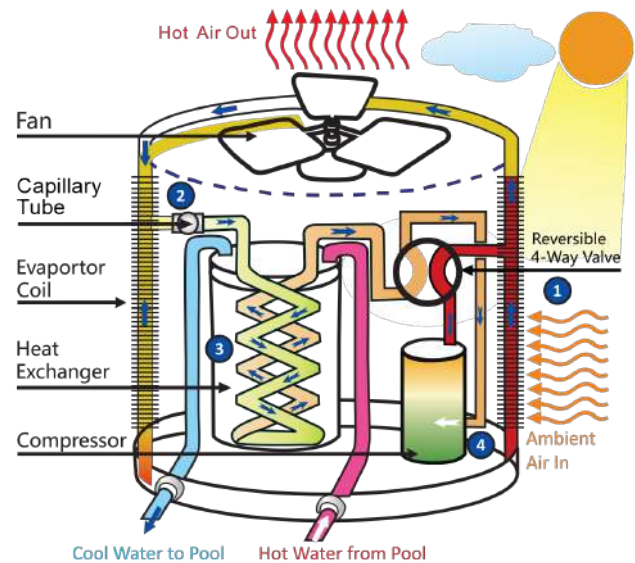
3- STAGE THREE

The liquid refrigerant then passes through a capillary tube, reducing its pressure and temperature. The heat transfer medium (the refrigerant) is colder than the outside air.

4- STAGE FOUR

As the outside air passes across the evaporator coil, the liquid refrigerant absorbs heat from the air and evaporates, ready to start the whole cycle once again.

CAPILLARY TUBE





TOP DISCHARGE

Models

			PH2-02620-R410A	PH2-02625-R410A	PH2-02630-R410A-1	PH2-02630-R410A-2	PH2-02640-R410A
Refrigerant			R410A	R410A	R410A	R410A	R410A
Power supply		V/PH/Hz	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	9.5	12	14.0	14.0	17.0
		BTU/h	32,414	40,944	47,768	47,768	58,004
	Power input	kW	1.7	2.2	2.5	2.5	3.1
	COP	W/W	5.56	5.43	5.5	5.5	5.4
YL-H02-Heating: A15/W26°C	Heating capacity	kW	8.1	10.2	11.9	11.9	14.5
		BTU/h	27,552	34,802	40,603	40,603	49,303
	Power input	kW	1.8	2.3	2.6	2.6	3.3
	COP	W/W	4.54	4.44	4.49	10.1	4.4
YL-C01-Cooling: A35/W30°C	Cooling capacity	kW	6.8	8.6	10.1	34,393	12.2
		BTU/h	23,338	29,480	34,393	3.5	41,763
	Power input	kW	2.2	2.9	3.5	2.9	4.4
	EER	W/W	3.10	3.0	2.9	3.80	2.8
YL-C02-Cooling: A46/W30	Cooling capacity	kW	5.8	7.3	8.6	8.6	10.4
		BTU/h	19,837	25,058	29,234	29,234	35,498
	Power input	kW	2.4	3.2	3.8	3.8	4.8
	EER	W/W	2.39	2.31	2.2	2.2	2.16
MAX.POWER INPUT		kW	2.7	3.6	4.3	4.3	5.4
MAX.CURRENT		A	13	17	21	8	10
OPERATING	Heating water temp range	°C	15~40	15~40	15~40	15~40	15~40
	Cooling water temp range	°C	10~30	10~30	10~30	10~30	10~30
	Ambient temp range	°C	2~53	2 ~ 53	2 ~ 53	2 ~ 53	2~53
KEY	Compressor type		Rotary	Rotary	Scroll	Scroll	Scroll
	Controller		micro processor based digital controller with LCD touch screen display				
	Sound pressure 1/5/10m	dB(A)	53/42/36	54/43/37	55/44/38	55/44/38	56/45/39
HEATING EXCHANGER	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
	Water flow (min.)	m³/h	1.5	1.9	2.3	2.3	2.7
	Water flow (max)	m³/h	4.7	6.0	7.0	7.0	8.5
	Water pressure drop (max)	KPa	8	10	11	11	12
	Water connecton	mm	threaded / 50	threaded / 50	threaded / 50	threaded / 50	threaded / 50
FAN	Fan Position		Verticle	Verticle	Verticle	Verticle	Verticle
	Air flow	m³/h	2000	2000	3500	3500	3500
DIMENSIONS (L x W x H)	Net	mm	670×670×930	670×670×930	715×715×980	715×715×980	715×715×980
	Shipping	mm	730×730×1075	730×730×1075	765×765×1135	765×765×1135	765×765×1135
Net weight / Gross weight		kg	98/106	98/106	118/130	105/121	111/127

TOP DISCHARGE

 Models

PH2-02650-R410A	PH2-02660-R410A	PH2-02670-R410A	PH2-02680-R410A	PH2-02685-R410A	PH2-02690-R410A	PH2-02695-R410A	PH2-02710-R410A
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
21.0	25.0	31.0	35.0	40.0	45.0	55.0	40.0
71,652	85,300	105,772	119,420	136,480	153,540	187,660	136,480
3.9	4.8	5.7	6.6	7.3	8.4	10.5	7.3
5.32	5.2	5.4	5.27	5.5	5.4	5.2	5.5
17.9	21.3	26.4	29.8	34.0	38.3	46.8	34.0
60,904	72,505	89,906	101,507	116,008	130,509	159,511	116,008
4.1	5.0	6.0	6.9	7.6	8.7	10.9	7.6
4.3	4.2	4.4	4.3	4.5	4.38	4.27	4.49
15.1	18.0	22.3	25.2	28.8	32.4	39.6	28.8
51,589	61,416	76,156	85,982	98,266	110,549	135,115	98,266
5.0	6.0	7.3	8.4	9.3	10.8	13.7	9.3
3.0	3.0	3.05	3.0	3.1	3.0	2.9	3.1
12.9	15.3	19.0	21.4	24.5	27.5	33.7	24.5
43,851	52,204	64,732	73,085	83,526	93,966	114,848	83,526
5.6	6.6	8.1	9.3	10.3	11.9	15.1	10.3
2.3	2.3	2.3	2.3	2.4	2.3	2.2	2.39
6.2	7.4	9.0	10.4	11.5	13.4	16.9	11.5
11	13	16	19	21	24	30	21
15~40	15~40	15~40	15~40	15~40	15~40	15~40	15~40
10~30	10~30	10~30	10~30	10~30	10~30	10~30	10~30
2~53	2~53	2~53	2~53	2~53	2~53	2~53	2~53
Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
micro processor based digital controller with LCD touch screen display							
57/46/40	57/46/40	59/48/43	60/49/43	61/51/45	63/53/47	65/55/49	61/50/45
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
3.4	4.0	5.0	5.6	6.4	7.2	8.9	6.4
10.5	12.5	15.5	17.5	20.0	22.5	27.5	20.0
13	15	20	22	22	23	25	22
threaded / 50	threaded / 50	threaded / 50	threaded / 50	threaded / 63	threaded / 63	threaded / 63	threaded / 63
Verticle	Verticle	Verticle	Verticle	Verticle	Verticle	Verticle	Verticle
5500	5500	6500	7500	9000	10000	13000	9000
715×715×980	715×715×980	860×860×1085	860×860×1085	950×950×1280	950×950×1280	950×950×1280	1453×708×1084
765×765×1135	765×765×1135	920×920×1240	920×920×1240	1025×1025×1430	1025×1025×1430	1025×1025×1430	1510×775×1225
125/140	128/142	202/220	208/226	210/230	214/234	218/238	254/280



TOP DISCHARGE

 Models

			PH2-02712-R410A	PH2-02713-R410A	PH2-02714-R410A	PH2-02715-R410A	PH2-02720-R410A
Refrigerant			R410A	R410A	R410A	R410A	R410A
Power supply		V/PH/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	45.0	55.0	65.0	82	100.0
		BTU/h	153,540	187,660	221,780	279,784	341,200
	Power input	kW	8.4	10.6	11.8	15.2	19.0
	COP	W/W	5.3	5.2	5.50	5.4	5.25
YL-H02-Heating: A15/W26°C	Heating capacity	kW	38.3	46.8	55.3	69.7	85.0
		BTU/h	130,509	159,511	188,513	237,816	290,020
	Power input	kW	8.8	11.0	12.3	15.8	19.8
	COP	W/W	4.4	4.2	4.5	4.4	4.3
YL-C01-Cooling: A35/W30°C	Cooling capacity	kW	32.4	39.6	46.8	59.0	72.0
		BTU/h	110,549	135,115	159,682	201,444	245,664
	Power input	kW	10.8	13.7	14.9	19.8	24.8
	EER	W/W	3.0	2.9	3.15	3.0	2.9
YL-C02-Cooling: A46/W30	Cooling capacity	kW	27.5	33.7	39.8	50.2	61.2
		BTU/h	93,966	114,848	135,729	171,228	208,814
	Power input	kW	11.9	15.1	16.4	21.9	27.4
	EER	W/W	2.3	2.2	2.4	2.3	2.2
MAX.POWER INPUT		kW	13.4	16.9	18.4	24.5	32.3
MAX.CURRENT		A	24	30	33	44	58
OPERATING	Heating water temp range	°C	15~40	15~40	15~40	15~40	15~40
	Cooling water temp range	°C	10~30	10~30	10~30	10~30	10~30
	Ambient temp range	°C	2~53	2~53	2~53	2~53	2~53
KEY	Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll
	Controller		micro processor based digital controller with LCD touch screen display				
	Sound pressure 1/5/10m	dB(A)	63/53/47	65/55/49	66/56/51	67/57/52	68/58/53
HEATING EXCHANGER	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
	Water flow (min.)	m³/h	7.2	8.9	10.5	13.2	16.1
	Water flow (max)	m³/h	22.5	27.5	32.5	40.9	49.9
	Water pressure drop (max)	KPa	23	25	26	27	27
	Water connecton	mm	threaded / 63	threaded / 63	threaded / 63	threaded / 63	flange/90
FAN	Fan Position		Verticle	Verticle	Verticle	Verticle	Verticle
	Air flow	m³/h	10000	13000	15000	18000	22000
DIMENSIONS (L x W x H)	Net	mm	1453×708×1084	1453×708×1084	1890×1000×1328	1890×1000×1328	1890×1000×1328
	Shipping	mm	1510×775×1225	1510×775×1225	1965×1075×1490	1965×1075×1490	1965×1075×1490
Net weight / Gross weight	-	kg	259/285	285/310	356/384	404/458	489/517

TOP DISCHARGE

 Models

PH2-02730-R410A	PH2-02740-R410A	PH2-02750-R410A	PH2-02760-R410A	PH2-02765-R410A	PH2-02770-R410A	PH2-02780-R410A
R410A	R410A	R410A	R410A	R410A	R410A	R410A
380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
135.0	160.0	180.0	220.0	235.0	250.0	350.0
460,620	545,920	614,160	750,640	801,820	853,000	1,194,200
24.5	29.5	33.6	41.5	45.1	48.4	68.2
5.5	5.4	5.4	5.3	5.2	5.2	5.1
114.8	136.0	153.0	187.0	199.8	212.5	297.5
391,527	464,032	522,036	638,044	681,547	725,050	1,015,070
25.5	30.6	34.9	43.2	46.9	50.4	71.0
4.5	4.4	4.4	4.3	4.3	4.2	4.2
97.2	115.2	129.6	158.4	169.2	180.0	252.0
331,646	393,062	442,195	540,461	577,310	614,160	859,824
30.4	36.0	41.8	52.8	56.4	63.2	85.1
3.2	3.2	3.1	3.0	3.0	2.9	3.0
82.6	97.9	110.2	134.6	143.8	153.0	214.2
281,899	334,103	375,866	459,392	490,714	522,036	730,850
33.5	39.7	46.1	58.3	62.3	69.7	94.0
2.5	2.5	2.4	2.3	2.3	2.2	2.3
39.6	48.4	51.7	65.3	69.7	78.1	105.3
71	83	92	117	125	139	188
15~40	15~40	15~40	15~40	15~40	15~40	15~40
10~30	10~30	10~30	10~30	10~30	10~30	10~30
2~53	2~53	2~53	2~53	2~53	2~53	2~53
Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
micro processor based digital controller with LCD touch screen display						
69/60/55	70/61/56	72/63/58	73/64/59	73/64/59	75/66/61	77/68/63
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
21.7	25.8	29.0	35.4	37.8	40.3	56.4
67.4	79.9	89.9	109.8	117.3	124.8	174.7
28	28	29	30	33	34	35
flange/110	flange/110	flange/110	flange/110	flange/110	flange/160	flange/160
Verticle	Verticle	Verticle	Verticle	Verticle	Verticle	Verticle
28000	33000	39000	44000	44000	55000	77000
2188×1240×2340	2188×1240×2340	2188×1240×2340	2188×1240×2340	2320×1240×2340	2410×1280×2340	3200×2188×2340
2275×1325×2530	2275×1325×2530	2275×1325×2530	2275×1325×2530	2405×1325×2530	2500×1415×2530	3250×2238×2530
1100/1130	1150/1180	1180/1210	1200/1230	1250/1280	1350/1390	2030/2100



TOP DISCHARGE

Models

			PHFD2-02610-R410A	PHFD2-02615-R410A	PHFD2-02620-R410A	PHFD2-02625-R410A	PHFD2-02630-R410A-1
Refrigerant			R410A	R410A	R410A	R410A	R410A
Power supply		V/PH/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	5.0	7.3	9.8	12.0	14.0
		BTU/h	17,060	24,908	33,438	40,944	47,768
	Power input	kW	0.9	1.4	1.8	2.3	2.7
	COP	W/W	5.50	5.40	5.33	5.30	5.25
YL-H02-Heating: A15/W26°C	Heating capacity	kW	4.3	6.2	8.3	10.2	11.9
		BTU/h	14,672	21,171	28,422	34,802	40,603
	Power input	kW	0.9	1.4	1.9	2.3	2.7
	COP	W/W	4.59	4.50	4.45	4.42	4.38
YL-C01-Cooling: A35/W30°C	Cooling capacity	kW	4.0	5.3	7.1	8.6	10.1
		BTU/h	13,648	17,933	24,075	29,480	34,393
	Power input	kW	1.3	1.6	2.3	3.0	3.3
	EER	W/W	3.2	3.20	3.02	2.90	3.10
YL-C02-Cooling: A46/W30	Cooling capacity	kW	3.1	4.5	6.0	7.3	8.6
		BTU/h	10,577	15,243	20,464	25,058	29,234
	Power input	kW	1.3	1.8	2.6	3.3	3.6
	EER	W/W	2.46	2.46	2.33	2.23	2.39
MAX.POWER INPUT		kW	1.6	2.2	2.9	3.6	4.3
MAX.CURRENT		A	7	11	15	19	21
OPERATING	Heating water temp range	°C	15~40	15~40	15~40	15~40	15~40
	Cooling water temp range	°C	10~30	10~30	10~30	10~30	10~30
	Ambient temp range	°C	2~53	2~53	2~53	2~53	2~53
KEY	Compressor type		Rotary	Rotary	Rotary	Rotary	Scroll
	Controller		micro processor based digital controller with LCD touch screen display				
	Sound pressure 1/5/10m	dB(A)	50/38/33	52/40/35	53/41/36	54/42/37	55/44/38
HEATING EXCHANGER	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
	Water flow (min.)	m³/h	0.8	1.2	1.6	1.9	2.3
	Water flow (max)	m³/h	2.5	3.6	4.9	6.0	7.0
	Water pressure drop (max)	KPa	4	6	8	6	7
	Water connecton	mm	threaded /50	threaded /50	threaded /50	threaded /50	threaded /50
FAN	Fan Position		horizontal	horizontal	horizontal	horizontal	horizontal
	Air flow	m³/h	1200	2000	2000	2000	3000
DIMENSIONS (L x W x H)	Net	mm	900×340×623	900×340×623	900×340×623	900×340×623	1100×440×673
	Shipping	mm	960×400×773	960×400×773	960×400×773	960×400×773	1157×497×823
Net weight / Gross weight		kg	48/55	60/71	60/71	62/73	102/109

TOP DISCHARGE

Models

PHFD2-02630- R410A-2	PHFD2-02640- R410A	PHFD2-02650- R410A	PHFD2-02660- R410A	PHFD2-02670- R410A	PHFD2-02680- R410A
R410A	R410A	R410A	R410A	R410A	R410A
380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
14.0	17.0	21.0	25.0	31.0	36.0
47,768	58,004	71,652	85,300	105,772	122,832
2.7	3.3	4.0	4.8	5.8	6.7
5.25	5.20	5.30	5.25	5.30	5.39
11.9	14.5	17.9	21.3	26.4	30.2
40,603	49,303	60,904	72,505	89,906	103,042
2.7	3.3	4.0	4.8	6.1	6.8
4.34	4.34	4.46	4.39	4.32	4.45
10.1	12.2	15.1	18.0	22.3	25.3
34,393	41,763	51,589	61,416	76,156	86,324
3.3	4.1	5.2	5.6	7.1	8.4
3.10	3.00	2.90	3.20	3.14	3.02
8.6	10.4	12.9	15.3	19.0	21.4
29,234	35,498	43,851	52,204	64,732	73,017
3.6	4.5	5.8	6.2	7.8	9.2
2.39	2.31	2.23	2.46	2.42	2.32
4.3	5.4	6.5	7.5	9.0	11.5
8	10	12	13	16	20
15~40	15~40	15~40	15~40	15~40	15~40
10~30	10~30	10~30	10~30	10~30	10~30
2~53	2~53	2~53	2~53	2~53	2~53
Scroll	Scroll	Scroll	Scroll	Scroll	scroll
micro processor based digital controller with LCD touch screen display					
55/44/38	55/44/38	56/45/39	58/47/41	60/49/43	61/52/46
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
2.3	2.7	3.4	4.0	5.0	5.8
7.0	8.5	10.5	12.5	15.5	18.0
7	8	10	12	15	17
threaded /50	threaded /50	threaded /50	threaded /50	threaded /50	threaded /50
horizontal	horizontal	horizontal	horizontal	horizontal	horizontal
3000	3000	3500	5500	7000	7000
1100×440×673	1100×440×673	1100×440×873	1100×440×973	1100×440×1378	1150 x 468 x 1578
1157×497×823	1157×497×823	1157×497×1023	1157×497×1130	1157×497×1528	1157×497×1528
102/109	106/113	107/129	136/151	160/175	170/185



FRONT DISCHARGE

 Models

			PHFD2-02710-R410A	PHFD2-02712-R410A	PHFD2-02713-R410A	PHFD2-02714-R410A
Refrigerant			R410A	R410A	R410A	R410A
Power supply		V/PH/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	40.0	45.0	55.0	65.0
		BTU/h	136,480	153,540	187,660	221,780
	Power input	kW	7.7	8.7	10.4	12.3
	COP	W/W	5.20	5.20	5.27	5.30
YL-H02-Heating: A15/W26°C	Heating capacity	kW	34.0	38.3	46.8	55.3
		BTU/h	116,008	130,509	159,511	188,513
	Power input	kW	7.4	8.5	10.6	12.2
	COP	W/W	4.60	4.48	4.40	4.54
YL-H03-Cooling: A35/W26°C	Cooling capacity	kW	28.8	32.4	39.6	46.8
		BTU/h	98,266	110,549	135,115	159,682
	Power input	kW	9.3	10.7	13.2	14.6
	EER	W/W	3.11	3.02	3.00	3.20
YL-C01-Cooling: A46/W30°C	Cooling capacity	kW	24.5	27.5	33.7	39.8
		BTU/h	83,526	93,966	114,848	135,729
	Power input	kW	10.2	11.8	14.6	16.1
	EER	W/W	2.39	2.33	2.31	2.46
MAX.	Power input	kW	11.8	13.6	16.8	18.6
	Current	A	21	24	30	33
OPERATING	Water outlet temp.range	°C	15~40	15~40	15~40	15~40
	Ambient temp.range	°C	10~30	10~30	10~30	10~30
	Operating air temp.	°C	2~53	2~53	2~53	2~53
KEY	Compressor type		Scroll	Scroll	Scroll	Scroll
	Sound pressure 1/5/10m	dB(A)	63/53/48	63/53/48	65/55/50	66/57/51
HEAT EXCHANGER	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
	Water flow (min.)	m³/h	6.4	7.2	8.9	10.5
	Water flow (max.)	m³/h	20.0	22.5	27.5	32.5
	Water pressure drop(max)	KPa	20	22	25	26
	Water connection	mm	threaded /63	threaded /63	threaded /63	threaded /63
FAN	Position		horizontal	horizontal	horizontal	horizontal
	Air flow	m³/h	10000	10000	13000	15000
DIMENSIONS (L x W x H)	Net	mm	1455×755×1705	1455×755×1705	1455×755×1705	1655×755×1705
	Shipping	mm	1505×805×1855	1505×805×1855	1505×805×1855	1705×805×1855
WEIGHT	-	kg	333/368	345/380	350/385	445/485

FRONT DISCHARGE

 Models

PHFD2-02715-R410A	PHFD2-02720-R410A	PHFD2-02730-R410A	PHFD2-02740-R410A	PHFD2-02760-R410A
R410A	R410A	R410A	R410A	R410A
380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
82.0	105.0	135.0	158.0	220
279,784	358,260	460,620	539,096	750,640
15.7	20.5	26.5	30.7	40.0
5.23	5.12	5.10	5.15	5.50
69.7	89.3	114.8	134.3	187.0
237,816	304,521	391,527	458,232	638,044
15.7	20.5	26.8	31.5	43.7
4.44	4.35	4.29	4.27	4.27
59.0	75.6	97.2	113.8	158
201,444	257,947	331,646	388,149	540,461
19.0	25.1	33.2	39.9	52.8
3.10	3.01	2.93	2.85	3.00
50.2	64.3	82.6	96.7	134.6
171,228	219,255	281,899	329,927	459,392
21.0	27.7	36.6	44.1	58.3
2.39	2.32	2.26	2.19	2.31
24.2	33.5	47.5	48.8	65.3
45	56	85	87	117
15~40	15~40	15~40	15~40	15~40
10~30	10~30	10~30	10~30	10~30
2~53	2~53	2~53	2~53	2~53
Scroll	Scroll	Scroll	Scroll	Scroll
67/58/52	68/59/53	69/60/54	70/61/55	73/64/59
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
13.2	16.9	21.7	25.4	35.4
40.9	52.4	67.4	78.9	109.8
27	27	28	28	30
threaded /50	threaded /63	threaded /63	threaded /63	threaded /63
horizontal	horizontal	horizontal	horizontal	horizontal
18000	22000	28000	33000	44000
2188×1000×1705	2188×1000×1705	2500×1320×2340	2500×1320×2340	2190 x 1525x 2340
2238×1085×1855	2238×1085×1855	2585×1405×2530	2585×1405×2530	2985×1455×2530
480/515	536/576	727/781	775/829	1200/1230



03 | ELECRO NANO SPLASHER (ALL TITANIUM)

ELECRO
ENGINEERING

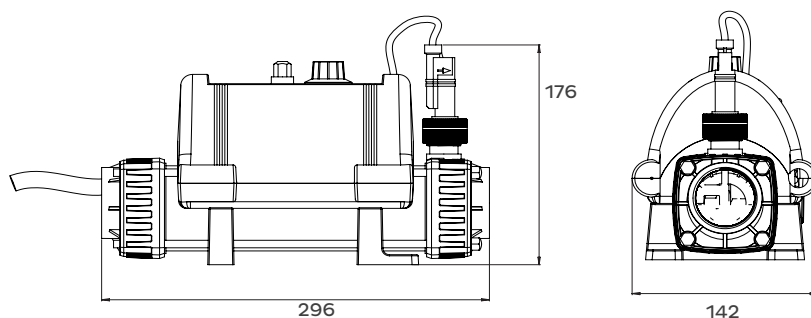
✓ Technical features

Specifically designed to ensure maximum safety, reliability and efficiency, the Nano Splasher fully titanium 'Plug & Play' heater is an ideal solution for soft and hard sided above-ground splasher pools.

- Available as 2-kW & 3-kW 'Plug & Play'
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Supplied with temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

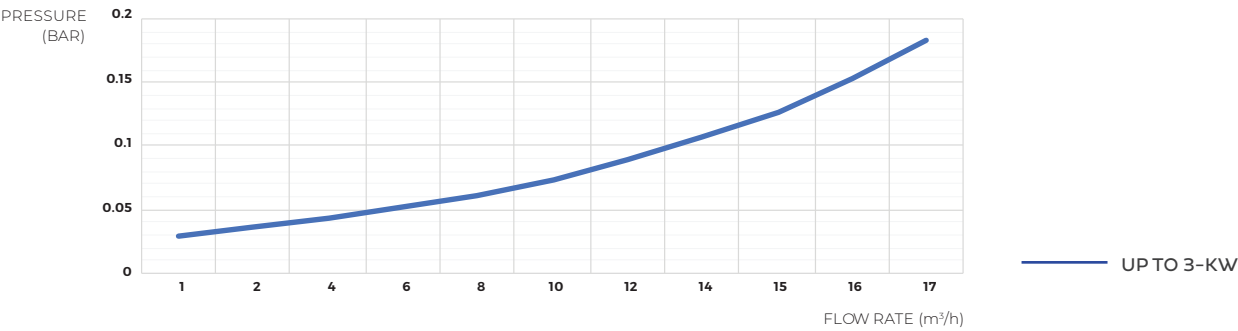
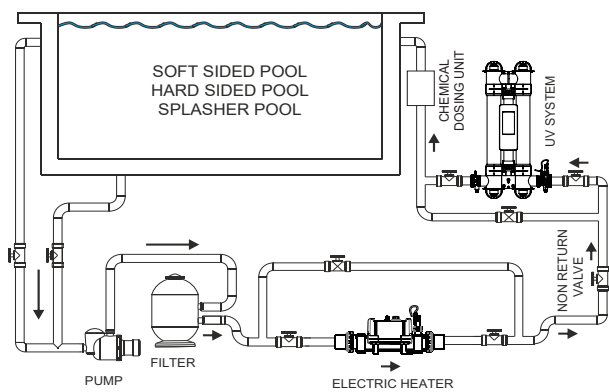


Dimensions



SPECIFICATIONS

POWER SUPPLY	220-240V single phase
FLOW REQUIREMENTS	Minimum flow: 1m³/h Maximum flow: 17m³/h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Analogue: 0 > 45°C (1.2°C differential)
SAFETY THERMAL CUT OUT	60°C (Manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
RELAY	Surface mount DPDT Finder 66.82.8.230.0000
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	1.5" BSP female thread supplied with 1½" / 50mm stepped ABS unions for rigid pipe and 1½" / 1¼" setpped hose tails for flexible pipe
INTERNATIONAL PROTECTION MARKING	IP 44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting



Models

CODE	POWER OUTPUT	CURRENT	LOAD	PACKING	WEIGHT	VOLUME
	kW		Amp		kg	m³
N-AGP-UK-T2	2	220~240V Single phase	9	1	22.5	0.125
N-AGP-UK-T	3		13	1	22.5	0.125



04 | ELECR0 EVOLUTION 2 ALL TITANIUM

ELECR0
ENGINEERING

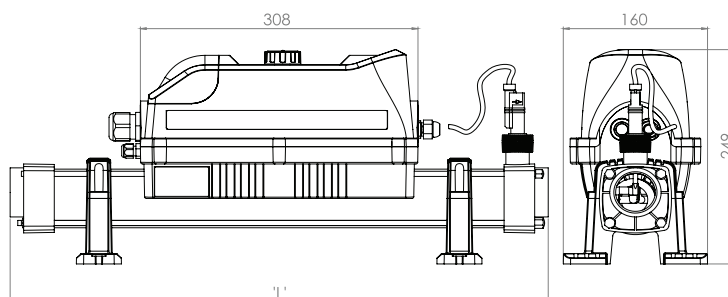
✓ Technical features

A fully titanium heater by Elecro, the Evolution 2, is the latest and upgraded version of the original Evolution. Boasting 100% efficiency, safety, and above all, reliability, this compact and robust unit will effortlessly heat your pool or spa to your desired temperature.

- Ten power options ranging from 1-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control with 0.5°C differential
- Multi-lingual display
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

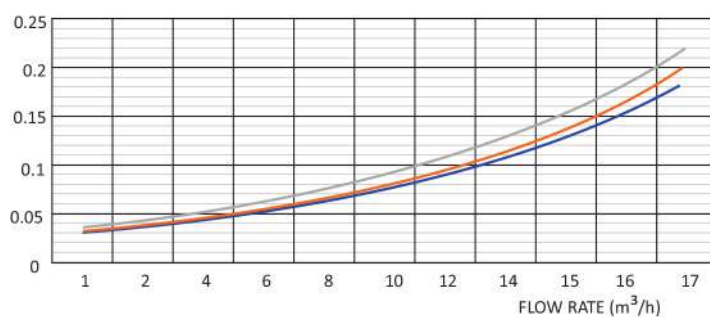
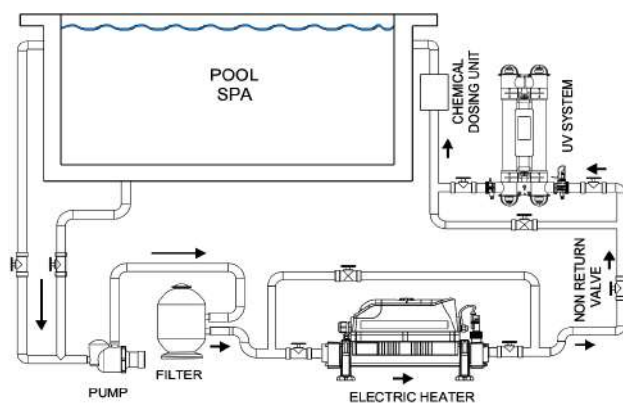


Dimensions



SPECIFICATIONS

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 2 kW to 6 kW, 1m³/h / Minimum flow: 9 kW to 24 kW, 4m³/h / Maximum flow: 17m³/h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Analogue: 0 > 45°C (1.2°C differential) Digital: 0 > 45°C (0.5°C differential)
SAFETY THERMAL CUT OUT	60°C (Manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
CONTACTOR	Siemens 3RT2023 or 3RT2027
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	1.5" BSP female thread supplied with 1½"/50mm stepped ABS unions for rigid pipe and 1½"/1¼" stepped hose tails for flexible pipe
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting



— UP TO 6-KW SINGLE PHASE

— 9 & 12-KW SINGLE PHASE

— 15 & 18-KW SINGLE PHASE
& ALL 3-PHASE

Models

CODE	POWER OUTPUT	CURRENT	LOAD	DIMENSIONS	PACKING	WEIGHT	VOLUME
	kW		Amp	L		kg	m³
E2-1-1	1	220~240V Single phase	6	462	1	5.5	0.059
E2-1-2	2		9	462	1	5.5	0.059
E2-1-3	3		13	462	1	5.5	0.059
E2-1-4	4.5		20	462	1	5.5	0.059
E2-1-6	6		27	462	1	5.5	0.059
E2-1-9	9		40	462	1	5.8	0.059
E2-1-12	12		53	462	1	5.8	0.059
E2-1-15	15		66	462	1	6.6	0.059
E2-1-18	18	230~400V Single/3 phase	79	462	1	6.6	0.059
E2-V-6	6		27/9	592	1	6.6	0.059
E2-V-9	9		40/13	592	1	6.6	0.059
E2-V-12	12	400V 3 phase	53/18	592	1	6.6	0.059
E2-3-15	15		22	592	1	6.6	0.059
E2-3-18	18		26	592	1	6.6	0.059
E2-3-24	24	220~240V Single phase	35	592	1	6.6	0.059
E2D-1-1	1		6	592	1	6.6	0.059
E2D-1-2	2		9	592	1	6.6	0.059
E2D-1-3	3		13	592	1	6.6	0.059
E2D-1-4	4.5		20	592	1	6.6	0.059
E2D-1-6	6		27	592	1	6.6	0.059
E2D-1-9	9		40	592	1	6.6	0.059
E2D-1-12	12		53	592	1	6.6	0.059
E2D-1-15	15	230~400V Single/3 phase	66	592	1	6.6	0.059
E2D-1-18	18		79	592	1	6.6	0.059
E2D-V-6	6		27/9	592	1	6.6	0.059
E2D-V-9	9	400V 3 phase	40/13	592	1	6.6	0.059
E2D-V-12	12		53/18	592	1	6.6	0.059
E2D-3-15	15		22	592	1	6.6	0.059
E2D-3-18	18	400V 3 phase	26	592	1	6.6	0.059
E2D-3-24	24		35	592	1	6.6	0.059

Note: for other voltages in the 3phase heaters please add -415 or -380 after the code



05 | OPTIMA COMPACT POOL HEATER

ELECO
ENGINEERING

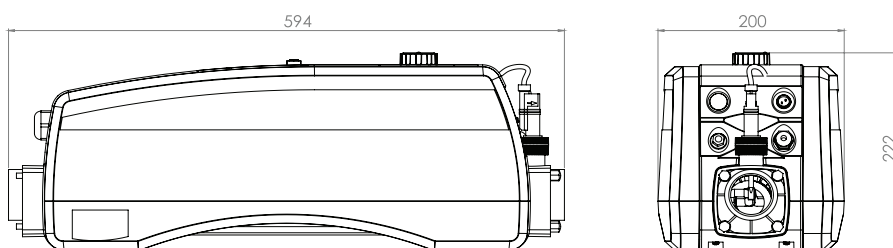
✓ Technical features

For the pool owner who demands the best – the Optima Compact delivers everything you need in a pool heater. Safety, reliability, efficiency and touchscreen digital programming for any modern lifestyle. A highly robust, durable construction, makes this a desirable solution for any residential pool or spa.

- Nine power options ranging from 2-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Fitted with temperature thermostat and overheating sensor
- Compact, durable design
- Touchscreen control with soft-start for power supply protection
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

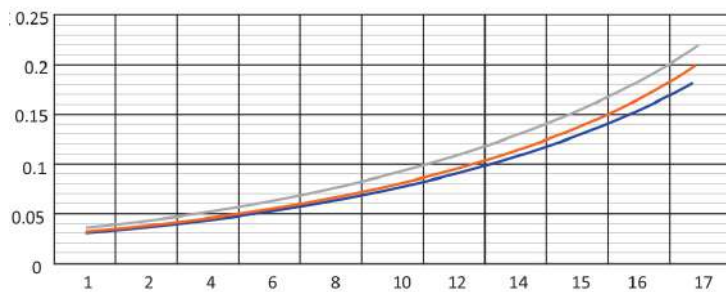
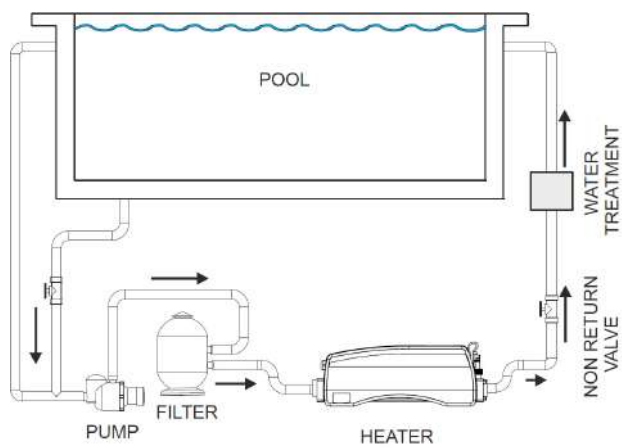


Dimensions



SPECIFICATIONS

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 2 kW to 6 kW, 1m³/h / Minimum flow: 9 kW to 24 kW, 4m³/h / Maximum flow: 17m³/h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Touch Screen 0 > 45°C (0.5°C differential)
SAFETY THERMAL CUT OUT	60°C (Manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
CONTACTOR	Siemens 3RT2023 or 3RT2027
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	1.5" BSP female thread supplied with 1½"/50mm stepped ABS unions for rigid pipe and 1½"/1¼" stepped hose tails for flexible pipe
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting



- UP TO 6-KW SINGLE PHASE
- 9 & 12-KW SINGLE PHASE
- 15 & 18-KW SINGLE PHASE & ALL 3-PHASE

Models

CODE	POWER OUTPUT	CURRENT	LOAD	PACKING	WEIGHT	VOLUME
	kW		Amp		kg	m³
OCPD-1-2	2	220~240V Single phase	9	1	8.8	0.059
OCPD-1-3	3		13	1	8.8	0.059
OCPD-1-4	4.5		20	1	8.8	0.059
OCPD-1-6	6		27	1	8.8	0.059
OCPD-1-9	9		40	1	9.2	0.059
OCPD-1-12	12		53	1	9.2	0.059
OCPD-1-15	15		66	1	9.7	0.059
OCPD-1-18	18		79	1	9.7	0.059
OCPD-V-6	6	230~400V Single/3 phase	27/9	1	9.7	0.059
OCPD-V-9	9		40/13	1	9.7	0.059
OCPD-V-12	12		53/18	1	9.7	0.059
OCPD-3-15	15	400V 3 phase	22	1	9.7	0.059
OCPD-3-18	18		26	1	9.7	0.059
OCPD-3-24	24		35	1	9.7	0.059

Note : For other voltages in the 3phase heaters please add -415 or -380 after the code

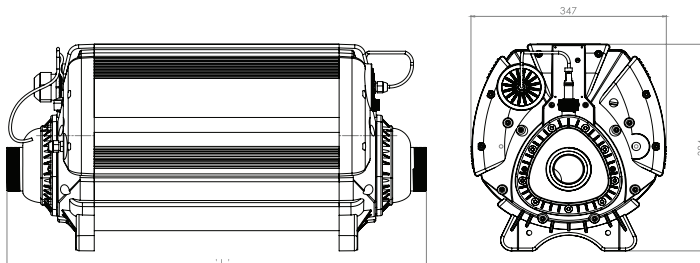


06 | SFS JOEY

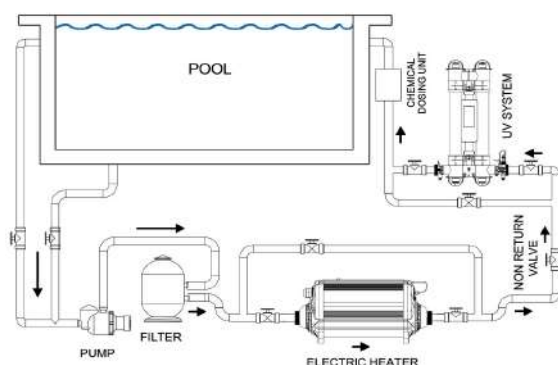
ELECR
ENGINEERING **Technical features**

Reliable, accurate and efficient, SFS Joey fully titanium heater by Elecro is the ideal choice for a long lasting heater for any application where water contains high TDS, debris laden water and flow rate is reduced. Ideal for commercial pools.

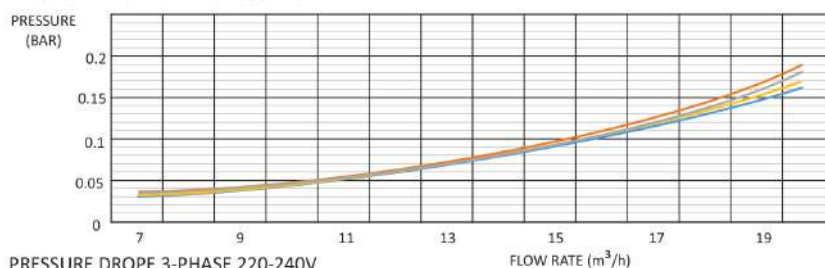
- Various power options ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Fitted with temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control with 0.5°C differential
- Multi-lingual display
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

 **Dimensions****SPECIFICATIONS**

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 7m³/h / Maximum flow: 15m³/h / Recommended flow: 8m³/h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Analogue: 0 > 40°C (1.2°C differential)/Digital: 0 > 40°C (0.5°C differential)
SAFETY THERMAL CUT OUT	65°C safety thermal cut out (auto reset) against enclosure over-temperature 60°C safety thermal cut out (manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
CONTACTOR	Cascade wired dual Siemens 3RT2023 or 3RT2027 for each element bank
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	63mm spigot with 2"/63mm stepped ABS unions
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting

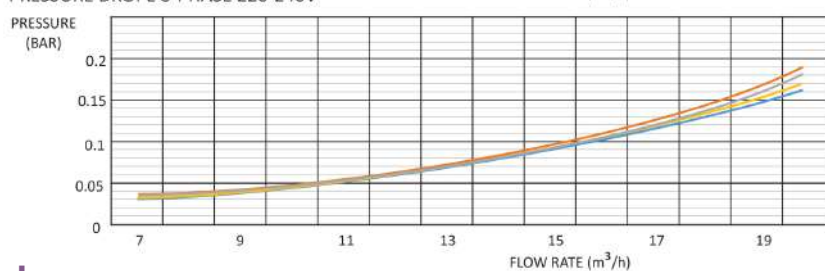


PRESSURE DROPE 3-PHASE 380-415V



— 18,24,30 & 36-KW
 — 45,54,60 & 72 - KW
 — 96-KW
 — 120-KW

PRESSURE DROPE 3-PHASE 220-240V



— 18,24,30 & 36-KW
 — 45 & 54-KW
 — 90 & 72-KW
 — 90-KW

Models

CODE	POWER OUTPUT	CURRENT	LOAD	DIMENSIONS	PACKING	WEIGHT	VOLUME
	kW		Amp	L		kg	m³
SFS-18	18	400V 3 phase	26	699	1	26	0.20
SFS-24	24		35	699	1	26	0.20
SFS-30	30		44	699	1	26	0.20
SFS-36	36		53	699	1	26	0.20
SFS-45	45		66	699	1	28	0.20
SFS-54	54		79	699	1	28	0.20
SFS-60	60		87	699	1	28	0.20
SFS-72	72		105	699	1	28	0.20
SFS-96	96		139	1042	1	44	0.28
SFS-120	120		174	1042	1	44	0.28
SFSD-18	18		26	699	1	26	0.20
SFSD-24	24		35	699	1	26	0.20
SFSD-30	30		44	699	1	26	0.20
SFSD-36	36		53	699	1	26	0.20
SFSD-45	45		66	699	1	28	0.20
SFSD-54	54		79	699	1	28	0.20
SFSD-60	60		87	699	1	28	0.20
SFSD-72	72		105	699	1	28	0.20
SFSD-96	96		139	1042	1	44	0.28
SFSD-120	120		174	1042	1	44	0.28

Note : For other voltages in the 3phase heaters please add -415 or -380 after the code

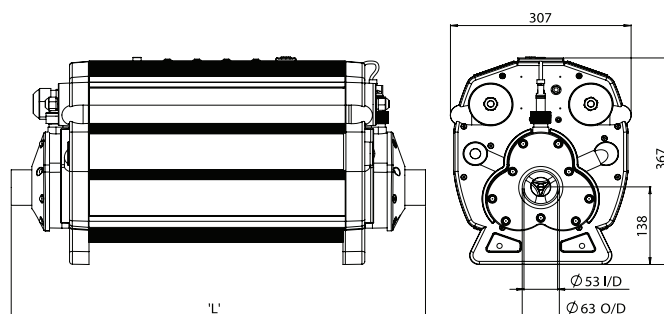


07 | TITAN OPTIMA

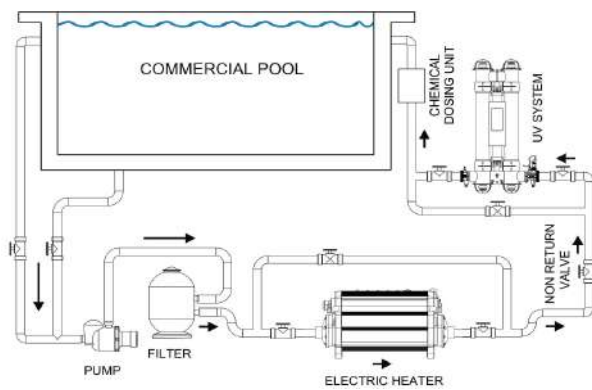
ELECO
ENGINEERING**✓ Technical features**

Reliable accurate and efficient, the Titan Optima fully titanium heater is top of the range and comes with a touchscreen display. It is the ideal choice for a long-lasting heater for commercial pools. The design makes it highly robust and durable.

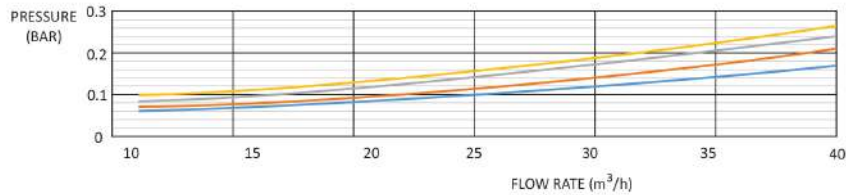
- Various power options ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Supplied with temperature thermostat and overheating sensor
- Compact, durable design
- Touchscreen control with soft-start for power supply protection
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

**Dimensions****SPECIFICATIONS**

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 12m³/h / Recommended flow: 30m³/h / Maximum flow: 45m³/h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Touchscreen 0 > 45°C (0.5°C differential)
SAFETY THERMAL CUT OUT	65°C safety thermal cut out (auto reset) against enclosure over-temperature 60°C safety thermal cut out (manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
CONTACTOR	Cascade wired dual Siemens 3RT2023 or 3RT2027 for each element bank
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	63mm spigot with 2"/63mm stepped ABS unions
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting

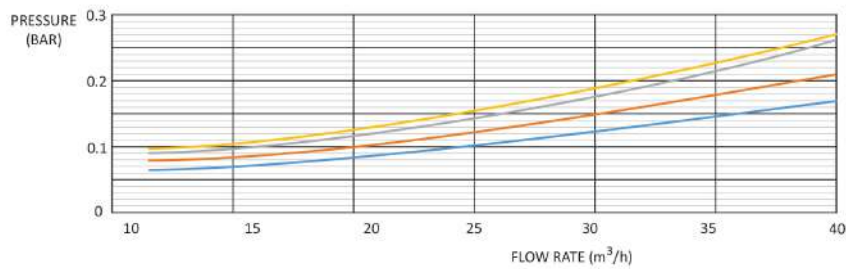


PRESSURE DROPE 3-PHASE 380-415V



— 18,24,30 & 36-KW
 — 45,54,60 & 72 - KW
 — 96-KW
 — 120-KW

PRESSURE DROPE 3-PHASE 220-240V



— 18,24,30 & 36-KW
 — 45 & 54-KW
 — 90 & 72-KW
 — 90-KW

Models

CODE	POWER OUTPUT	CURRENT	LOAD	DIMENSIONS	PACKING	WEIGHT	VOLUME
	kW		Amp	L		kg	m³
CP-TS-18	18	400V 3 phase	26	699	1	25.8	0.20
CP-TS-24	24		35	699	1	25.8	0.20
CP-TS-30	30		44	699	1	25.8	0.20
CP-TS-36	36		53	699	1	25.8	0.20
CP-TS-45	45		66	699	1	28.0	0.20
CP-TS-54	54		79	699	1	28.0	0.20
CP-TS-60	60		87	699	1	28.0	0.20
CP-TS-72	72		105	699	1	28.0	0.20
CP-TS-96	96		139	1042	1	43.8	0.28
CP-TS-120	120		174	1042	1	43.8	0.28

Note : For other voltages in the 3phase heaters please add -415 or -380 after the code



08 | POOL SMART PLUS

ELECO
ENGINEERING

✓ Technical features

A highly convenient, remotely accessible, touchscreen heat controller for residential and commercial pools. Includes a flow switch and temperature sensor for accurate monitoring and a management system that gives complete control over the swimming pool heating.

- Smart touchscreen display
- BMS (Building Management System) Integration Ready
- Multi-lingual interface
- Programmable 24-hour time clock (4 time zones)
- Flow and temperature sensor ports
- Accurate control to 0.5°C
- Diagnostic display



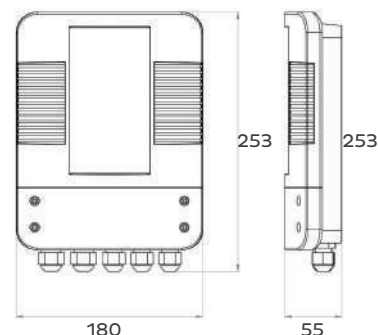
📏 Dimensions



T-PIECE



50MM AND 1.5 " REDUCERS



SPECIFICATIONS

POWER SUPPLY	Single phase 100-240V
AVAILABLE MODELS	Heating only
CONTROL THERMOSTAT	Digital: 0 > 45°C (0.5°C differential)
TEMPERATURE SENSOR	3 metre long (thermistor 103AT-2, R25=10K B=3435K)
FLOW SWITCH	3 metre long with gold tipped reed switch with titanium fulcrum pin
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60Hz
MOUNTING	Wall mounting

🔍 Models

CODE	DESCRIPTION	OUTPUTS	ACCESSORIES	PACKING	WEIGHT	VOLUME
					kg	m ³
PSPC-POOL	Pool heating controller	Volt free heating output Volt free filtration pump output	3 meter long flow switch 3 meter long temperature sensor T-piece with 50mm and 1.5" reducers	1	1.6	0.013

09 | HEAT SMART & KOOL SMART PLUS

ELECTRO
ENGINEERING

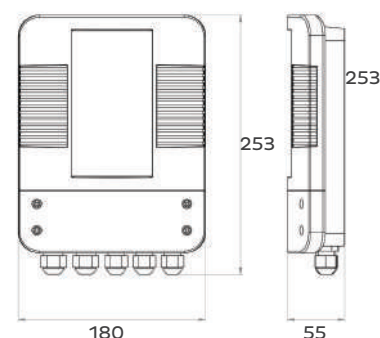
✓ Technical features

The perfect additional to any Electro heat exchanger – A touchscreen heating or cooling controller with built in flow switch and temperature sensor for safe operation. Both Heatsmart Plus and Koolsmart Plus are available with or without a Grundfos booster pump.

- Smart touchscreen display
- BMS (Building Management System) Integration Ready
- Multi-lingual interface
- Programmable 24-hour time clock (4 time zones)
- Flow and temperature sensor ports
- Accurate control to 0.5°C
- Diagnostic display



Dimensions

GRUNDFOS
BUSTER PUMPFLOW SWITCH AND
TEMPERATURE SENSOR

SPECIFICATIONS

POWER SUPPLY	Single phase 100-240V
AVAILABLE MODELS	Heating only /Cooling only
CONTROL THERMOSTAT	Digital: 0 > 45°C (0.5°C differential)
TEMPERATURE SENSOR	1 metre long (thermistor 103AT-2, R25=10K B=3435K)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
INGRESS PROTECTION RATING	IP 44
FREQUENCY	50/60Hz
MOUNTING	Wall mounting
OPTIONAL ACCESSORIES	Grundfos Booster Pump

Q Models

CODE	DESCRIPTION	OUTPUTS	ACCESSORIES	PACK- ING	WEIGHT	VOLUME
					kg	m ³
PSPC-HE	Heat exchanger controller	Volt free heating output Volt free filtration pump output	1 metre long flow switch 1 metre long temperature sensor	1	1.6	0.013
PSPC-HE-GP	Heat exchanger controller	220-240V Booster Pump output	Grundfos Booster Pump 1 metre long flow switch 1 metre long temperature sensor	1	3.5	0.021
KSPC-HE	Heat exchanger controller	Volt free heating output Volt free alarm pump output	1 metre long flow switch 1 metre long temperature sensor	1	1.6	0.013
KSPC-HE-GP	Heat exchanger controller		Grundfos Booster Pump 1 metre long flow switch 1 metre long temperature sensor	1	3.5	0.021



10 | G2 HEAT EXCHANGER

✓ Technical features

- Manufactured using top quality components and materials
- Robust, durable construction
- Titanium tube bundle (Salt and sea water safe)
- BS AISI-316L stainless steel shell with special polyamide fittings
- Wall mountable (bracket supplied)
- Available with analogue or digital control (optional)
- Working pressure: 4 bar maximum

Construction:

The G2 construction provides a vast heat transfer surface area, consisting of a densely populated multi-tubular bundle, secured by the uniquely designed polyamide rubber tube sheet. It's shell is manufactured in BS AISI-316L stainless steel, enclosed by a rigid thermal shell for enhanced insulation of the primary (HOT) water, enabling even greater heat transfer; this is capped at each end with primary and secondary moulded fittings manufactured from specially formulated polymer alloy material.

What's included:

The standard G2 heat exchanger is supplied complete with:

- 2 x 1" male/male Brass Primary connections
- 1 x 1" Non-Return Valve
- Titanium thermostat pocket
- 1 x Blanking Cap and Gasket (for non-thermostat side)

Installation:

The G2 heat exchanger is installed in the pool filtration circuit from which water passes through the tube side of the exchanger. Water from the primary heating circuit flows counter-current through the shell side of the exchanger, heating the swimming pool water. Ideal for use with gas or oil fired boiler circuits, solar panels, heat pumps or chillers.

The G2 Heat Exchanger has been designed to allow the installation engineer to select which way to plumb the primary and secondary water to achieve maximum thermal gain; this is achieved by routing the primary flow in an opposing direction to the secondary (POOL) water.

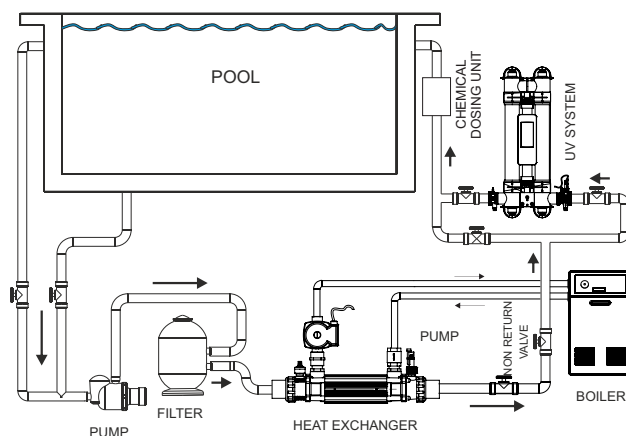
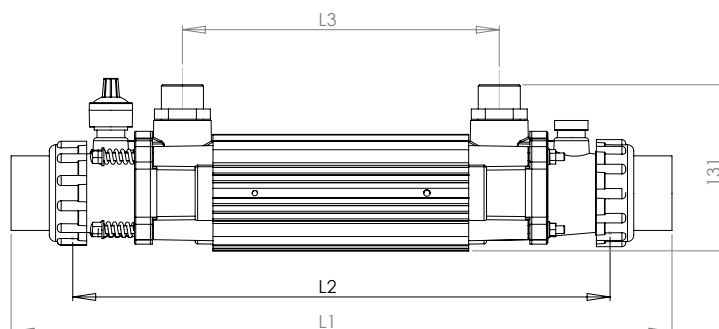
Water connections:

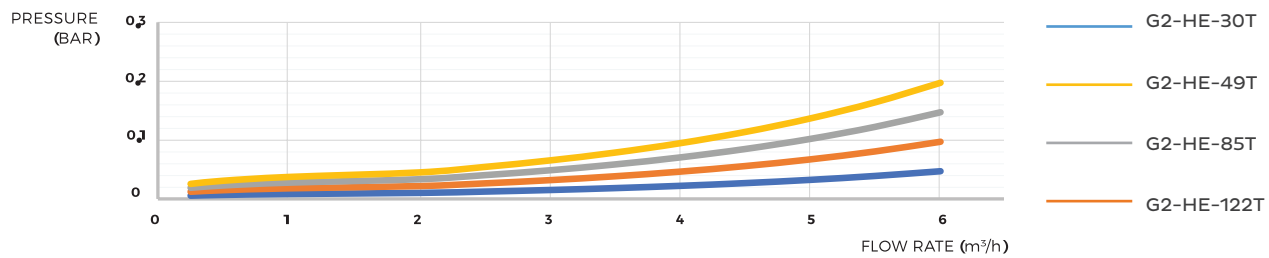
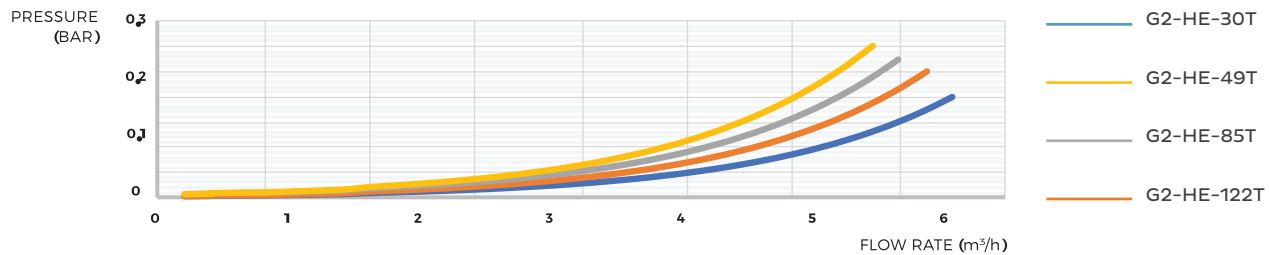
- Primary 1" BSP male (brass fittings supplied)
- Secondary (POOL): 1.5" or 50mm NB adapters for connection to PVC or ABS pipe

ELECO
ENGINEERING



Dimensions



PRESSURE DROP SECONDARY CIRCUIT**PRESSURE DROP PRIMARY CIRCUIT**

Models

CODE	STANDARD POWER OUTPUT		DIMENSIONS			PACKING	WEIGHT		VOLUME
	kW	BTU	L1	L2	L3		kg	m³	
G2-HE-30T	30	102K	540	426	247	1	3.9	0.016	
G2-HE-49T	49	167K	710	596	417	1	5.0	0.021	
G2-HE-85T	85	290K	840	726	547	1	6.3	0.026	
G2-HE-122T	122	416K	1000	886	707	1	7.6	0.037	

CODE	PRIMARY (HOT) FLOW	PRIMARY (HOT) HEAD LOSS	SECOND-ARY (POOL) FLOW	SECOND-ARY (POOL) HEAD LOSS	ΔT 15°C	ΔT 20°C	ΔT 30°C	ΔT 40°C	ΔT 50°C	ΔT 60°C	ΔT 70°C
	m³	kPa	m³	m³	kW	kW	kW	kW	kW	kW	kW
G2-HE-30T	1.1	6.1	10	5	9	11	16	20	26	30	33
	1.3	6.8	10	5	10	13	18	23	31	34	39
	1.3	6.8	14	7	11	15	20	26	34	41	46
G2-HE-49T	1.6	7.7	16	9.2	13	18	25	33	41	50	56
	1.8	8.3	16	9.2	14	20	28	38	45	55	62
	2.2	9.3	17	9.8	16	22	33	44	52	64	73
G2-HE-85T	2.4	11.3	17	10.6	22	28	40	53	64	75	81
	2.7	12.9	17	10.6	26	32	46	60	73	82	89
	3.2	14.7	17	10.6	28	34	49	64	77	90	102
G2-HE-122T	3.8	18.3	19	12.6	33	43	68	75	93	108	120
	4.2	20	19	12.6	36	48	70	89	108	126	143
	4.6	21.1	19	12.6	38	53	73	95	116	137	156



11 | SST HEAT EXCHANGER

ELECR
ENGINEERING

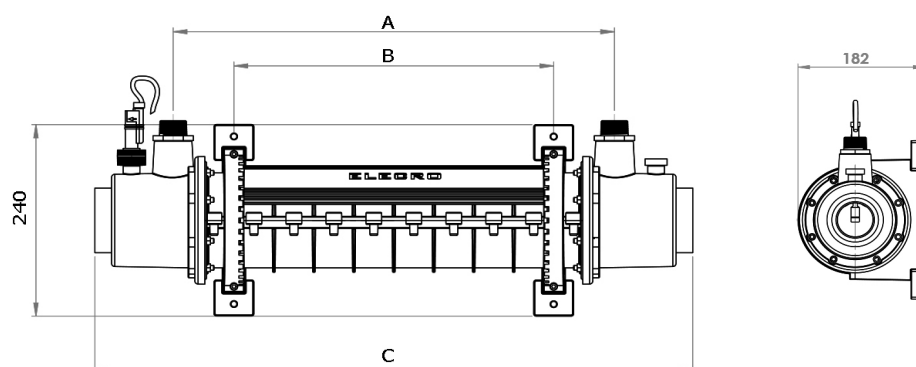
✓ Technical features

The SST (Shell & Spiral Tube) is a titanium, spiral tube heat exchanger with a rigid, uniquely formulated shell that has a high-pressure tolerance and provides the perfect solution for all demanding spa and residential pool environments. The SST is easy to install, consumes no electricity and operates in complete silence with zero maintenance required.

- Four models available, ranging from 36-kW to 95-kW
- Special formulated polymer
- Coiled titanium primary casing
- Salt and sea water compatible
- 30 bar (primary) and 3 bar (secondary) pressure tolerance
- Low pressure drop
- With optional Smart Touchscreen Controller and Booster Pump
- Temperature and flow sensor port
- Floor or wall mountable

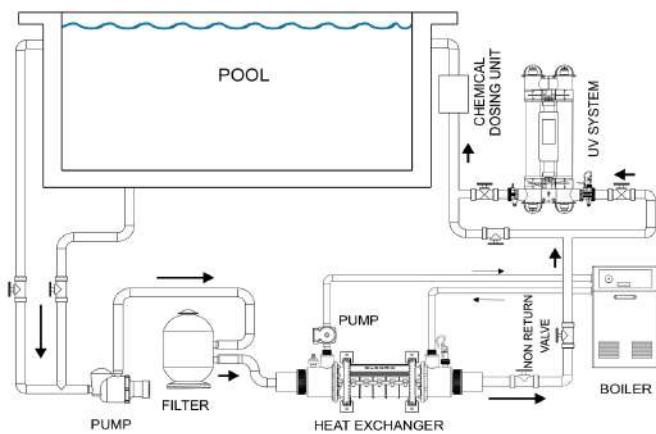


Dimensions

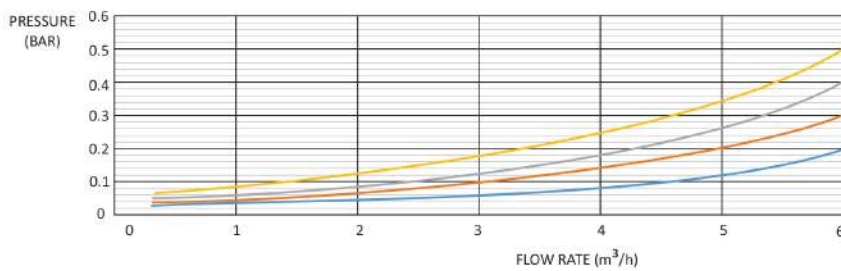


PRIMARY CIRCUIT	
FLOW TUBE	COILED TITANIUM
WATER CONNECTIONS	1" BSP MALE FITTING
FLOW TUBE	30 BAR MAXIMUM

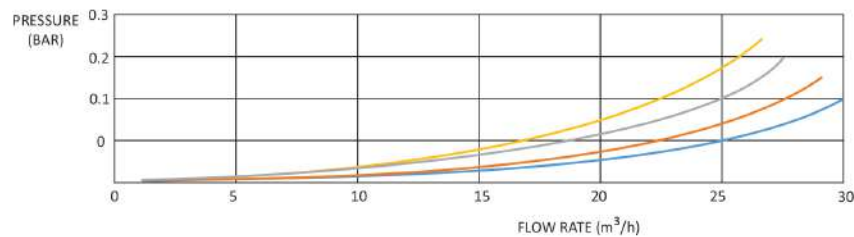
SECONDARY CIRCUIT	
FLOW TUBE	SPECIAL FORMULATED POLYMER
WATER CONNECTIONS	21/2"/63 MM STEPPED ABS UNIONS FOR RIGID PIPE CONNECTION WITH 1/1/2"/50MM REDUCERS
FLOW TUBE	30 BAR MAXIMUM



PRESSURE DROP PRIMARY CIRCUIT



PRESSURE DROP SECONDARY CIRCUIT



SST-36

SST-50

SST-75

SST-95

SST-36

SST-50

SST-75

SST-95

Models

CODE	STANDARD POWER OUTPUT		DIMENSIONS			PACKING	WEIGHT	VOLUME
	kW	BTU	A	B	C		kg	m ³
SST-36	36	123	290	143	478	1	5.8	0.055
SST-50	50	171	386	240	574	1	6.4	0.055
SST-75	75	256	530	384	718	1	7.6	0.075
SST-95	95	324	674	528	862	1	8.7	0.075

CODE	PRIMARY (HOT) FLOW	PRIMARY (HOT) HEAD LOSS	SECONDARY (POOL) FLOW	SECONDARY (POOL) HEAD LOSS	ΔT 50°C	ΔT 60°C	ΔT 70°C
	m ³	kPa	m ³	m ³	kW	kW	kW
SST-36	1.1	6.1	12	5.0	26	30	33
SST-50	2.5	6.8	15	5.0	31	34	39
SST-75	2.7	6.8	18	5.0	34	41	46
SST-95	3.2	7.7	18	5.0	41	50	56



12 | PLATE HEAT EXCHANGER

ELECO
ENGINEERING

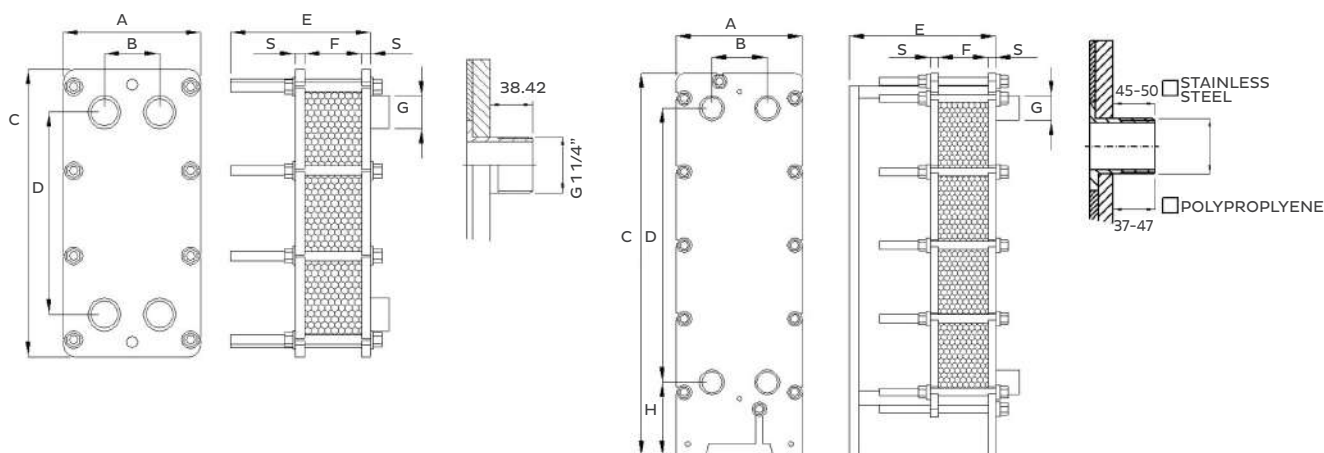
✓ Technical features

Cost effective heat management solution. Whether it is for heating or cooling their efficient operation saves energy, reducing costs and minimising environmental impact.

- High overall heat transfer coefficient
- Compact design gives maximum surface area to material volume without compromising mechanical robustness
- High performance with low hold-up volume
- Versatile, modular design
- Plate and gasket materials available to suit most fluid types
- Easy dismantling for rapid cleaning



Dimensions



DIMENSION (mm)	A	B	C	D	E	F	G	H	S
PHE100-TI	204	86	490	381	116	39.75	DN32	0	14/12
PHE140-TI	204	86	490	381	116	50.35	DN32	0	14/12
PHE180-TI	204	86	490	381	141	66.25	DN32	0	14/12
PHE240-TI	204	86	490	381	191	92.75	DN32	0	14/12
PHE290-TI	204	86	490	381	191	103.35	DN32	0	14/12
PHE330-TI	204	86	490	381	241	129.85	DN32	0	14/12
PHE370-TI	204	86	490	381	291	140.45	DN32	0	14/12
PHE410-TI	204	86	490	381	291	151.05	DN32	0	14/12
PHE450-TI	312	140	963	690	447	66.5	DN65	185	20/20
PHE500-TI	312	140	963	690	447	87.5	DN65	185	20/20
PHE550-TI	312	140	963	690	447	94.5	DN65	185	20/20
PHE610-TI	312	140	963	690	447	101.5	DN65	185	20/20
PHE670-TI	312	140	963	690	447	115.5	DN65	185	20/20
PHE730-TI	312	140	963	690	447	122.5	DN65	185	20/20
PHE780-TI	312	140	963	690	447	129.5	DN65	185	20/20
PHE820-TI	312	140	963	690	447	136.5	DN65	185	20/20

Models

PROCESS DATA (HOT SIDE)	PHE100-TI	PHE140-TI	PHE180-TI	PHE240-TI	PHE290-TI	PHE330-TI	PHE370-TI	PHE410-TI
TEMP(IN)°C	90	90	90	90	90	90	90	90
TEMP(OUT)°C	70	70	70	70	70	70	70	70
FLOW RATE (M/H)	4.52	6.20	7.88	10.71	12.70	14.70	16.38	18.33
PRESSURE DROP (KPA)	22.11	25.54	24.50	25.04	26.62	25.55	27.18	29.57

PROCESS DATA (COLD SIDE)	PHE100-TI	PHE140-TI	PHE180-TI	PHE240-TI	PHE290-TI	PHE330-TI	PHE370-TI	PHE410-TI
TEMP(IN)°C	20	20	20	20	20	20	20	20
TEMP(OUT)°C	35	35	35	35	35	35	35	35
FLOW RATE (M/H)	5.88	8.07	10.26	13.94	16.54	19.13	21.32	23.86
PRESSURE DROP (KPA)	42.19	48.65	46.48	47.13	49.91	47.51	50.36	54.59
DELTA T LOG MEAN (C)	52.46	52.46	52.46	52.46	52.46	52.46	52.46	52.46
HEAT EXCHANGES (KW)	102	140	178	242	287	332	370	414

CONSTRUCTION DATA	PHE100-TI	PHE140-TI	PHE180-TI	PHE240-TI	PHE290-TI	PHE330-TI	PHE370-TI	PHE410-TI
HEAT TRANSFER AREA (M)	0.624	0.816	1.104	1.584	1.776	2.256	2.448	2.640
OVER SURFACING (%)	121.48	118.57	126.71	133.98	128.42	139.15	136.47	132.69
OVERALL K SERVICE(W/MC)	3114.33	3268.79	3071.85	2910.78	3078.84	2803.80	2879.64	2987.76
FOULING F (MC/KW)	0	0	0	0	0	0	0	0
PLATES THICKNESS (MM)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
OVERALL K CLEAN(W/MC)	6897.51	7144.68	6964.29	6813.72	7032.83	6705.26	6809.54	6952.19
WEIGHT EMPTY (KG)	29	30	32	35	36	39	40	41
WEIGHT FULL (KG)	30.778	32.346	34.698	38.618	40.186	44.106	45.674	47.242
VOLUME HOT SIDE (L)	0.714	0.918	1.224	1.734	1.938	2.448	2.652	2.856
VOLUME COLD SIDE (L)	0.714	0.918	1.224	1.734	1.938	2.448	2.62	2.856
NO. SERIES PASS HOT SIDE	1	1	1	1	1	1	1	1
NO. SERIES PASS COLD SIDE	1	1	1	1	1	1	1	1
NO. PARALLEL PASSES HOT SIDE	7	9	12	17	19	24	26	28
NO. PARALLEL PASSES COLD SIDE	7	9	12	17	19	24	26	28



Models

PROCESS DATA (HOT SIDE)	PHE450-TI	PHE500-TI	PHE550-TI	PHE610-TI	PHE670-TI	PHE730-TI	PHE780-TI	PHE820-TI
TEMP(IN)°C	90	90	90	90	90	90	90	90
TEMP(OUT)°C	70	70	70	70	70	70	70	70
FLOW RATE (M/H)	19.74	22.31	24.17	26.96	29.75	32.54	34.40	36.25
PRESSURE DROP (KPA)	23.28	21.45	21.85	22.51	23.26	22.72	23.21	23.73

PROCESS DATA (COLD SIDE)	PHE450-TI	PHE500-TI	PHE550-TI	PHE610-TI	PHE670-TI	PHE730-TI	PHE780-TI	PHE820-TI
TEMP(IN)°C	20	20	20	20	20	20	20	20
TEMP(OUT)°C	35	35	35	35	35	35	35	35
FLOW RATE (M/H)	25.70	29.04	31.46	35.06	38.72	42.35	44.77	47.19
PRESSURE DROP (KPA)	50.06	45.73	46.43	47.64	48.88	47.53	48.36	49.24
DELTA T LOG MEAN (C)	52.46	52.46	52.46	52.46	52.46	52.46	52.46	52.46
HEAT EXCHANGES (KW)	446	504	546	609	672	735	777	819

CONSTRUCTION DATA	PHE450-TI	PHE500-TI	PHE550-TI	PHE610-TI	PHE670-TI	PHE730-TI	PHE780-TI	PHE820-TI
HEAT TRANSFER AREA (M)	2.873	3.887	4.225	4.563	5.239	5.577	5.915	6.253
OVER SURFACING (%)	95.43	114.26	114.95	112.11	116.59	114.10	114.62	115.09
OVERALL K SERVICE(W/MC)	2957.66	2470.38	2462.15	2542.82	2443.82	2510.93	2502.74	2495.42
FOULING F (MC/KW)	0	0	0	0	0	0	0	0
PLATES THICKNESS (MM)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
OVERALL K CLEAN(W/MC)	5780.09	5293.03	5293.03	5393.57	5293.03	5375.97	5371.40	5367.30
WEIGHT EMPTY (KG)	150	155	156	158	161	163	164	166
WEIGHT FULL (KG)	157.85	165.20	167.65	170.10	175.00	177.45	179.90	182.35
VOLUME HOT SIDE (L)	3.825	5.100	5.525	5.950	6.800	7.225	7.650	8.075
VOLUME COLD SIDE (L)	3.825	5.100	5.525	5.950	6.800	7.225	7.650	8.075
NO. SERIES PASS HOT SIDE	1	1	1	1	1	1	1	1
NO. SERIES PASS COLD SIDE	1	1	1	1	1	1	1	1
NO. PARALLEL PASSES HOT SIDE	9	12	13	14	16	17	18	19
NO. PARALLEL PASSES COLD SIDE	9	12	13	14	16	17	18	19

13 | AQUA POOL DEHUMIDIFIERS WITH HEATING & COOLING FUNCTION

✓ Technical features

AQUA Indoor Environmental Control Systems, provide effective control of damaging moisture, common with indoor pool facilities. They maintain a delicate balance of humidity control and manage air and water temperatures for maximum comfort at the lowest cost. This series uses heat pump technology to dehumidify the space and recycle the waste energy to heat both the air and pool water. They are available in many sizes and a variety of configurations for large indoor pools found in hotels, schools, natatoriums, aquatic centres and water parks.



BUILT FOR THE CORROSIVE POOL ENVIRONMENT

AQUA dehumidifiers have many special design features to minimize maintenance and extend the life of the unit. All critical components are located out of the corrosive air stream, and coils are constructed from all copper and coated aluminium fins for long life. AQUA uses full-size air/water condensers for maximum pool and air heating or cooling. It utilizes a sophisticated controller that offers high efficient control strategies for more efficient intelligent pool operation. All units are constructed of heavy-gauge steel with side and roof panels galvanized and epoxy powder coated to resist corrosion. Panel insulation provides additional energy efficiency along with sound control for indoor and outdoor installations.



- Room hygrostat and thermostat.
- Automatically switches mode from heat to cool.
- Optional digital controller with display.

RECYCLED ENERGY LESSENS THE NEED FOR FOSSIL FUEL HEATING

Indoor pools demand large quantities of heat to maintain space and water comfort conditions. Rather than relying on fossil fuel as the primary heat source, AQUA units utilise waste heat, generated during dehumidification to heat the space and pool water. AQUA units return much more energy than they use with average recorded savings ranging from 40% to 60% over conventional outside air dilution systems. For every kilowatt of electrical power used to operate AQUA system, five kilowatts of heat are delivered to the natatorium and water. friendly interface - Self diagnosis

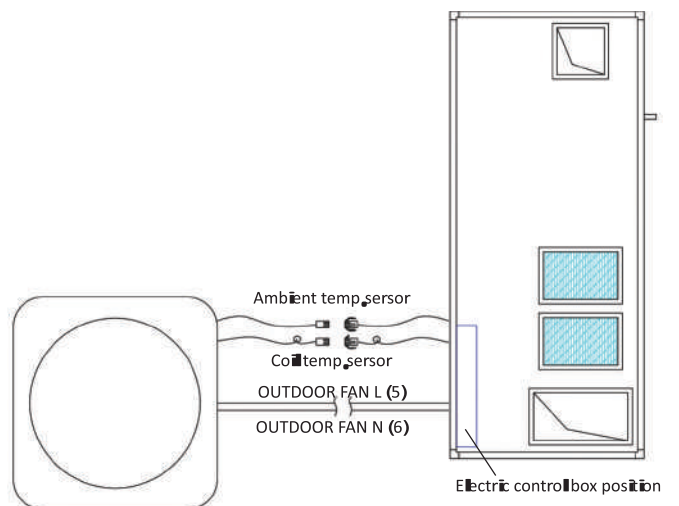
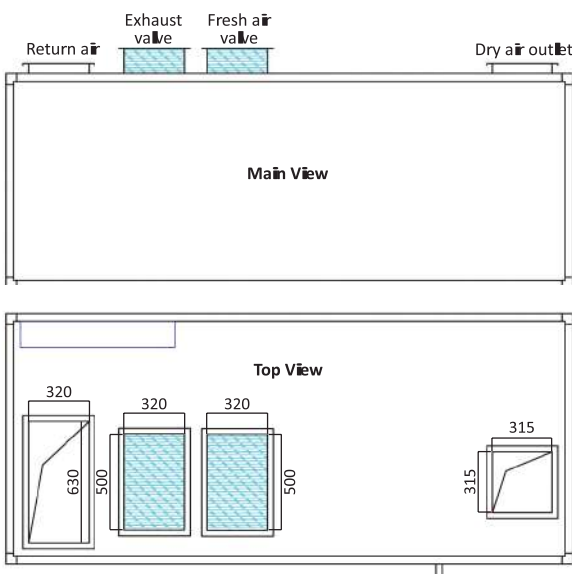
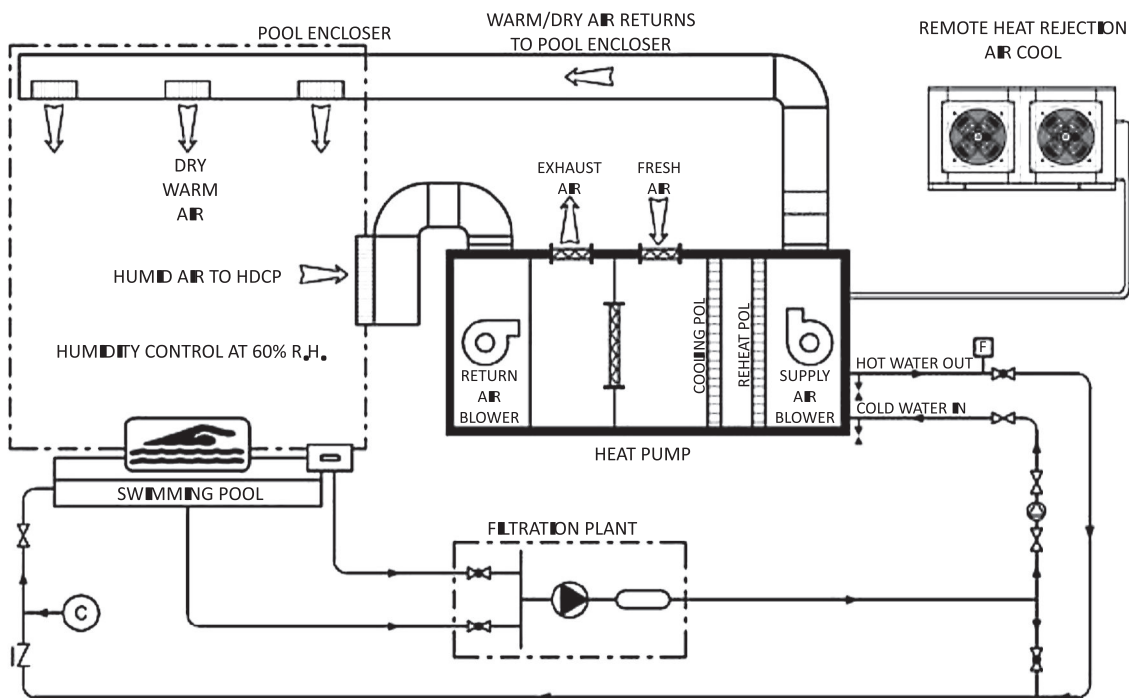
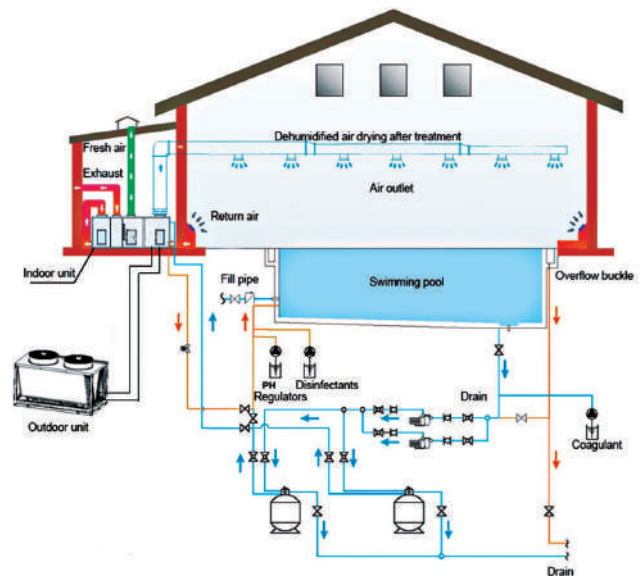
HIGH EFFICIENCY AND ENVIRONMENTALLY FRIENDLY

All models use R22 or R417A refrigerant and deliver excellent performance characteristics. Stage compressor cycling ensures minimum compressor operation for any given load for greater efficiency, and also maintains a high quality environment.



The systems can be configured to return condensate back to the pool, saving the equivalent of the entire pool's volume over one year. For improved air quality, plasma filters can be added.

- Rugged features delivers unrivaled performance
- Scroll compressor, efficient and quiet operation
- Coated evaporator and reheat condenser coils, long life
- Titanium tube-in-shell water heat exchanger
- Powder coated cabinet, corrosion resistant
- Controller with user friendly interface
- Self diagnosis



Models

			AD-15	AD-20	AD-25	AD-30	AD-40	AD-50	AD-60	AD-80	AD-100	AD-120	AD-160	
POWER SUPPLY		V/P/ Hz	380-415/3/50											
OUTPUT	COOLING	kW/h	25	33	41	51	65	82	97	131	163	192	241	
	HEATING	kW/h	30	39	47	60	78	106	128	170	214	243	280	
DEHUMIDIFICATION CAPACITY		kg/h	17	22	26	33	43	51	62	84	102	122	160	
APPLICATION POOL SURFACE AREA		m²	68	88	104	132	172	204	248	336	408	488	640	
RATED AIRFLOW		m³@ 300 Pa	4000	5000	6000	7500	9000	11000	13000	16600	21000	25000	32000	
BLOWER	QTY.		2	2	2	2	2	2	2	2	2	2	2	
	TYPE		CENTRIFUGAL						CENTRIFUGAL					
	STATIC PRESSURE RANGE	Pa	100-500	100-500	100-500	100-500	100-850	100-850	100-850	100-850	100-850	100-850	100-850	
	POWER INPUT	kW	1.5	1.5	2.2	2.2	3.5	4	5.5	6	7	7.5	11	
COMPRES- SOR	QTY.		1	1	1	2	2	2	2	2 or 4	2 or 4	2 or 4	2 or 4	
	TYPE													
	POWER INPUT	kW	5.5	7	8.5	5.4	7	8.5	11	7 or 13	8.5 or 16.5	11 or 22	13 or 25	
WATER HEAT EXCHANGER CONDENSER	RATED WORKING PRESSURE	MPa	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
	MAX. WATER TEMPERATURE	°C	40	40	40	40	40	40	40	40	40	40	40	
	RATED WATER FLOW RATE	m³	4.7	6.1	7.2	9.4	12.2	14.5	18.8	24.6	30.6	37.5	48	
	WATER CONN. SIZE	mm	32	32	38	50	50	63	63	75	75	90	100	
AIR COOLED CONDENSER	QTY.		1	1	1	1	1	1	1	2	2	2	2	
	RATED CAPACITY	kW	30	39	47	60	78	96	118	150	184	223	278	
	RATED AIRFLOW	m³	10000	12000	15000	20000	24000	30000	40000	48000	60000	80000	90000	
	NO.OF FANS		1	1	1	2	2	2	2	4	4	4	4	
	FAN MOTOR POWER INPUT	kW	0.82	0.82	1.65	0.82	0.82	0.82	0.82	0.82	0.82	1.1	1.1	
DIMENSIONS	OUTDOOR CONDENSER	mm	706	1450	1450	1450	1800	1850	2110	1800	1850	2110	2500	
		mm	686	705	705	705	705	1000	1100	1000	1000	1100	1200	
		mm	940	1065	1065	1065	1065	1320	1350	1320	1320	1350	1350	
	INDOOR MAIN UNIT	mm	3000	3600	3600	3800	4200	4600	4900	5400	5800	6600	7000	
		mm	1300	1520	1570	1670	1670	1930	2160	2200	2200	2150	2200	
		mm	1200	1200	1260	1360	1450	1520	1690	1840	2150	2200	2500	
INDOOR MAIN UNIT WEIGHT		kg	500	800	900	1200	1500	1650	1850	2200	2500	2700	3300	
PACKING			1	1	1	1	1	1	1	1	1	1	1	



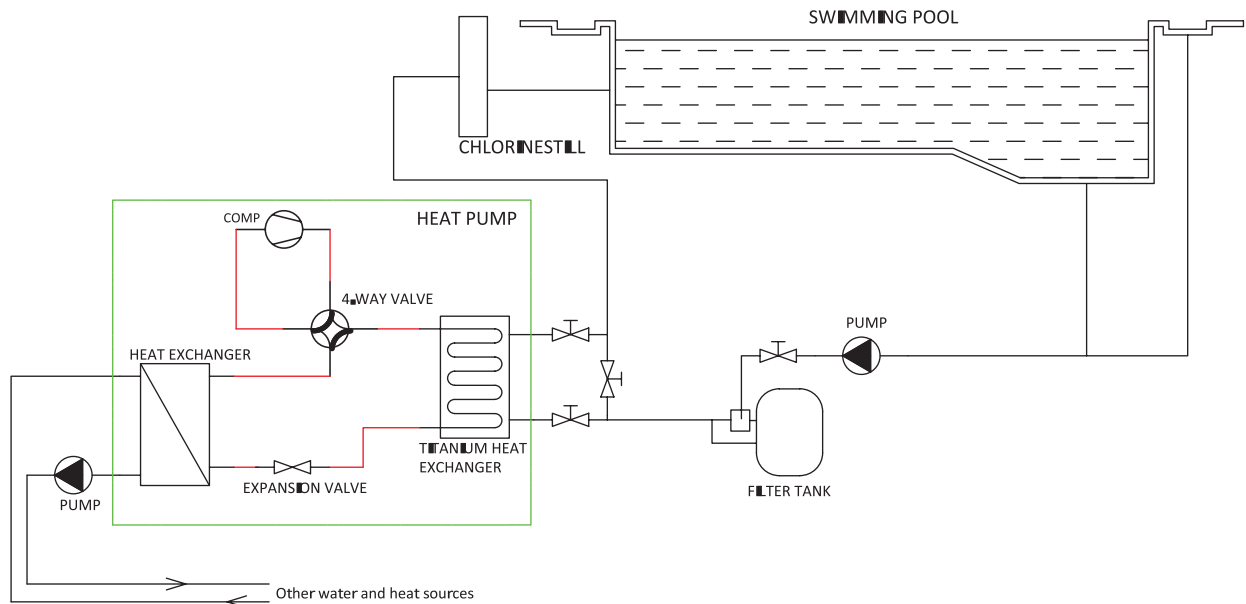
14 | WATER TO WATER POOL HEAT PUMP

✓ Technical features

- Standard type with heating capacity of 13.7kW~171kW
- Touchscreen LCD control display - Can easily connect with a BMS
- Clock and timer on/off function
- High quality system with great efficiency
- Titanium heat exchanger
- Quiet operation
- Environmentally friendly



DIAGRAM



WATER TO WATER HEAT PUMP – R410A

 Models

			WN404	WN405	WN406	WN407
PERFORMANCE CONDITION		HEATING (Pool Water 26 Deg C)				
Source Water 5 Deg C	Heating Output	kW	10.5	14.1	17.8	20.2
	Power Input	kW	2.6	3.4	4.3	4.9
	COP		4.06	4.13	4.13	4.11
Source Water 7 Deg C	Heating Output	kW	11.4	15.3	19.4	21.9
	Power Input	kW	2.6	3.5	4.4	5.0
	COP		4.35	4.42	4.43	4.40
Source Water 10 Deg C	Heating Output	kW	12.7	17.0	21.5	24.4
	Power	kW	2.7	3.5	4.5	5.1
	COP		4.74	4.81	4.82	4.79
Source Water 12 Deg C	Heating Output	kW	13.4	18.0	22.8	25.8
	Power	kW	2.7	3.6	4.5	5.1
	COP		4.96	5.04	5.05	5.02
PERFORMANCE CONDITION			COOLING (Pool Water 30 Deg C)			
Source Water 5 Deg C	Cooling Output	kW	16.1	22.1	25.7	29.4
	Power	kW	1.4	1.9	2.4	2.5
	EER		11.33	11.55	10.79	11.57
Source Water 7 Deg C	Cooling Output	kW	15.9	21.8	25.3	29.0
	Power	kW	1.5	2.0	2.5	2.7
	EER		10.59	10.80	10.09	10.82
Source Water 10 Deg C	Cooling Output	kW	15.4	21.1	24.5	28.1
	Power	kW	1.6	2.2	2.7	2.9
	EER		9.39	9.57	8.95	9.59
Source Water 12 Deg C	Cooling Output	kW	15.1	20.7	24.0	27.6
	Power	kW	1.7	2.3	2.9	3.1
	EER		8.70	8.87	8.29	8.89
Power Supply (V/Hz/Ph)			380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. power Input		kW	4.3	5.7	7.2	8.2
Max. current		A	7.6	10.2	12.9	14.6
Compressor	Quantity		1	1	1	1
	Type		Scroll	Scroll	Scroll	Scroll
	Brand		Copeland	Copeland	Copeland	Copeland
Sound pressure level 1m/3m/5m/10m		dB(A)	41/34/30/24	42/35/31/25	42/35/31/25	43/36/32/26
Sound power level		dB(A)	56	58	58	59
Use side heat exchanger	Quantity		1	1	1	1
	Type		Titanium / PVC			
	Nominal Water Flow	m3/h	4.3	5.8	7.3	8.3
	Min. water flow	m3/h	3.0	4.0	5.1	5.8
	Max Water Flow	m3/h	6.7	9.0	11.5	13.0
	Water pressure drop	kPa	10	12	13	15
	Water Connection	mm	50	50	50	50
Source side heat exchanger	Quantity		1	1	1	1
	Type					
	Nominal Water Flow	m3/h	5.0	6.7	8.5	9.6
	Min. water flow	m3/h	3.8	5.0	6.4	7.2
	Max Water Flow	m3/h	7.8	10.5	13.3	15.0
	Water pressure drop	kPa	12	15	15	19
Water Connection		mm	threaded/50	threaded/50	threaded/50	threaded/50
Leaving water temprature range-Heating		°C	18~40			
Leaving water temprature range-Cooling		°C	12~40			
Refrigerant type			R410A			
Maximum allowable pressure	R410A	Mpa	4.4	4.4	4.4	4.4
	Water	MPa	0.5	0.5	0.5	0.5
Unit size		mm	900/760/860			
Shipping size		mm	985/840/1025			
Unit net weight		kg	105/120	105/120	110/125	110/125
BAR CODE			5061060301785	5061060301792	5061060301808	5061060301815



Models

			WN410	WN412	WN413	WN414
PERFORMANCE CONDITION		HEATING (Pool Water 26 Deg C)				
Source Water 5 Deg C	Heating Output	kW	27.1	33.9	39.9	53.9
	Power Input	kW	6.8	8.7	9.8	13.1
	COP		3.99	3.90	4.07	4.11
Source Water 7 Deg C	Heating Output	kW	29.4	36.9	43.3	58.6
	Power Input	kW	6.9	8.8	9.9	13.3
	COP		4.27	4.18	4.36	4.40
Source Water 10 Deg C	Heating Output	kW	32.7	41.0	48.1	65.1
	Power	kW	7.0	9.0	10.1	13.6
	COP		4.65	4.55	4.75	4.79
Source Water 12 Deg C	Heating Output	kW	34.6	43.4	50.9	68.9
	Power	kW	7.1	9.1	10.2	13.7
	COP		4.87	4.77	4.97	5.02
PERFORMANCE CONDITION		COOLING (Pool Water 30 Deg C)				
Source Water 5 Deg C	Cooling Output	kW	42.6	54.3	58.6	85.4
	Power	kW	3.6	4.5	5.2	7.1
	EER		11.81	12.15	11.35	11.97
Source Water 7 Deg C	Cooling Output	kW	42.0	53.5	57.8	84.2
	Power	kW	3.8	4.7	5.4	7.5
	EER		11.04	11.35	10.61	11.19
Source Water 10 Deg C	Cooling Output	kW	40.7	51.9	56.1	81.7
	Power	kW	4.2	5.2	6.0	8.2
	EER		9.79	10.07	9.41	9.92
Source Water 12 Deg C	Cooling Output	kW	39.9	50.8	54.9	80.0
	Power	kW	4.4	5.5	6.3	8.7
	EER		9.07	9.33	8.72	9.19
Power Supply (V/Hz/Ph)			380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. power Input		kW	11.0	13.7	16.2	21.9
Max. current (A)		A	19.6	24.5	28.8	39.2
Compressor	Quantity		1	2	2	2
	Type		Scroll	Scroll	Scroll	Scroll
	Brand		Copeland	Copeland	Copeland	Copeland
Sound pressure level 1m/3m/5m/10m		dB(A)	44/37/34/28	44/37/34/28	45/38/35/29	49/43/39/33
Sound power level		dB(A)	60	60	61	66
Use side heat exchanger	Quantity		1	2	2	2
	Type		Titanium / PVC			
	Nominal Water Flow	m3/h	11.1	14.0	16.4	22.2
	Min. water flow	m3/h	7.8	9.8	11.5	15.5
	Max Water Flow	m3/h	17.4	21.8	25.6	34.6
	Water pressure drop	kPa	20	23	25	26
	Water Connection	mm	50	50	63	63
Source side heat exchanger	Quantity		1	2	2	2
	Type		Titanium / PVC			
	Nominal Water Flow	m3/h	12.9	16.1	19.0	25.7
	Min. water flow	m3/h	9.7	12.0	14.3	19.3
	Max Water Flow	m3/h	20.1	25.1	29.7	40.2
	Water pressure drop	kPa	24	27	29	30
	Water Connection	mm	threaded/50	threaded/50	threaded/63	threaded/63
Leaving water temprature range-Heating		℃	18~40			
Leaving water temprature range-Cooling		℃	12~40			
Refrigerant type			R410A			
Maximum allowable pressure	R410A	Mpa	4.4	4.4	4.4	4.4
	Water	MPa	0.5	0.5	0.5	0.5
Unit size		mm	1105/700/1590			1750/1120/1000
Shipping size		mm	1155/760/1740			1810/1180/1170
Unit net weight		kg	260/280	270/290	270/290	380/400
BAR CODE			5061060301822	5061060301839	5061060301846	5061060301853

Models

			WN415	WN416	WN417	WN418	WN419
PERFORMANCE CONDITION			HEATING (Pool Water 26 Deg C)				
Source Water 5 °C	Heating Output	kW	67.8	83.9	108.3	135.9	172.1
	Power Input	kW	16.4	19.9	26.9	34.4	44.0
	COP		4.14	4.21	4.02	3.95	3.92
Source Water 7 °C	Heating Output	kW	73.7	91.2	117.7	147.7	187.1
	Power Input	kW	16.6	20.2	27.4	34.9	44.6
	COP		4.43	4.51	4.30	4.23	4.19
Source Water 10 °C	Heating Output	kW	81.9	101.4	130.8	164.1	207.9
	Power	kW	17.0	20.7	27.9	35.6	45.5
	COP		4.83	4.91	4.68	4.60	4.57
Source Water 12 °C	Heating Output	kW	86.7	107.3	138.4	173.7	220.0
	Power	kW	17.1	20.9	28.2	36.0	46.0
	COP		5.06	5.14	4.91	4.82	4.78
PERFORMANCE CONDITION			COOLING (Pool Water 30 Deg C)				
Source Water 5 °C	Cooling Output	kW	109.1	117.7	170.5	218.1	241.3
	Power	kW	9.0	10.7	14.4	18.4	21.9
	EER		12.09	11.04	11.88	11.88	11.02
Source Water 7 °C	Cooling Output	kW	107.5	116.0	168.1	215.1	237.9
	Power	kW	9.5	11.2	15.1	19.4	23.1
	EER		11.30	10.32	11.10	11.10	10.30
Source Water 10 °C	Cooling Output	kW	104.3	112.5	163.0	208.5	230.7
	Power	kW	10.4	12.3	16.6	21.2	25.3
	EER		10.02	9.15	9.84	9.84	9.13
Source Water 12 °C	Cooling Output	kW	102.1	110.2	159.6	204.3	225.9
	Power	kW	11.0	13.0	17.5	22.4	26.7
	EER		9.20	8.48	9.12	9.12	8.46
Power Supply (V/Hz/Ph)			380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. power Input		kW	27.5	32.3	43.9	55.0	58.0
Max. current		A	49.1	57.7	78.4	98.2	105.0
Compressor	Quantity		2	3	4	4	4
	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
Sound pressure level 1m/3m/5m/10m		dB(A)	55/49/45/39	55/49/45/40	56/50/46/41	57/51/47/42	59/53/49/45
Sound power level (dB(A))			72	73	74	76	78
Use side heat exchanger	Quantity		2	3	4	4	4
	Type		Titanium / PVC				
	Nominal Water Flow	m3/h	27.9	34.6	44.6	55.9	70.9
	Min. water flow	m3/h	19.5	24.2	31.2	39.2	49.6
	Max Water Flow	m3/h	43.6	53.9	69.5	87.3	110.5
	Water pressure drop	kPa	27	28	30	32	35
	Water Connection	mm	flange/90	flange/90	flange/110	flange/110	flange/110
Source side heat exchanger	Quantity		2	3	4	4	4
	Type		Titanium / PVC				
	Nominal Water Flow	m3/h	32.5	40.3	51.5	64.5	82.6
	Min. water flow	m3/h	24.3	30.2	38.7	48.4	61.9
	Max Water Flow	m3/h	50.6	62.8	80.4	100.6	128.8
	Water pressure drop	kPa	31	33	35	38	40
Water Connection		mm	flange/90	flange/90	flange/110	flange/110	flange/110
Leaving water temprature range-Heating		°C	18~40				
Leaving water temprature range-Cooling		°C	12~40				
Refrigerant type			R410A				
Maximum allowable pressure	R410A	Mpa	4.4	4.4	4.4	4.4	4.4
	Water	Mpa	0.5	0.5	0.5	0.5	0.5
Unit size		mm	1750/1120/1000	2200/1120/1000	2600/1120/1000		
Shipping size		mm	1810/1180/1170	2290/1210/1170	2690/1210/1170		
Unit net weight		kg	380/400	570/600	755/800	755/800	755/800
BAR CODE			5061060301860	5061060301877	5061060301884	5061060301891	5061060302348



15 | AIR COOLED WATER CHILLER

✓ Technical features

- Touchscreen LCD control display - Can easily connect with a BMS
- Clock and timer on/off function
- Phase monitor: Protects the compressor in case of phase loss or inversion
- High/low pressure protection available
- cooled water temperature



AIR COOLED WATER CHILLER

Q Models

	R410A	CHU2-0110	CHU2-0120	CHU2-0130	CHU2-0140
Operating air temperature		2℃~53℃			
Outlet temperature range		Cooling 7℃~50℃			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	220-240/1/50		380~415/3/5	
Performance condition		Air35℃ / Water inlet 45℃~ 25℃			
Cooling Capacity	kw	5.3	7.3	10.5	14.2
	BTU/H	18084	24908	35826	48450
Power Input	kw	1.8	2.6	3.7	5.0
Current	A	8.2	11.6	6.6	9.0
EER	W/W	2.94	2.85	2.83	2.83
Performance condition		Air46℃ / Water inlet 45℃~ 25℃			
Cooling Capacity	kw	4.5	6.2	8.9	12.1
Power Input	kw	2.1	3.0	4.4	5.9
Current	A	9.7	13.7	7.8	10.6
EER	W/W	2.12	2.04	2.04	2.04
Performance condition		Air46℃ / Water inlet 35℃~ 10℃			
Cooling Capacity	kw	3.1	4.3	6.2	8.3
Power Input	kw	2.0	3.0	4.3	5.8
Current	A	9.3	13.9	7.7	10.4
COP	W/W	1.55	1.43	1.43	1.43
MAX.POWER INPUT	kW	2.4	3.6	5.2	7.0
MAX.CURRENT	A	11.2	16.7	9.3	12.5
Compressor Type * Quantity		Rotary*1	Rotary*1	Scroll*1	Scroll*1
Noise	dB(A)	52	52	55	55
type		Titanium			
Standard water flow	m3/h	2.3	3.1	4.5	6.1
Standard water flow (min)	US GPM	1.1	1.6	2.3	3.1
Standard water flow (max)	US GPM	4.6	6.3	9.0	12.2
Water pressure drop (max)	kPa	9	11	13	15
Water connection	inch	50	50	50	50
Net	mm	1020×440×673		1100×440×673	1100×440×873
Weight	kg	79/94	88/103	103/118	118/137

		CHU2-0150	CHU2-0160	CHU2-0170	CHU2-0180
Operating air temperature		2°C~53 °C			
Outlet temperature range		Cooling 7 °C~50 °C			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	380~415/3/50			
Performance condition		Air35 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	17.5	21.7	28	34
	BTU/H	59710	74040	95536	116008
Power Input	kw	6.2	7.7	10.0	12.1
Current	A	11.1	13.8	17.9	21.7
EER	W/W	2.82	2.82	2.80	2.80
Performance condition		Air46 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	14.9	18.4	23.8	28.9
Power Input	kw	7.3	9.1	11.8	14.3
Current	A	13.1	16.2	21.1	25.6
EER	W/W	2.03	2.03	2.02	2.02
Performance condition		Air46 °C / Water inlet 35 °C~ 10 °C			
Heating Capacity	kw	10.3	12.7	16.4	19.9
Power Input	kw	7.2	9.0	11.6	14.1
Current	A	12.9	16.0	20.8	25.2
EER	W/W	1.42	1.42	1.41	1.41
MAX.POWER INPUT	kW	8.7	10.7	14.0	17.0
MAX.CURRENT	A	15.5	19.2	24.9	30.3
Compressor Type * Quantity		Scroll*1	Scroll*1	Scroll*2	Scroll*2
Noise	dB(A)	58	58	59	59
type		Titanium			
Standard water flow	m3/h	7.5	9.3	12.0	14.6
Standard water flow (min)	US GPM	3.8	4.7	6.0	7.3
Standard water flow (max)	US GPM	15.0	18.7	24.1	29.2
Water pressure drop (max)	kPa	16	18	20	22
Water connection	inch	50	63	63	63
Net	mm	1150×450×973	1100×440×1378	1455×755×1705	
Weight	kg	129/150	194/207	290/323	317/350



16 | INDOOR POOL DEHUMIDIFIER

✓ Technical features

- A fashionable, portable or wall mounted, indoor dehumidifier
- Highly efficient - Absorbs clammy air in atmosphere and provides a pleasant environment
- Epoxy fin air exchanger (wall mounted)
- Clock and timer, on/off function (wall mounted)
- Environmentally friendly and quite operation
- Clears windows and dry walls - No more foggy windows or condensation on pool room walls. AQUA dehumidifiers preserve the construction integrity and gives a pleasant feeling to the occupants in the room
- Simple installation - Can be free standing or wall mounted. It is also duct ready, so the control can be easily made using 220V wiring
- Quality construction and reliability - AQUA dehumidifier comes in white coated anti-humidity paint or in stainless steel body, a digital LCD controller and gas pressure gauge. The unit is covered under a 5 year warranty
- Low electrical cost: AQUA dehumidifier utilises a refrigeration system that requires only a small electrical load
- Humidity control - Stabilises room conditions through dehumidification, reducing the maintenance cost of the room and provides a very pleasant environment to the pool room
- Indoor pool room heating - Recovering energy from the dehumidification process will often heat an entire pool room for the cost of operating the dehumidifier alone
- Indoor pool room cooling - An optional remote condenser will allow the DCA system to cool the pool room during the warm months
- Easy to maintain - The AQUA dehumidifier system is a closed loop system with nothing to oil or lubricate. Simple return air filter maintenance is all that is needed



PORTABLE



WALL MOUNTED

Q Models

INDOOR POOL DEHUMIDIFIER		WALL MOUNTED			
		DW02	DW03	DW04	DW05
Power supply		220-240V-/50HZ			
		Ambient Temp. 30°C, 80% relative humidity			
Rated capacity	l/h	2.2	3.2	4	5
Dehumidification Capacity per day	l	55.2	76.8	96	120
Recommended pool Area	m ²	43	60	84	112
Air Volume	m ³ /h	450	600	750	750
Noise level	db(A)	44	46	47	47
Rated Power Input	kW	0.86	1.18	1.42	1.97
Rated Running Current	A	4.07	5.59	6.72	9.33
Max. Power Input	kW	1.3	1.9	2.3	2.9
Max. Running Current	A	6.0	8.4	10.5	13.1
Relative Humidity	%RH	40-100			
Temperature	°C	10-36			
Dimensions (L /W/H)	mm	868/260/720		1268/260/720	
Shipping size	mm	975/365/920		1375/365/920	
Net Weight	kg	56/69	73/89	76/92	85/101
Condensation Pipe Diameter	mm	16			

INDOOR POOL DEHUMIDIFIER		PORTABLE							
		DM02	DM03	DM04	DM06	DM10S	DM12S	DM15S	DM20S
Power supply		220-240V-/50HZ							
		Ambient Temp. 30°C, 80% relative humidity							
Rated capacity	l/h	2.3	3.2	4.5	6	10.2	12.3	15	22.5
Dehumidification Capacity per day	l	55.2	76.8	108	144	244.8	295.2	360	540
Recommended pool Area	m ²	42	60	84	112	186	223	280	400
Air Volume	m ³ /h	450	600	750	1200	2000	2400	3000	5000
Noise level	db(A)	44	46	47	48	56	57	58	59
Rated Power Input	kW	0.89	1.23	1.74	2.16	3.80	4.63	5.2	9.1
Rated Running Current	A	4.20	5.84	8.22	10.23	6.62	8.06	9.06	16
Max. Power Input	kW	1.3	1.9	2.6	3.5	5.7	6.1	7.6	13.5
Max. Running Current	A	6.0	8.4	11.8	15.8	10.2	11.0	13.5	24.4
Relative Humidity	%RH	40-100							
Temperature	°C	10-36							
Dimensions (L / W / H)	mm	560/400/720		640/480/790		910/760/1080		950/820/1210	
Shipping size	mm	575/415/805		655/495/1094		925/775/1384		965/835/1514	
Net Weight	kg	39/55	41/57	70/96	78/102	110/130	125/145	140/160	170/190
Condensation Pipe Diameter	mm	16				25			

A modern, two-story prefabricated house at night. The house features large glass windows and doors, revealing a well-lit interior with contemporary furniture, including a sofa, armchairs, and a coffee table. A staircase is visible on the left side of the ground floor. The house is situated next to a swimming pool, which reflects the lights from the house and the sky. The sky is a deep blue, suggesting twilight or early evening. The overall aesthetic is clean and minimalist.

15 PREFABRICATED SWIMMING POOLS

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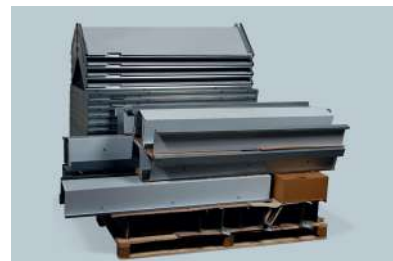
01 | MODULO 80

All installations require preparation, a structure, a frame, and a base. Aqua Industrial Group presents the 'MODULO 80'; a structure, designed and built in-house and the result of experience, knowledge and awareness, respecting all applicable regulations.

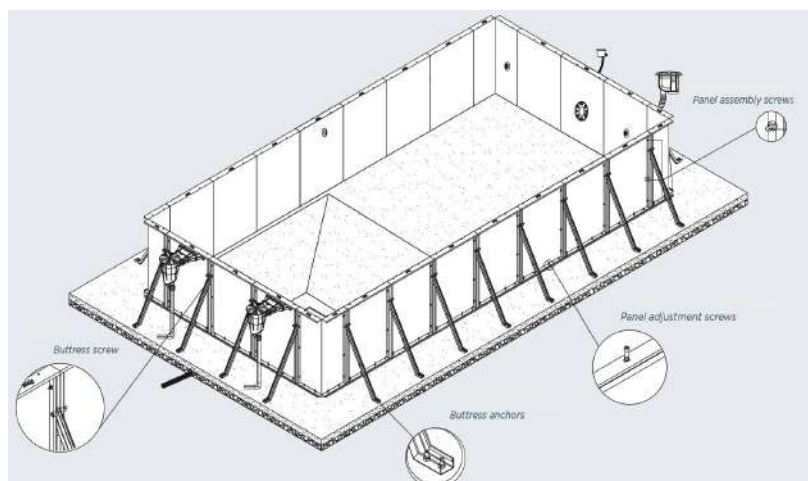
'MODULO 80' is a self-supporting structure, built specifically for the swimming pool market. Every single detail is designed to facilitate the work of the builder, and for this reason, our structure is made with a standard pitch of 80cm x 2mm including ribs, corners, bends to increase the structural strength, and back support; Blind holes have been included for features such as skimmers, lights and nozzles etc.

Adjustment screws allow the builder to create the perfect alignment when matching up the horizontal panels; and on the back support, there is a loop hole for positioning vertically. Furthermore, 'MODULO 80' lends itself to all the latest skimmer or overflow technology, with the possibility of alternative heights and options.

- Panel produced with steel alloy and magnesium
- Industrial production standard with pitch 80cm x 2mm thickness
- Heights available: 120cm, 130cm, 140cm and 150cm
- Structure: straight or free form
- Systems with skimmers or overflow
- Complete with holes, screws nuts, bolts etc.
- Adjustment with 2 screws for easy coupling
- Loop hole on back support for easy levelling
- Double gasket on ABS articles



CODE	DESCRIPTION
800120009I	
800120005	
800120006	
800800024B	Screw 12 x 20 zn br
800800025B	Screw m 12 x 60 zn br
800800002C	Nuts m 12 zn square
800800026C	Metal anchor bolt
800800023V	Screw m 8 x 60 zn
800800023S	2Mm spacer for adjustments



02 | MODULO 80 STRAIGHT H120

Straight 'Modulo 80' panels, designed to facilitate the construction of rectangular and polygonal pools with overflow edge or skimmer technology.

STRAIGHT MODULO 80 MAGNELIS PANELS 2 MM THICKNESS

CODE	DESCRIPTION
800120000IL	Flat panel without hole I80
800120060IL	Flat panel without hole I60
800120050IL	Flat panel without hole I50
800120040IL	Flat panel without hole I40
800120035IL	Flat panel without hole I35

STRAIGHT MAGNELIS PANEL 2 MM THICKNESS 120 CM HEIGHT WITH HOLE FOR ACCESSORIES

CODE	DESCRIPTION
800120002IL	Flat panel with overflow skimmer hole I 80
800120005IL	Flat panel with classic skimmer hole I 80
800120001IL	Flat panel with nozzle/spot light hole I80
800120003IL	Flat panel with classic light hole I 80
800120ASPIL	Flat panel for mud suction nozzle L80
800120006IL	Flat panel with counter-current swimming system hole I80
800120602IL	Flat panel with overflow skimmer hole I 60
800120605IL	Flat panel with classic skimmer hole I 60
800120601IL	Flat panel with nozzle/ Spot light hole I 60
800120A60IL	Flat panel with mud suction nozzle hole I 60
800120011IL	Flat panel with classic light hole I 60

CORNER MAGNELIS PANELS 2MM THICKNESS 120 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800120275ILD	Corner junction full panel I 40 x 40 RH
800120275ILS	Corner junction full panel I 40 x 40 LH

CORNER MAGNELIS PANELS 2MM THICKNESS 120 CM HEIGHT WITH HOLES FOR ACCESSORIES

CODE	DESCRIPTION
800120SK3IL	90° corner panel with sk. hole Corner 40 x 40 RH
800120090IL	Corner junction panel I 40 X 40 with inlet holes facilities RH
800120SK3ILLH	90° corner panel with sk. hole Corner 40 x 40 LH
800120090ILLH	Corner junction panel I 40 X 40 with inlet holes facilities LH

CORNER MAGNELIS PANELS 2MM THICKNESS 120 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800120270IL	270° corner panel without holes 40x40

CORNER MAGNELIS PANELS 2MM THICKNESS 120 CM HEIGHT WITH HOLES FOR ACCESSORIES

CODE	DESCRIPTION
80012027BLD	270° corner panel with hole for nozzle 40x40 RH
80012027BLS	270° corner panel with hole for nozzle 40x40 LH



03 | MODULO 80 FREEFORM H120

'Modulo 80' freeform panels allow the build of pools of any shape, with overflow edge or skimmer technology.

FREE FORM MAGNELIS PANELS 2 MM THICKNESS 120 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800120FEOIL	Free form panel without hole 180
800060FEOIL	Free form panel without hole 160
800040FEOIL	Free form panel without holes 140

STRAIGHT MAGNELIS PANEL 2 MM THICKNESS 120 CM HEIGHT WITH HOLE FOR ACCESSORIES

CODE	DESCRIPTION
800120FE2IL	Free form panel with overflow skimmer hole 180
800120FE5IL	Free form panel with classic skimmer hole 180
800120FE1IL	Free form panel with nozzle/spot light hole 180
800120FEPIL	Free form panel with mud suction nozzle hole 180
800120FE3IL	Free form panel with par 56 light hole 180
800120FE6IL	Free form panel with counter-current swimming system hole 180

BACK SUPPORT 2 MM THICKNESS FOR PANELS HEIGHT H 120

CODE	DESCRIPTION
800120007IL	Back support h120

04 | MODULO 80 STRAIGHT H140

Straight 'Modulo 80' panels are designed to facilitate the construction of rectangular and polygonal pools with overflow edge or skimmer technology

STRAIGHT MAGNELIS PANELS 2 MM THICKNESS 140 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800140000IL	Flat panel without hole I80
800140060IL	Flat panel without hole I60
800140050IL	Flat panel without hole I50
800140040IL	Flat panel without hole I40
800140035IL	Flat panel without hole I35

STRAIGHT MAGNELIS PANEL 2 MM THICKNESS 140 CM HEIGHT WITH HOLE FOR ACCESSORIES

CODE	DESCRIPTION
800140002IL	Flat panel with overflow skimmer hole I 80
800140005IL	Flat panel with classic skimmer hole I 80
800140001IL	Flat panel with nozzle/spot light hole I80
800140003IL	Flat panel with classic light hole I 80
800140ASPIL	Flat panel for mud suction nozzle L80
800140006IL	Flat panel with counter-current swimming system hole I80
800140602IL	Flat panel with overflow skimmer hole I 60
800140605IL	Flat panel with classic skimmer hole I 60
800140601IL	Flat panel with nozzle / Spot light hole I 60
800140A60IL	Flat panel with mud suction nozzle hole I 60
800140011IL	Flat panel with classic light hole I 60

CORNER MAGNELIS PANELS 2MM THICKNESS 140 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800140275ILD	Corner junction full panel I 40 x 40 RH
800140275ILS	Corner junction full panel I 40 x 40 LH

CORNER MAGNELIS PANELS 2MM THICKNESS 140 CM HEIGHT WITH HOLES FOR ACCESSORIES

CODE	DESCRIPTION
800140SK3IL	90° corner panel with sk. hole Corner 40 x 40 RH
800140090IL	Corner junction panel 40 X 40 with inlet hole facilities RH
800140SK3ILLH	90° corner panel with sk. hole Corner 40 x 40 LH
800140090ILLH	Corner junction panel 80 with inlet hole facilities LH

CORNER MAGNELIS PANELS 2MM THICKNESS 140 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800140270IL	270° corner panel without holes 40 x 40

CORNER MAGNELIS PANELS 2MM THICKNESS 140 CM HEIGHT WITH HOLES FOR ACCESSORIES

CODE	DESCRIPTION
80014027BLD	270° corner panel with hole for nozzle 40 x 40 RH
80014027BLS	270° corner panel with hole for nozzle 40 x 40 LH



05 | MODULO 80 FREEFORM H140

'Modulo 80' freeform panels allow building pools of any shape, with overflow edge or skimmer technology

FREE FORM MAGNELIS PANELS 2 MM THICKNESS 140 CM HEIGHT WITHOUT HOLES

CODE	DESCRIPTION
800140FEOIL	Free form panel without hole 180
800460FEOIL	Free form panel without hole 160
800440FEOIL	Free form panel without holes 140

STRAIGHT MAGNELIS PANEL 2 MM THICKNESS 140 CM HEIGHT WITH HOLE FOR ACCESSORIES

CODE	DESCRIPTION
800140FE2IL	Free form panel with overflow skimmer hole 180
800140FE5IL	Free form panel with classic skimmer hole 180
800140FE1IL	Free form panel with nozzle/spot light hole 180
800140FEPIL	Free form panel with mud suction nozzle hole 180
800140FE3IL	Free form panel with par 56 light hole 180
800140FE6IL	Free form panel with counter-current swimming system hole 180

BACK SUPPORT 2 MM THICKNESS FOR PANELS HEIGHT H 140

CODE	DESCRIPTION
800140007IL	Back support h140

06 | OVERFLOW REGULA

DESCRIPTION

The overflow edge channel REGULA is a new product by Aqua Pool Division, which can be easily used with 'MODULO 80' panels. The Depth of the overflow channel can be adjusted from 17cm up to 25cm and can be installed with a slight slope towards the drains (125) to obtain a higher flow rate. Manifolds can be installed near the compensation tank to save time and materials. The adjustable overflow channel can be matched with stone grids with overflow over the grid and under the edge, or with a traditional 25cm grid. It must be lined with PVC sheet to guarantee waterproofing.



STRAIGHT OVERFLOW CHANNEL REGULA WITHOUT DRAIN

CODE	DESCRIPTION
802100005	Straight overflow channel 2 m
802100006	Straight overflow channel 1.5 m
802100007	Straight overflow channel 1 m
802100008	Straight overflow channel 0.5 m

STRAIGHT OVERFLOW CHANNEL REGULA WITH DRAIN D.125

CODE	DESCRIPTION
802100161	Straight overflow channel 2 m
802100166	Straight overflow channel 1.5 m
802100163	Straight overflow channel 1 m

CORNER OVERFLOW CHANNEL REGULA WITHOUT DRAIN

CODE	DESCRIPTION
802100013	90° corner overflow channel 50 x 50
802100015	270° inverted corner overflow channel 50 x 50

FREE FORM OVERFLOW CHANNEL REGULA

CODE	DESCRIPTION
802100010	Free form overflow channel m 1
802100011	Free form overflow channel m 0.4

ACCESSORIES FOR REGULA OVERFLOW CHANNEL

CODE	DESCRIPTION
802100016	Overflow channel support bracket
802100017	RH channel cap
802100018	LH channel cap
802100021	Self-drilling ultra low head screw 4.2 x 13 for fastenings
800100176	Drilled plate for drain d.125

07 | PERIMETER EDGE



CODE	DESCRIPTION	CODE	DESCRIPTION
400400150	Straight white smooth edge l 60 cm	400400174	Radial edge r.3.50 L 55cm
400400151	Straight white smooth edge l 30 cm	400400175	Radial edge r.4.00 L 55cm
400400152	90° corner white smooth edge l 0.10 X 0.10 cm	400400176	Radial edge r.4.50 L 56cm
400400153	270° corner white smooth edge l 0.40 X 0.40 cm	400400177	Radial edge r.5.00 L 57cm
400400154	Roman step corner white smooth edge RH l 0.30 X 0.37 cm	400400178	Radial edge r.5.50 L 57cm
400400155	Roman step corner white smooth edge LH l 0.30 X 0.37 cm	400400179	Radial edge r.6.00 L 57cm
400400160	Radial edge r.0.15L 25cm	400400190	Inverted radial edge r.0.50 L 61 cm
400400161	Radial edge r.0.25 L 27 cm	400400191	Inverted radial edge r.1.00 L 61 cm
400400162	Radial edge r.0.50 L 39 cm	400400192	Inverted radial edge r.1.50 L 61 cm
400400163	Radial edge r.0.75 L 42cm	400400193	Inverted radial edge r.2.00 L 61 cm
400400164	Radial edge r.1.00 L 46 cm	400400194	Inverted radial edge r.2.50 L 61 cm
400400165	Radial edge r.1.25 L 48 cm	400400195	Inverted radial edge r.3.00 L 61 cm
400400166	Radial edge r.1.50 L 49 cm	400400196	Inverted radial edge r.3.50 L 61 cm
400400167	Radial edge r.1.60 L 50 cm	400400197	Inverted radial edge r.4.00 L 61 cm
400400168	Radial edge r.1.80 L 51 cm	400400198	Inverted radial edge r.4.50 L 61 cm
400400169	Radial edge r.2.00 L 52 cm	400400199	Inverted radial edge r.5.00 L 61 cm
400400170	Radial edge r.2.30 L 53 cm	400400200	Inverted radial edge r.5.50 L 61 cm
400400171	Radial edge r.2.50 L 53 cm	400400201	Inverted radial edge r.6.00 L 61 cm
400400172	Radial edge r.2.75 L 54cm	400490001	Sanding process supplement
400400173	Radial edge r.3.00 L 54cm	400490002	Colour variant supplement



SWIMMING POOL QUOTATION FORM

DATA _____ AQUA COMMERCIAL REF. _____

CUSTOMER _____ CUSTOMER REFERENCE _____

SWIMMING POOL SPECIFICATIONS

HOT TO INSTALL

☐ Under floor level ☐ Over floor level

TYPE _____ OVERALL SIZE _____ HEIGHT _____

LADDER TYPE ☐ Square Length.mt _____ ☐ Round Rradius.mt _____

COATING TYPE ☐ PVC Liner Type _____ Color _____ ☐ Tiles ☐ Edge Type _____

CIRCULATION

☐ SKIMMER Type: ☐ Overflow ☐ Angular ☐ Classic QTY _____

☐ OVER FLOW ☐ Inlet QTY _____ ☐ Vacuum Inlet QTY _____ ☐ Whirlpool Inlet QTY _____

☐ FILTRATION ☐ Assembled Kit ☐ Bunker ☐ Single-Phase ☐ Three-Phase Note _____

☐ ELECTRIC PANEL ☐ T. Control _____ ☐ Classic _____

LIGHTING

☐ WHITE LED ☐ 720 Lumen ☐ 1800 Lumen ☐ 3700 Lumen QTY _____

☐ RGB LED ☐ 1015 Lumen ☐ 3500 Lumen QTY _____

☐ WHITE/BLUE LED ☐ 1500 Lumen QTY _____

☐ WHITE SPOT LED ☐ 200 Lumen ☐ 600 Lumen QTY _____

☐ RGB SPOT LED QTY _____

☐ 300W LIGHT ☐ 4500 lumen QTY _____

☐ WHITE/BLUE SPOT LED QTY _____



BUNKER-KIT QUOTATION FORM

DATA _____ AQUA COMMERCIAL REF. _____

CUSTOMER _____ CUSTOMER REFERENCE _____

TYPE

☐ Easy 1 & 2 Polyethylene
 ☐ Easy 3&4&5 Fiber Glass Bunker
 ☐ Pre-Assembled Kitbunker
☐ Frontal Group Ø
 ☐ Whirlpool Kit
 ☐ Other _____

TECHNICAL FEATURES

☐ FILTER TYPE	Ø _____ N° _____	☐ OVERFLOW TANK	Ø _____ N° _____
☐ PUMP TYPE	Ø _____ N° _____	☐ EXTERNAL BY-PASS	Ø _____ N° _____
☐ INLETS	Ø _____ N° _____	☐ INTERNAL BY-PASS	Ø _____ N° _____
☐ SKIMMERS	Ø _____ N° _____	☐ CHLORINE GENERATOR	M3 _____ Type _____
☐ DRAINS	Ø _____ N° _____	☐ HEAT EXCHANGER	Kcal _____ Type _____
☐ VACUUM INLETS	Ø _____ N° _____	☐	_____

☐ WHIRLPOOL PUMP	kW _____ Type _____	☐ SUCTION	Ø _____ N° _____
☐ BLOW PUMP	kW _____ Type _____	☐ OUTLET	Ø _____ N° _____
☐ T CONTROL ELECTRIC PANEL	_____	☐ ELETRIC PANEL	_____
☐ POWER TRANSFORMER	_____ Type _____	☐ WHIRLPOOL CONTROL BOX	_____

Note _____

DIAGRAM



A high-angle photograph of a modern swimming pool. The pool is lined with blue mosaic tiles and filled with clear water. Along the edge of the pool, there is a wide wooden deck made of light-colored planks. Several wooden lounge chairs with metal frames are positioned at an angle along the pool's edge. Each chair has a rolled-up white towel resting on it. In the upper left corner, a long, dark brown cushion lies on the deck. The background shows some green foliage. A large, semi-transparent blue circle is visible in the bottom right corner of the image.

16 FIBERGLASS SWIMMING POOLS

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FIBERGLASS COMPOSITE TECHNOLOGY

CHOOSE YOUR MODEL



CITY POOL
475x243x135cm
Weight: 400 kg



WANAKA 850
850x370x150cm
Weight: 920 kg



KORO
500x265x140 cm
Weight: 400 kg



WANAKA 1000
1000x370x150cm
Weight: 1050 kg



WANAKA 650
650x330x150cm
Weight: 650 kg



WANAKA 750
750x370x150cm
Weight: 820 kg

THE LUXURY POOLS

✓ Technical features

- Our fibreglass pools are especially suited for severe climate conditions due to their resistance to big temperature changes
- All layers are of the highest quality and sourced from world famous producers
- Our pools can be stacked inside each other so transportation costs are reduced



CHOOSE YOUR COLOUR

SOLID "GELCOAT" SURFACES:



Snow White



Adria Blue



Pacific Blue



Dusty Greyblue

"3D ULTRA GRANICOAT" SURFACES:



Blue Belle



Seaside Blue



Sparkle Blue



Blue Ocean



Almond



Desert Sand



Black Pearl



Granite Pearl



Dark Nightpearl

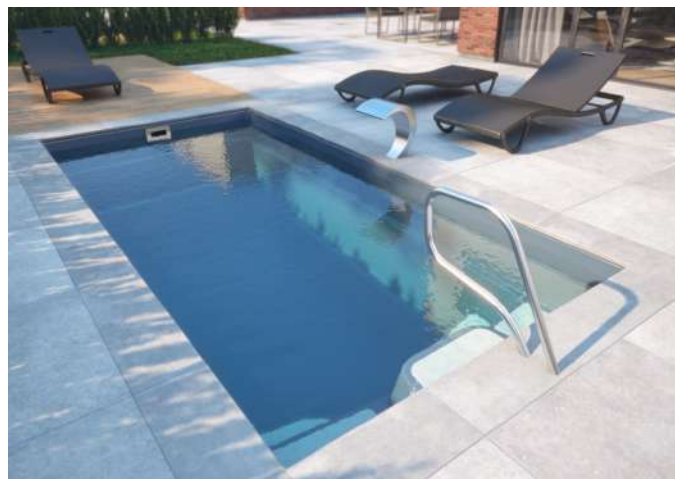


01 | FIBERGLASS SWIMMING POOL MODEL "CITY POOL"

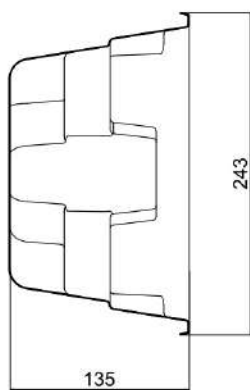
luxepools

✓ Technical features

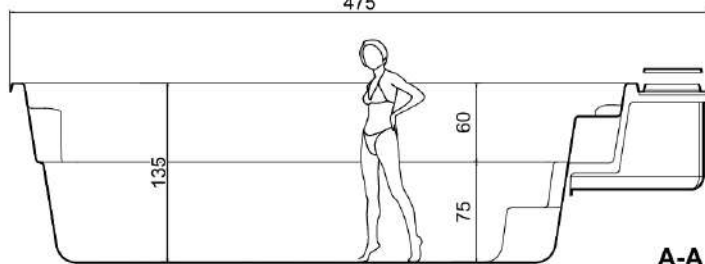
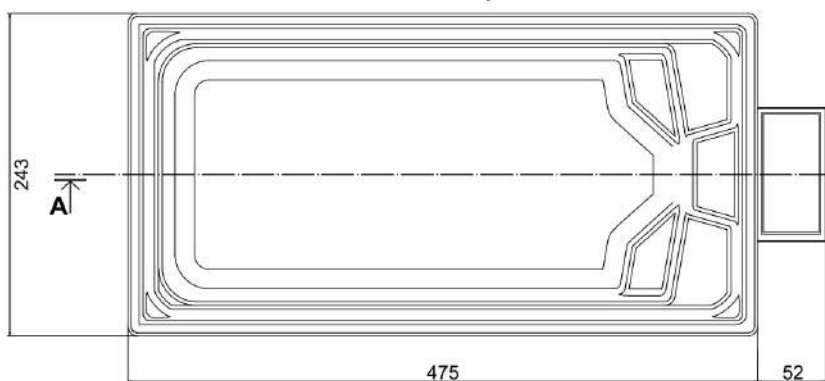
- Ideal for transportation as it can fit inside a closed container
- Can be used as a swim spa or pool for limited spaces,
- Includes a build-in box for mechanical equipment
- Dimensions: 475cm x 243cm x 135cm
- Weight: 400kg



📐 Dimensions



B-B



A-A

02 | FIBERGLASS SWIMMING POOL MODEL "KORO"

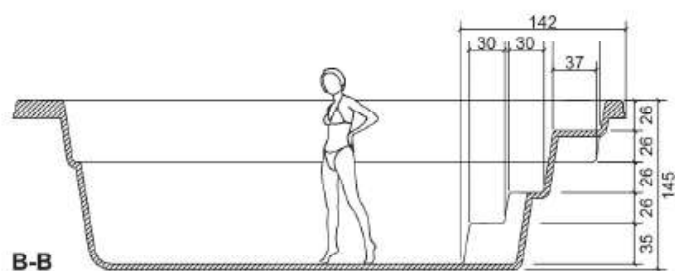
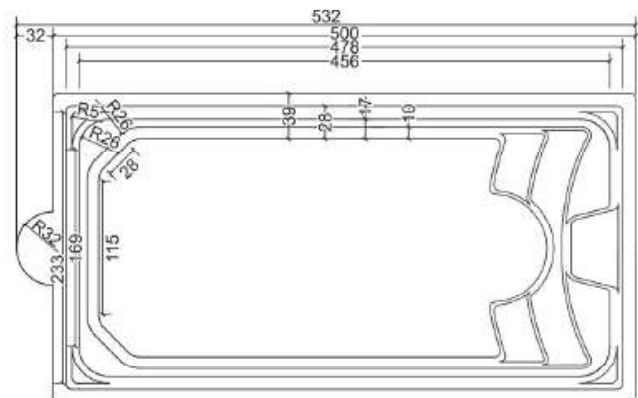
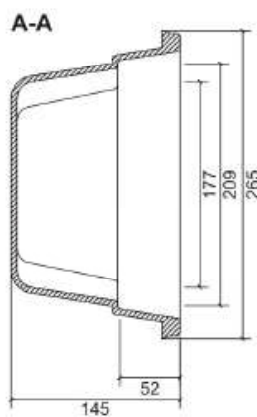
luxepools

✓ Technical features

- Delivered with double sided steps to perfectly fit into any garden
- Can be easily used as a swim spa
- Dimensions: 500cm x 265cm x 140cm
- Weight: 400kg



📏 Dimensions





03 | FIBERGLASS SWIMMING POOL MODEL "WANAKA 650"

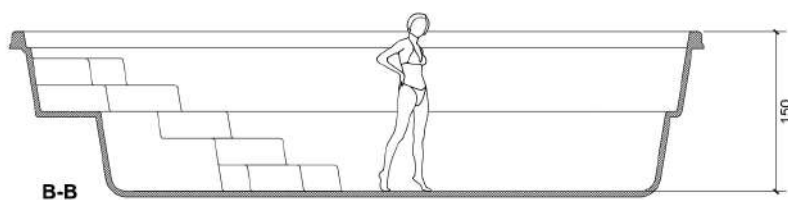
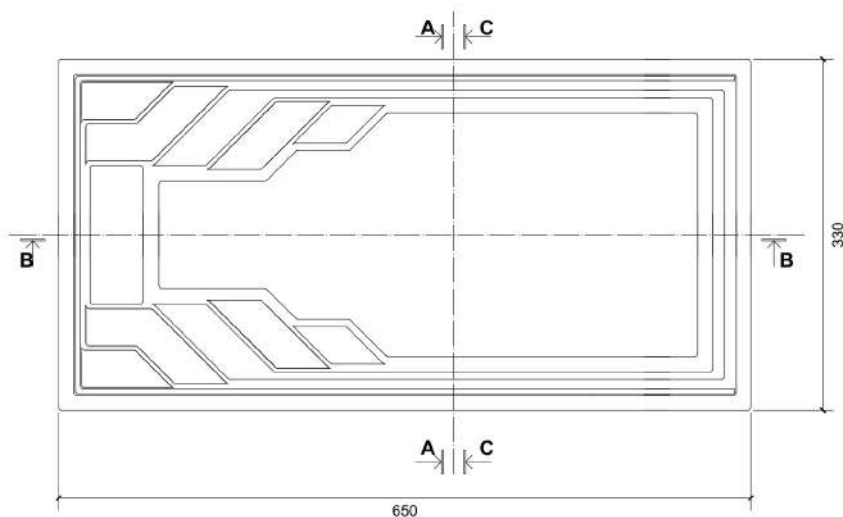
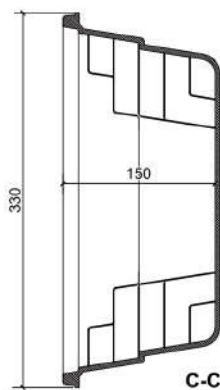
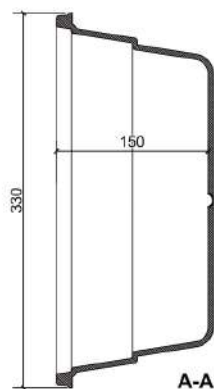
luxe pools

✓ Technical features

- Modern style rectangular pool with two sides of 5 wide steps
- This pool can be supplied with a slat cover system
- Dimensions: 650cm x 330cm x 150cm
- Weight: 650kg



📐 Dimensions



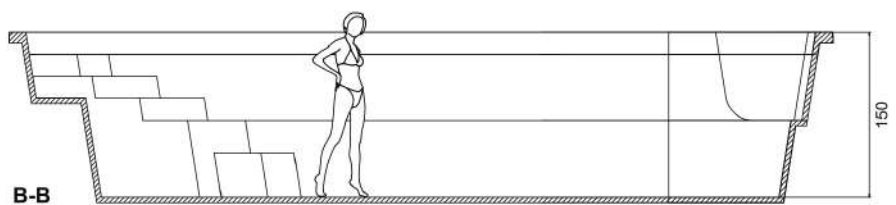
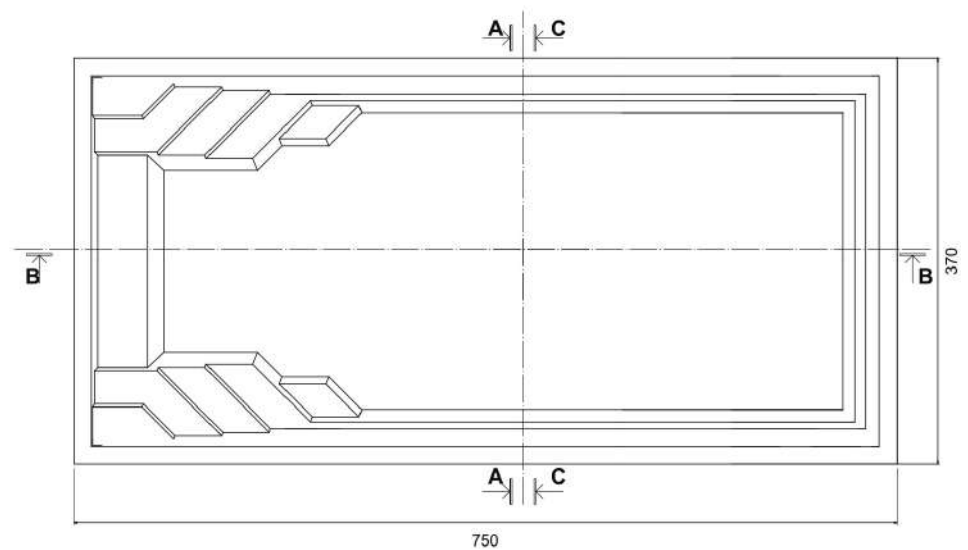
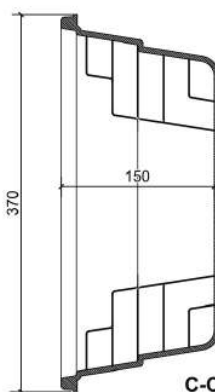
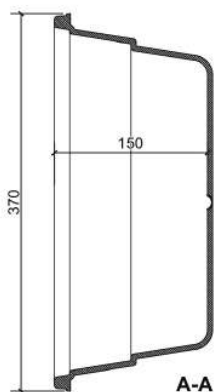
04 | FIBERGLASS SWIMMING POOL MODEL "WANAKA 750"

✓ Technical features

- Modern style rectangular pool with two sides of 5 wide steps
- This pool can be supplied with a slat cover system
- Dimensions: 750cm x 370cm x 150cm
- Weight: 820kg



📐 Dimensions





05 | FIBERGLASS SWIMMING POOL MODEL "WANAKA 850"

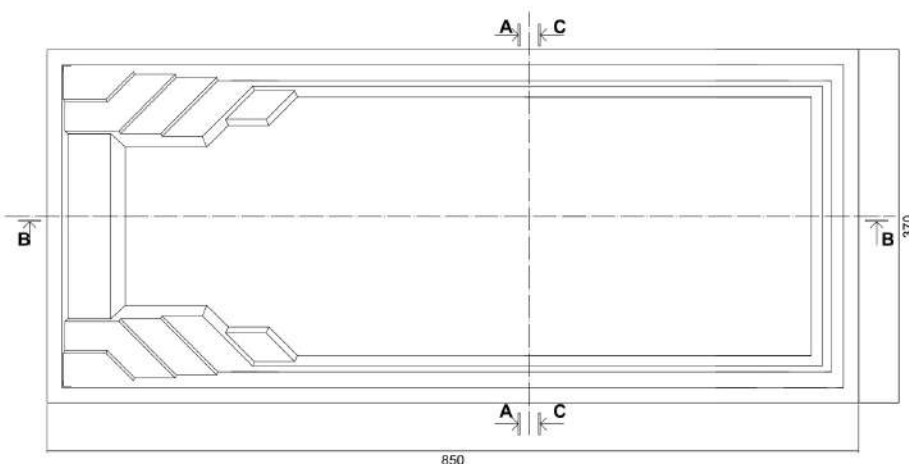
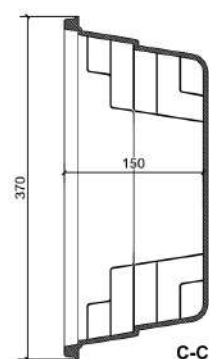
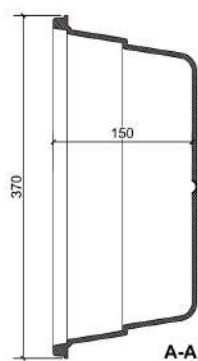
luxe pools

✓ Technical features

- Modern style rectangular pool with two sides of 5 wide steps
- This pool can be supplied with a slat cover system
- Dimensions: 850cm x 370cm x 150cm
- Weight: 920kg



📐 Dimensions



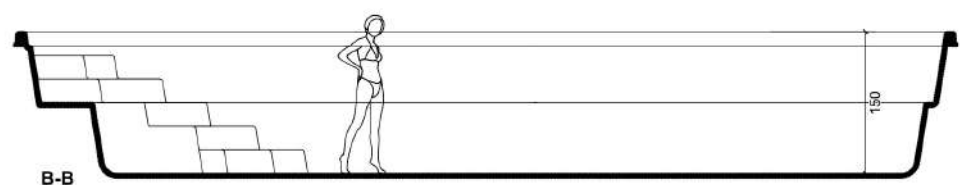
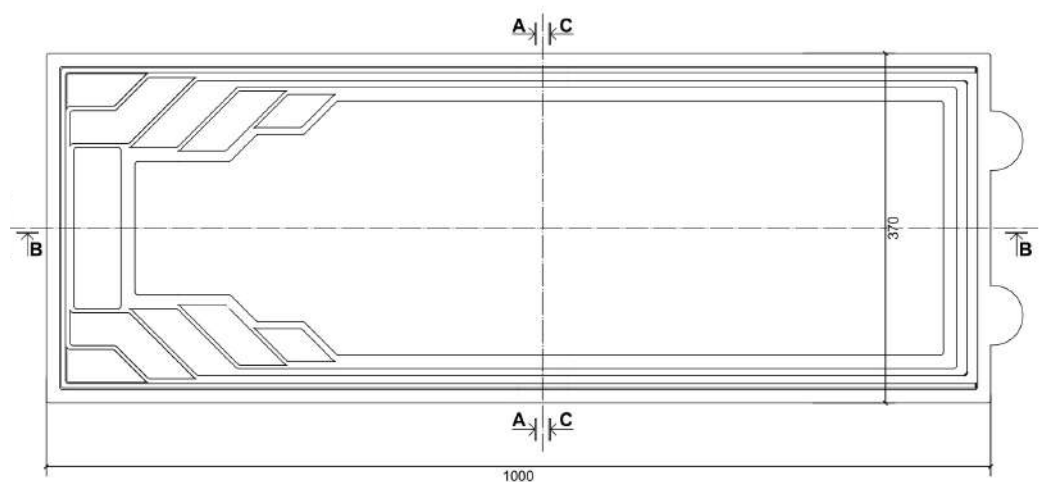
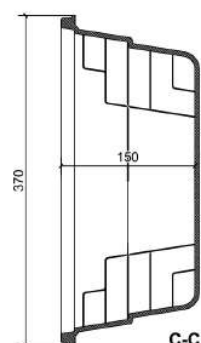
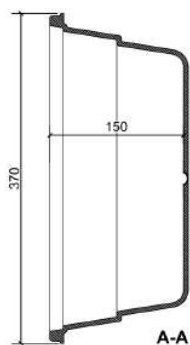
06 | FIBERGLASS SWIMMING POOL MODEL "WANAKA 1000"

✓ Technical features

- Modern style rectangular pool model with two sides of 5 wide steps
- This pool can be supplied with a slat cover system
- Dimensions: 850cm x 370cm x 150cm
- Weight: 920kg



📏 Dimensions





INSTALLATION

Before any pool installation, please consult your building specialist for pool installation in your territory. In cases when soil is unstable or specifically when there is a downhill or other nonstandard situation, additional soil and pool reinforcements, indicated by the building specialist, may be required.

- Before digging the hole, determine where the pool will be located
- Be sure there is enough space for delivery of your pool. There has to be an approach road wide enough, and the possibility of a crane to unload the pool into the prepared location.
- The width of the hole has to be 300mm wider than the width of the external walls of the pool. The depth of the hole has to match the requirements stated in the instructions
- The pool base requires a drainage layer of crushed stone.
- We recommend lining the walls and base of the pool with GEOTEXTILE - in that way the new soil will be separated from the old soil
- Perform the installation of the pool equipment including connecting the water assembly, water filling details, projector and so on
- Connect tubing and electrical systems.
- If the pool is not covered with heat isolation material by the factory, we recommend covering it yourself, especially if the water will be heated
- Only when all tubing elements are connected, can you fill the pool with water.
- IMPORTANT! When filling the external areas of the pool, please ensure the pool itself is filled with water, in parallel
- When adding the crushed stone, make sure that all gaps are completely filled, especially around the pool base and steps
- We recommend compressing the soil by watering and/or using spade or shank. If the hole was made much bigger than indicated by the instructions, all external parts has to be filled with crushed stone. Regular soil is not stable enough for filling



AQUA FIBERGLASS POOL GUARANTEE

All Aqua fiberglass pools are provided with 10-year warranty, subject to the pool being installed correctly according to the instructions manual:

1. The fiberglass pool has to be deepened into the ground for 135cm
2. If the pool is not supplied with a polyurethane foam cover by the factory, we recommend covering it with a 30mm thick sheet of polyurethane foam
3. The exterior of the pool has to be filled with crushed stone (8mm - 32mm), with a thickness of no less than 300mm from the pool wall
4. A 5cm layer of fine crushed stone is required to even out the surface
5. The pool foundation/base requires 300mm of thickness of crushed stone (8mm - 32mm)

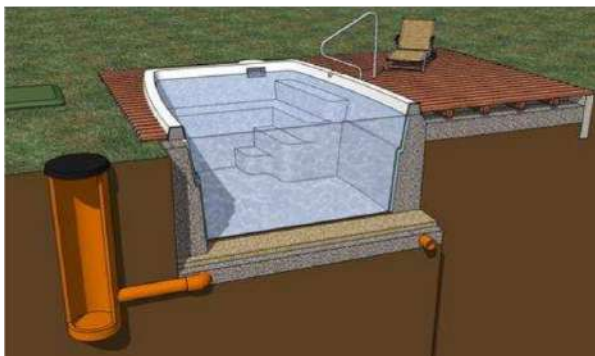
When filling the external areas around the pool, the pool itself has to be filled with water in parallel. During the filling process, the level of water has to be equal to the level of crushed stone with a deviation of no more than 10cm. The filling of the hole should start at the ends of the pool to ensure stability of pool.

When filling the external areas, watch the movement of the pool body at the widest point (to the outside or inside), allowing possible deviation of up to 5mm from original position. When lowering the pool into the hole, avoid any deformation of the pool body! During the filling of exterior areas with crushed stone, it is necessary to reinforce the body of the pool using across spokes.

ATTENTION!

When groundwater is high, drainage is required around the entire perimeter of the pool. If the client is not making a drainage system, the contractor is not responsible for any damage caused by groundwater. During the winter, the pool has to remain filled with water, with the added installation of ice separation sheets in the pool. The guarantee is not valid, if defects appear because of:

- Inappropriate care
- Inappropriate exploitation
- If the pool was left empty during the winter time
- The pool was built and installed without following the correct instructions



MAKING THE DRAINAGE:

When groundwater is high or there is a high risk of it (poor drainage caused by clay based soil) it is necessary to make a drainage system around the pool base. A drainage system will protect the body of the pool from potential deformations, caused by water movement around it.

Groundwater also has an impact on the pools water temperature.

Never drain the pool, until you are sure there is no groundwater in the soil!

We recommend making a drainage system by surrounding the pool with PVC drainage tubes

(with a Geotextile shell), and PVC drainage manholes.

Before preparing any drainage system, it is necessary to consult a specialist, who can advise on the various soils and needs corresponding to the correct drainage system and tube diameter.

If there is no natural drainage on the property, it is necessary to use a drainage pump. The lowest part of the drainage system has to be lower than the pool floor.

ATTENTION!

If the pool is drained for cleaning or any other maintenance, it has to be refilled with water right after the operation is complete. Do not leave an empty pool for longer than 1 day.

The pool has to be filled with water in any season, even if it is not in use.



- ① Fibreglass pool
- ② Polyurethane foam (30mm thickness, recommended)
- ③ Crushed stone (Min. 300mm thickness)
- ④ Fine gravel layer (5cm thickness)
- ⑤ Dense pillow of crushed stone (300mm thickness)
- ⑥ Honeycomb bottom
- ⑦ Drainage system
- ⑧ Concrete armed beam (30cm x 30cm)



17 PVC FITTINGS

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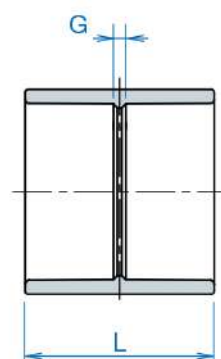


01 | COUPLING

SEKISUI

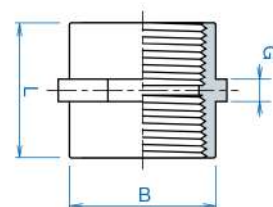
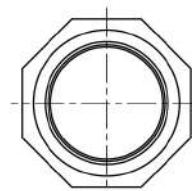
COUPLING S X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	G		
VS15	PVC COUPLING	1/2"	50	5.6	1	0.030
VS20	PVC COUPLING	3/4"	56	5.2	1	0.034
VS25	PVC COUPLING	1"	63	5.8	1	0.065
VS32	PVC COUPLING	1-1/4"	69	5.5	1	0.087
VS40	PVC COUPLING	1-1/2"	75	5.1	1	0.120
VS50	PVC COUPLING	2"	85	8.8	1	0.175
VS65	PVC COUPLING	2-1/2"	96	7.1	1	0.278
VS80	PVC COUPLING	3"	102	6.7	1	0.419
VS1H	PVC COUPLING	4"	123	8.7	1	0.604
VS1Q	PVC COUPLING	5"	144	8.0	1	1.067
VS1F	PVC COUPLING	6"	165	10.0	1	1.639
VS2H	PVC COUPLING	8"	216	10.0	1	3.333
VS2F	PVC COUPLING	10"	295	15.0	1	6.688
VS3H	PVC COUPLING	12"	330	20.0	1	9.967
VS3F	PVC COUPLING	14"	480	19.4	1	16.240
VS4H	PVC COUPLING	16"	538	28.0	1	24.190



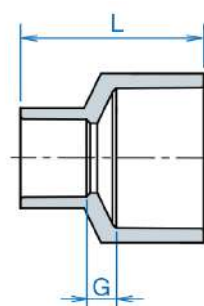
COUPLING (FT X FT)

CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			L	G	B		
VS15T	PVC COUPLING	1/2"	39.0	5.2	5.2	1	0.034
VS20T	PVC COUPLING	3/4"	47.0	5.8	5.8	1	0.065
VS25T	PVC COUPLING	1"	55.0	5.5	5.5	1	0.087
VS32T	PVC COUPLING	1-1/4"	55.0	5.1	5.1	1	0.120
VS40T	PVC COUPLING	1-1/2"	60.5	8.8	8.8	1	0.175
VS50T	PVC COUPLING	2"	87.0	7.1	7.1	1	0.278
VS65T	PVC COUPLING	2-1/2"	90.0	6.7	6.7	1	0.419
VS80T	PVC COUPLING	3"	90.0	8.7	8.7	1	0.604
VS1HT	PVC COUPLING	4"	96.0	8.0	8.0	1	1.067



COUPLING S X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	G		
VS201	REDUCING COUPLING	3/4" x 1/2"	53.5	5.9	1	0.035
VS252	REDUCING COUPLING	1" x 1/2"	60.0	9.2	1	0.053
VS251	REDUCING COUPLING	1" x 3/4"	60.0	6.0	1	0.052
VS323	REDUCING COUPLING	1-1/4" x 1/2"	68.0	14.0	1	0.076
VS322	REDUCING COUPLING	1-1/4" x 3/4"	68.0	10.9	1	0.074
VS321	REDUCING COUPLING	1-1/4" x 1"	68.0	7.7	1	0.076
VS404	REDUCING COUPLING	1-1/2" x 1/2"	75.0	17.9	1	0.108
VS403	REDUCING COUPLING	1-1/2" x 3/4"	75.0	14.7	1	0.110
VS402	REDUCING COUPLING	1-1/2" x 1"	75.0	11.5	1	0.115
VS401	REDUCING COUPLING	1-1/2" x 1/4"	75.0	8.0	1	0.108
VS505	REDUCING COUPLING	2" x 1/2"	83.0	8.3	1	0.153
VS504	REDUCING COUPLING	2" x 3/4"	83.0	22.7	1	0.140
VS503	REDUCING COUPLING	2" x 1"	83.0	19.5	1	0.135
VS502	REDUCING COUPLING	2" x 1/4"	83.0	16.3	1	0.146
VS501	REDUCING COUPLING	2-1/2" x 1/2"	93.0	13.2	1	0.180
VS652	REDUCING COUPLING	2-1/2" x 2"	93.0	10.0	1	0.224
VS651	REDUCING COUPLING	3" x 1"	106.0	29.8	1	0.242
VS805	REDUCING COUPLING	3" x 1-1/2"	106.0	23.4	1	0.346
VS803	REDUCING COUPLING	3" x 2"	106.0	20.3	1	0.360
VS801	REDUCING COUPLING	3" x 1-1/2"	106.0	13.9	1	0.394
VS1H3	REDUCING COUPLING	4" X 2"	125.0	29.8	1	0.607
VS1H2	REDUCING COUPLING	4" X 2-1/2"	125.0	23.4	1	0.584
VS1H1	REDUCING COUPLING	4" X 3"	125.0	20.2	1	0.652
VS1Q1	REDUCING COUPLING	5" X 4"	144.0	18.9	1	1.014
VS1F3	REDUCING COUPLING	6" X 3"	168.0	41.9	1	1.646
VS1F2	REDUCING COUPLING	6" X 4"	168.0	31.8	1	1.542
VS1F1	REDUCING COUPLING	6" X 5"	168.0	21.2	1	1.631
VS2H3	REDUCING COUPLING	8" X 4"	218.0	57.9	1	3.301
VS2H1	REDUCING COUPLING	8" X 6"	220.0	39.0	1	3.227
VS2F1	REDUCING COUPLING	10" X 8"	287.0	44.0	1	6.137
VS3H2	REDUCING COUPLING	12" X 8"	331.7	76.7	1	8.971
VS3H1	REDUCING COUPLING	12" X 10"	328.0	26.0	1	9.589
VS83F1	REDUCING COUPLING	14" X 12"	425.1	40.0	1	13.704
VS4H2	REDUCING COUPLING	16" X 12"	88.0	88.0	1	20.520
VS4H1	REDUCING COUPLING	16" X 14"	62.6	62.6	1	27.967



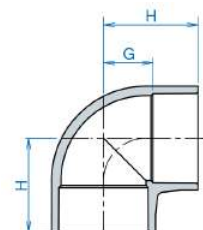


02 | ELBOW

SEKISUI

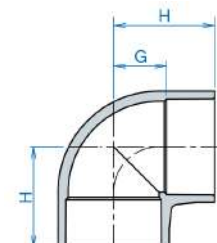
90° ELBOW S X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
V9L15	PVC 90DEGREE ELBOW	1/2"	15.3	37.5	1	0.040
V9L20	PVC 90DEGREE ELBOW	3/4"	17.1	42.5	1	0.049
V9L25	PVC 90DEGREE ELBOW	1"	21.4	50.0	1	0.100
V9L32	PVC 90DEGREE ELBOW	1-1/4"	26.3	58.0	1	0.153
V9L40	PVC 90DEGREE ELBOW	1-1/2"	30.1	65.0	1	0.202
V9L50	PVC 90DEGREE ELBOW	2"	35.9	74.0	1	0.295
V9L65	PVC 90DEGREE ELBOW	2-1/2"	44.6	89.0	1	0.506
V9L80	PVC 90DEGREE ELBOW	3"	53.4	101.0	1	0.842
V9L1H	PVC 90DEGREE ELBOW	4"	63.9	121.0	1	1.354
V9L1Q	PVC 90DEGREE ELBOW	5"	77.5	150.0	1	2.385
V9L1F	PVC 90DEGREE ELBOW	6"	93.2	173.0	1	3.853
V9L2H	PVC 90DEGREE ELBOW	8"	120.1	225.0	1	7.788
V9L2F	PVC 90DEGREE ELBOW	10"	150.0	290.0	1	13.642
V9L3H	PVC 90DEGREE ELBOW	12"	172.1	327.1	1	20.417
V9L3F	PVC 90DEGREE ELBOW	14"	197.0	426.6	1	28.292
V9L4H	PVC 90DEGREE ELBOW	16"	235.4	492.0	1	44.020



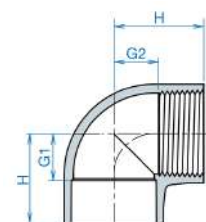
90° ELBOW (FT X FT)

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
V9L15T	PVC 90DEGREE ELBOW	1/2"	15.0	33.0	1	0.054
V9L20T	PVC 90DEGREE ELBOW	3/4"	17.0	35.0	1	0.074
V9L25T	PVC 90DEGREE ELBOW	1"	22.0	43.0	1	0.132
V9L32T	PVC 90DEGREE ELBOW	1-1/4"	26.3	52.3	1	0.217
V9L40T	PVC 90DEGREE ELBOW	1-1/2"	30.0	56.0	1	0.314
V9L50T	PVC 90DEGREE ELBOW	2"	36.0	63.0	1	0.471
V9L65T	PVC 90DEGREE ELBOW	2-1/2"	44.5	84.5	1	0.788
V9L80T	PVC 90DEGREE ELBOW	3"	52.0	94.0	1	1.440
V9L1HT	PVC 90DEGREE ELBOW	4"	63.5	108.0	1	2.363



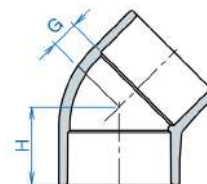
90° ELBOW S X FT

CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			G1	G2	H		
V9L15A	PVC 90DEGREE ELBOW	1/2"	15.3	19.5	37.5	1	0.040
V9L20A	PVC 90DEGREE ELBOW	3/4"	17.1	24.5	42.5	1	0.049
V9L25A	PVC 90DEGREE ELBOW	1"	21.4	28.0	50.0	1	0.087
V9L32A	PVC 90DEGREE ELBOW	1-1/4"	26.3	32.0	58.0	1	0.153
V9L40A	PVC 90DEGREE ELBOW	1-1/2"	30.1	39.0	65.0	1	0.202
V9L50A	PVC 90DEGREE ELBOW	2"	35.9	47.0	74.0	1	0.295
V9L65A	PVC 90DEGREE ELBOW	2-1/2"	44.6	49.0	89.0	1	0.506
V9L80A	PVC 90DEGREE ELBOW	3"	53.4	59.0	101.0	1	0.842
V9L1HA	PVC 90DEGREE ELBOW	4"	63.9	76.6	121.0	1	1.354



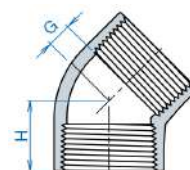
45° ELBOW S X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
V4L15	PVC 45DEGREE ELBOW	1/2"	7	29	1	0.033
V4L20	PVC 45DEGREE ELBOW	3/4"	9	34	1	0.044
V4L25	PVC 45DEGREE ELBOW	1"	8	37	1	0.070
V4L32	PVC 45DEGREE ELBOW	1-1/4"	11	43	1	0.111
V4L40	PVC 45DEGREE ELBOW	1-1/2"	12	47	1	0.142
V4L50	PVC 45DEGREE ELBOW	2"	17	55	1	0.235
V4L65	PVC 45DEGREE ELBOW	2-1/2"	20	64	1	0.392
V4L80	PVC 45DEGREE ELBOW	3"	24	72	1	0.633
V4L1H	PVC 45DEGREE ELBOW	4"	29	86	1	0.999
V4L1Q	PVC 45DEGREE ELBOW	5"	36	106	1	1.741
V4L1F	PVC 45DEGREE ELBOW	6"	41	120	1	2.816
V4L2H	PVC 45DEGREE ELBOW	8"	50	155	1	5.376
V4L2F	PVC 45DEGREE ELBOW	10"	60	207	1	9.960
V4L3H	PVC 45DEGREE ELBOW	12"	81	235	1	16.61
V4L3F	PVC 45DEGREE ELBOW	14"	101	329	1	23.18
V4L4H	PVC 45DEGREE ELBOW	16"	107	360	1	32.54



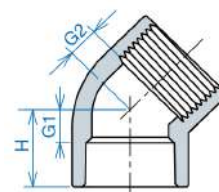
45° ELBOW FT X FT

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
V4L15T	PVC 45DEGREE ELBOW	1/2"	6.8	24.8	1	0.044
V4L20T	PVC 45DEGREE ELBOW	3/4"	8.5	26.5	1	0.063
V4L25T	PVC 45DEGREE ELBOW	1"	9.5	31.5	1	0.103
V4L32T	PVC 45DEGREE ELBOW	1-1/4"	11.3	37.3	1	0.160
V4L40T	PVC 45DEGREE ELBOW	1-1/2"	12.1	38.1	1	0.218
V4L50T	PVC 45DEGREE ELBOW	2"	17.0	44.0	1	0.326
V4L65T	PVC 45DEGREE ELBOW	2-1/2"	19.5	64.0	1	0.591
V4L80T	PVC 45DEGREE ELBOW	3"	24.0	72.0	1	1.012
V4L1HT	PVC 45DEGREE ELBOW	4"	28.5	86.0	1	1.640



45° ELBOW (S X FT)

CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			G1	G2	H		
V4L15TS	PVC 45DEGREE ELBOW	1/2"	6.8	8.5	24.0	1	0.033
V4L20TS	PVC 45DEGREE ELBOW	3/4"	8.6	4.4	34.0	1	0.044
V4L25TS	PVC 45DEGREE ELBOW	1"	8.4	10.4	37.0	1	0.070
V4L32TS	PVC 45DEGREE ELBOW	1-1/4"	11.3	15.7	43.0	1	0.111
V4L40TS	PVC 45DEGREE ELBOW	1-1/2"	12.1	16.5	47.0	1	0.142
V4L50TS	PVC 45DEGREE ELBOW	2"	16.4	21.1	55.0	1	0.207
V4L65TS	PVC 45DEGREE ELBOW	2-1/2"	14.6	33.8	64.0	1	0.342
V4L80TS	PVC 45DEGREE ELBOW	3"	24.4	38.5	72.0	1	0.633
V4L1HTS	PVC 45DEGREE ELBOW	4"	28.9	50.5	86.0	1	0.444



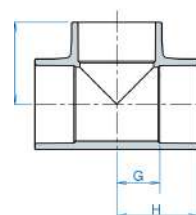


03 | TEE

SEKISUI

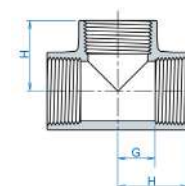
TEE S X S X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
VT15	PVC TEE	1/2"	15.3	37.5	1	0.055
VT20	PVC TEE	3/4"	17.1	42.5	1	0.071
VT25	PVC TEE	1"	21.4	50.0	1	0.115
VT32	PVC TEE	1-1/4"	26.3	58.0	1	0.201
VT40	PVC TEE	1-1/2"	30.1	65.0	1	0.257
VT50	PVC TEE	2"	35.9	74.0	1	0.388
VT65	PVC TEE	2-1/2"	44.6	89.0	1	0.676
VT80	PVC TEE	3"	53.4	101.0	1	1.102
VT1H	PVC TEE	4"	63.9	121.0	1	1.726
VT1Q	PVC TEE	5"	79.5	147.5	1	2.930
VT1F	PVC TEE	6"	94.6	173.0	1	4.721
VT2H	PVC TEE	8"	122.0	225.0	1	9.802
VT2F	PVC TEE	10"	150.0	290.0	1	16.646
VT3H	PVC TEE	12"	181.8	330.0	1	25.830
VT3F	PVC TEE	14"	197.8	426.6	1	38.860
VT4H	PVC TEE	16"	236.2	492.0	1	58.690



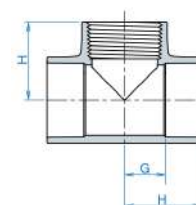
TEE FT X FT X FT

CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
VT15T	PVC TEE	1/2"	16.7	33.0	1	0.072
VT20T	PVC TEE	3/4"	18.5	35.0	1	0.099
VT25T	PVC TEE	1"	22.4	43.0	1	0.164
VT32T	PVC TEE	1-1/4"	30.7	52.3	1	0.272
VT40T	PVC TEE	1-1/2"	34.4	56.0	1	0.365
VT50T	PVC TEE	2"	40.1	63.0	1	0.553
VT65T	PVC TEE	2-1/2"	58.8	89.0	1	0.946
VT80T	PVC TEE	3"	68.0	101.0	1	1.614
VT1HT	PVC TEE	4"	86.0	121.0	1	2.550



TEE S X S X FT

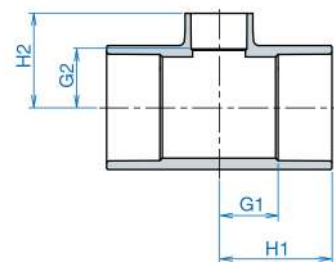
CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			G	H		
VT15A	PVC TEE	1/2"	15.3	37.5	1	0.055
VT20A	PVC TEE	3/4"	17.1	42.5	1	0.071
VT25A	PVC TEE	1"	21.4	50.0	1	0.115
VT32A	PVC TEE	1-1/4"	26.3	58.0	1	0.201
VT40A	PVC TEE	1-1/2"	30.1	65.0	1	0.257
VT50A	PVC TEE	2"	35.9	74.0	1	0.388
VT65A	PVC TEE	2-1/2"	44.6	89.0	1	0.676
VT80A	PVC TEE	3"	53.4	101.0	1	1.102
VT1HA	PVC TEE	4"	63.9	121.0	1	1.726



04 | REDUCING TEE

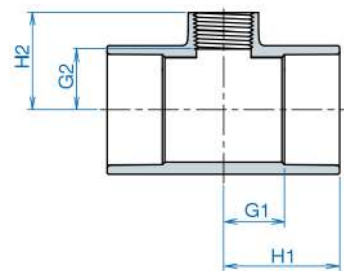
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REDUCING TEE S X S



CODE	DESCRIPTIONS	SIZE	DIMENSIONS				PACKING	WEIGHT
			G1	G2	H1	H2		
VT201	PVC REDUCING TEE	3/4 x 1/2"	17.1	17.5	42.5	40.0	1	0.067
VT252	PVC REDUCING TEE	1" x 1/2"	21.4	21.5	50.0	44.0	1	0.107
VT251	PVC REDUCING TEE	1" x 3/4"	21.4	21.5	50.0	46.0	1	0.109
VT323	PVC REDUCING TEE	1-1/4" x 1/2"	26.3	26.5	58.0	48.0	1	0.170
VT322	PVC REDUCING TEE	1/4" X 3/4"	26.3	26.5	58.0	52.0	1	0.172
VT321	PVC REDUCING TEE	1/4" X 1"	26.3	26.5	58.0	52.0	1	0.178
VT404	PVC REDUCING TEE	1/2" X 1/2"	30.1	30.0	65.0	52.0	1	0.223
VT403	PVC REDUCING TEE	1/2" X 3/4"	30.1	30.0	65.0	55.0	1	0.226
VT402	PVC REDUCING TEE	1/2" X 1"	30.1	30.0	65.0	58.0	1	0.255
VT401	PVC REDUCING TEE	1/2" X 1-1/4"	30.1	30.0	65.0	62.0	1	0.267
VT505	PVC REDUCING TEE	2" X 1/2"	35.9	36.5	74.0	58.0	1	0.314
VT504	PVC REDUCING TEE	2" X 3/4"	35.9	36.5	74.0	61.0	1	0.316
VT503	PVC REDUCING TEE	2" X 1"	35.9	36.5	74.0	66.0	1	0.358
VT502	PVC REDUCING TEE	2" X 1-1/4"	35.9	36.5	74.0	68.0	1	0.369
VT501	PVC REDUCING TEE	2" X 1-1/2"	35.9	36.5	74.0	71.0	1	0.379
VT652	PVC REDUCING TEE	2-1/2" X 1-1/2"	44.6	44.0	89.0	77.0	1	0.596
VT651	PVC REDUCING TEE	2-1/2" X 2"	44.6	44.0	89.0	82.0	1	0.595
VT803	PVC REDUCING TEE	3" X 1-1/2"	53.4	53.4	101.0	85.0	1	0.909
VT802	PVC REDUCING TEE	3" X 2"	53.4	53.5	101.0	90.0	1	0.935
VT801	PVC REDUCING TEE	3" X 2-1/2"	53.4	53.5	101.0	97.0	1	0.970
VT1H3	PVC REDUCING TEE	4" X 2"	63.9	66.5	121.0	101.0	1	1.483
VT1H2	PVC REDUCING TEE	4" X 2-1/2"	63.9	66.5	121.0	108.0	1	1.481
VT1H1	PVC REDUCING TEE	4" X 3"	63.9	66.5	121.0	115.5	1	1.541
VT1Q1	PVC REDUCING TEE	5" X 4"	79.5	81.0	147.5	136.0	1	2.790
VT1F3	PVC REDUCING TEE	6" X 3"	94.8	96.0	173.0	143.0	1	4.240
VT1F2	PVC REDUCING TEE	6" X 4"	94.8	96.0	173.0	152.0	1	4.320
VT1F1	PVC REDUCING TEE	6" X 5"	94.6	96.0	173.0	165.0	1	4.510
VT2H4	PVC REDUCING TEE	8" X 3"	122.0	123.5	225.0	172.0	1	8.420
VT2H3	PVC REDUCING TEE	8" X 4"	122.0	123.5	225.0	180.0	1	8.550
VT2H1	PVC REDUCING TEE	8" X 6"	122.0	123.5	225.0	202.6	1	8.915
VT2F4	PVC REDUCING TEE	10" X 4"	150.0	153.5	290.0	210.0	1	14.285
VT2F1	PVC REDUCING TEE	10" X 8"	150.0	153.5	290.0	261.0	1	15.440
VT3H5	PVC REDUCING TEE	12" X 4"	175.0	181.5	330.0	240.5	1	21.940
VT3H2	PVC REDUCING TEE	12" X 8"	175.0	181.5	330.0	286.0	1	22.550
VT3H1	PVC REDUCING TEE	12" X 10"	175.0	181.5	330.0	331.2	1	24.475
VT3F1	PVC REDUCING TEE	14" X 12"	198.0	197.0	426.6	359.5	1	38.530
VT4H2	PVC REDUCING TEE	16" X 12"	238.0	225.0	492.6	418.4	1	53.100
VT4H1	PVC REDUCING TEE	16" X 14"	238.0	225.5	492	492.0	1	56.110

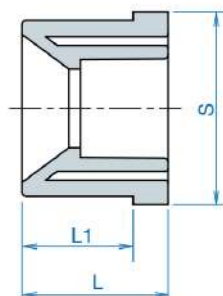
REDUCING TEE S X S X FT



CODE	DESCRIPTIONS	SIZE	DIMENSIONS				PACKING	WEIGHT
			G1	G2	H1	H2		
VB201A	PVC REDUCING TEE	3/4" X 1/2"	17.10	17.78	42.5	40.0	1	0.067
VB252A	PVC REDUCING TEE	1" X 1/2"	21.42	21.78	50.0	44.0	1	0.107
VB251A	PVC REDUCING TEE	1" X 3/4"	21.42	20.60	50.0	46.0	1	0.109
VB323A	PVC REDUCING TEE	1-1/4" X 1/2"	26.25	25.78	58.0	48.0	1	0.170
VB322A	PVC REDUCING TEE	1-1/4" X 3/4"	26.25	26.60	58.0	52.0	1	0.172
VB321A	PVC REDUCING TEE	1-1/4" X 1"	26.25	25.42	58.0	54.0	1	0.178
VB404A	PVC REDUCING TEE	1-1/2" X 1/2"	30.07	29.78	65.0	52.0	1	0.223
VB403A	PVC REDUCING TEE	1-1/2" X 3/4"	30.07	29.60	65.0	55.0	1	0.226
VB402A	PVC REDUCING TEE	1-1/2" X 1"	30.07	29.42	65.0	58.0	1	0.231
VB401A	PVC REDUCING TEE	1-1/2" X 1-1/4"	30.07	30.25	65.0	62.0	1	0.241
VB505A	PVC REDUCING TEE	2" X 1/2"	35.90	35.78	74.0	58.0	1	0.314
VB504A	PVC REDUCING TEE	2" X 3/4"	35.90	35.60	74.0	61.0	1	0.316
VB503A	PVC REDUCING TEE	2" X 1"	35.90	37.42	74.0	66.0	1	0.326
VB502A	PVC REDUCING TEE	2" X 1-1/4"	35.90	36.25	74.0	68.0	1	0.338
VB501A	PVC REDUCING TEE	2" X 1-1/2"	35.90	42.07	74.0	71.0	1	0.349
VB652A	PVC REDUCING TEE	2 1/2" X 1-1/2"	44.45	42.07	89.0	77.0	1	0.596
VB651A	PVC REDUCING TEE	2 1/2" X 2"	44.45	43.90	89.0	82.0	1	0.617
VB803A	PVC REDUCING TEE	3" X 1-1/2"	53.37	50.07	101.0	85.0	1	0.794
VB802A	PVC REDUCING TEE	3" X 2"	53.37	51.90	101.0	90.0	1	0.819
VB801A	PVC REDUCING TEE	3" X 2-1/2"	53.37	52.55	101.0	97.0	1	0.858
VB1H3A	PVC REDUCING TEE	4" X 2"	63.85	62.90	121.0	101.0	1	1.483
VB1H2A	PVC REDUCING TEE	4" X 2-1/2"	63.85	63.55	121.0	108.1	1	1.481
VB1H1A	PVC REDUCING TEE	4" X 3"	63.85	64.37	121.0	112.0	1	1.541
VB1Q1A	PVC REDUCING TEE	5" X 4"	79.50	78.85	147.5	136.0	1	2.216
VB1F3A	PVC REDUCING TEE	6" X 3"	95.00	95.37	173.0	143.0	1	3.742
VB1F2A	PVC REDUCING TEE	6" X 4"	95.00	94.85	173.0	152.0	1	3.717
VB2H4A	PVC REDUCING TEE	8" X 3"	122.00	122.37	225.0	170.0	1	8.623
VB2H3A	PVC REDUCING TEE	8" X 4"	122.00	122.85	225.0	180.0	1	8.780
VB2F4A	PVC REDUCING TEE	10" X 4"	122.00	152.85	290.0	210.0	1	15.649
VB3H5A	PVC REDUCING TEE	12" X 4"	175.00	183.00	330.0	240.5	1	24.09

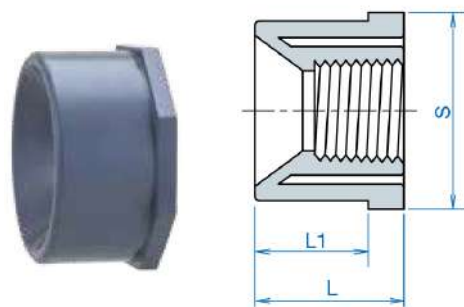
05 | REDUCING BUSHING

REDUCING TEE S X S



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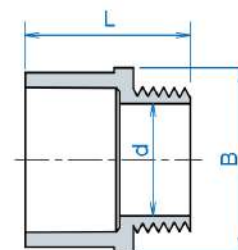
CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			L	L1	S		
VB201	PVC BUSHING	3/4" X 1/2"	33	25	30	1	0.023
VB252	PVC BUSHING	1" X 1/2"	36	29	38	1	0.030
VB251	PVC BUSHING	1" X 3/4"	36	29	38	1	0.021
VB323	PVC BUSHING	1-1/4" X 1/2"	41	32	47	1	0.057
VB322	PVC BUSHING	1-1/4" X 3/4"	41	32	47	1	0.054
VB321	PVC BUSHING	1-1/4" X 1"	41	32	47	1	0.040
VB404	PVC BUSHING	1-1/2" X 1/2"	44	35	53	1	0.075
VB403	PVC BUSHING	1-1/2" X 3/4"	44	35	53	1	0.076
VB402	PVC BUSHING	1-1/2" X 1"	44	35	53	1	0.065
VB401	PVC BUSHING	1-1/2" X 1-1/4"	44	35	53	1	0.038
VB505	PVC BUSHING	2" X 1/2"	50	38	66	1	0.127
VB504	PVC BUSHING	2" X 3/4"	50	38	66	1	0.127
VB503	PVC BUSHING	2" X 1"	50	38	66	1	0.130
VB502	PVC BUSHING	2" X 1-1/4"	50	38	66	1	0.115
VB501	PVC BUSHING	2" X 1-1/2"	50	38	74	1	0.095
VB652	PVC BUSHING	2-1/2" X 1-1/2"	55	44	78	1	0.179
VB651	PVC BUSHING	2-1/2" X 2"	55	44	78	1	0.132
VB805	PVC BUSHING	3" X 1"	58	48	94	1	0.273
VB803	PVC BUSHING	3" X 1-1/2"	58	48	94	1	0.288
VB802	PVC BUSHING	3" X 2"	58	48	94	1	0.274
VB801	PVC BUSHING	3" X 2-1/2"	58	48	94	1	0.245
VB1H6	PVC BUSHING	4" X 1"	70	57	120	1	0.603
VB1H5	PVC BUSHING	4" X 1-1/4"	70	57	120	1	0.575
VB1H4	PVC BUSHING	4" X 1-1/2"	70	57	120	1	0.542
VB1H3	PVC BUSHING	4" X 2"	70	57	120	1	0.573
VB1H2	PVC BUSHING	4" X 2-1/2"	70	57	120	1	0.520
VB1H1	PVC BUSHING	4" X 3"	70	57	120	1	0.463
VB1Q1	PVC BUSHING	5" X 4"	82	67	120	1	0.731
VB1F3	PVC BUSHING	6" X 3"	92	78	175	1	1.254
VB1F2	PVC BUSHING	6" X 4"	92	78	175	1	1.396
VB1F1	PVC BUSHING	6" X 5"	92	78	175	1	0.953
VB2H3	PVC BUSHING	8" X 4"	120	102	230	1	2.892
VB2H1	PVC BUSHING	8" X 6"	120	102	230	1	2.746
VB2F2	PVC BUSHING	10" X 6"	158	138	285	1	5.296
VB2F1	PVC BUSHING	10" X 8"	158	138	285	1	5.113
VB3H3	PVC BUSHING	12" X 6"	174	154	340	1	7.880
VB3H2	PVC BUSHING	12" X 8"	174	154	340	1	7.974
VB3H1	PVC BUSHING	12" X 10"	174	154	340	1	7.180

REDUCING
BUSHING S X FT

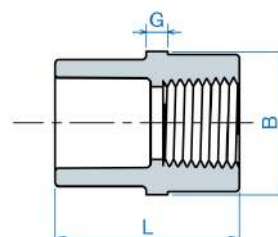
CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			L	L1	S		
VB201T	PVC REDUCING BUSHING	3/4" X 1/2"	33	25	30	1	0.021
VB252T	PVC REDUCING BUSHING	1" X 1/2"	36	29	38	1	0.035
VB251T	PVC REDUCING BUSHING	1" X 3/4"	36	29	38	1	0.027
VB323T	PVC REDUCING BUSHING	1-1/4" X 1/2"	41	32	47	1	0.060
VB322T	PVC REDUCING BUSHING	1-1/4" X 3/4"	41	32	47	1	0.056
VB321T	PVC REDUCING BUSHING	1-1/4" X 1"	41	32	47	1	0.047
VB404T	PVC REDUCING BUSHING	1-1/2" X 1/2"	44	35	53	1	0.080
VB403T	PVC REDUCING BUSHING	1-1/2" X 3/4"	44	35	53	1	0.076
VB402T	PVC REDUCING BUSHING	1-1/2" X 1"	44	35	53	1	0.076
VB401T	PVC REDUCING BUSHING	1-1/2" X 1-1/4"	44	35	53	1	0.040
VB505T	PVC REDUCING BUSHING	2" X 1/2"	50	38	66	1	0.136
VB504T	PVC REDUCING BUSHING	2" X 3/4"	50	38	66	1	0.134
VB503T	PVC REDUCING BUSHING	2" X 1"	50	38	66	1	0.140
VB502T	PVC REDUCING BUSHING	2" X 1-1/4"	50	38	66	1	0.120
VB501T	PVC REDUCING BUSHING	2" X 1-1/2"	50	38	74	1	0.106
VB652T	PVC REDUCING BUSHING	2-1/2" X 1-1/2"	55	44	78	1	0.231
VB651T	PVC REDUCING BUSHING	2-1/2" X 2"	55	44	78	1	0.140
VB805T	PVC REDUCING BUSHING	3" X 1"	58	48	94	1	0.346
VB803T	PVC REDUCING BUSHING	3" X 1-1/2"	58	48	94	1	0.342
VB802T	PVC REDUCING BUSHING	3" X 2"	58	48	94	1	0.287
VB801T	PVC REDUCING BUSHING	3" X 2-1/2"	58	48	94	1	0.224
VB1H6T	PVC REDUCING BUSHING	4" X 1"	70	57	120	1	0.610
VB1H5T	PVC REDUCING BUSHING	4" X 1-1/4"	70	57	120	1	0.690
VB1H4T	PVC REDUCING BUSHING	4" X 1-1/2"	70	57	120	1	0.733
VB1H3T	PVC REDUCING BUSHING	4" X 2"	70	57	120	1	0.550
VB1H2T	PVC REDUCING BUSHING	4" X 2-1/2"	70	57	120	1	0.500
VB1H1T	PVC REDUCING BUSHING	4" X 3"	70	57	120	1	0.436
VB1Q1T	PVC REDUCING BUSHING	5" X 4"	82	67	150	1	0.746
VB1F3T	PVC REDUCING BUSHING	6" X 3"	92	78	175	1	1.254
VB1F2T	PVC REDUCING BUSHING	6" X 4"	92	78	175	1	1.171
VB2H3T	PVC REDUCING BUSHING	8" X 4"	120	102	203	1	4.364

06 | ADAPTER

SEKISUI

MALE ADAPTER
MPT X S

CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			L	D	B		
VMA15	PVC MALE ADAPTER	1/2"	46	13	33	1	0.020
VMA20	PVC MALE ADAPTER	3/4"	50	18	39	1	0.028
VMA25	PVC MALE ADAPTER	1"	56	24	47	1	0.045
VMA32	PVC MALE ADAPTER	1-1/4"	63	32	58	1	0.071
VMA40	PVC MALE ADAPTER	1-1/2"	66	37	64	1	0.101
VMA50	PVC MALE ADAPTER	2"	73	49	77	1	0.134
VMA65	PVC MALE ADAPTER	2-1/2"	93	58	94	1	0.246
VMA80	PVC MALE ADAPTER	3"	98	72	111	1	0.335
VMA1H	PVC MALE ADAPTER	4"	112	96	139	1	0.570

FEMALE ADAPTER
S X FT

CODE	DESCRIPTIONS	SIZE	DIMENSIONS			PACKING	WEIGHT
			L	G	B		
VFA15	PVC FEMALE ADAPTER	1/2"	44	5	33	1	0.029
VFA20	PVC FEMALE ADAPTER	3/4"	47	5	38	1	0.035
VFA25	PVC FEMALE ADAPTER	1"	54	6	46	1	0.042
VFA32	PVC FEMALE ADAPTER	1-1/4"	60	6	56	1	0.113
VFA40	PVC FEMALE ADAPTER	1-1/2"	65	7	64	1	0.110
VFA50	PVC FEMALE ADAPTER	2"	70	10	77	1	0.183
VFA65	PVC FEMALE ADAPTER	2-1/2"	92	10	91	1	0.318
VFA80	PVC FEMALE ADAPTER	3"	96	12	107	1	0.357
VFA1H	PVC FEMALE ADAPTER	4"	108	13	138	1	0.700

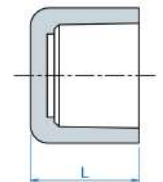


07 | CAP

SEKISUI

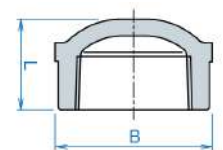
SOCKET CAP

CODE	DESCRIPTIONS	SIZE	DIMENSIONS	PACKING	WEIGHT
			L		
VC15	PVC CAP	1/2"	30	1	0.018
VC20	PVC CAP	3/4"	36	1	0.029
VC25	PVC CAP	1"	41	1	0.047
VC32	PVC CAP	1-1/4"	47	1	0.060
VC40	PVC CAP	1-1/2"	52	1	0.115
VC50	PVC CAP	2"	59	1	0.178
VC65	PVC CAP	2-1/2"	67	1	0.266
VC80	PVC CAP	3"	77	1	0.460
VC1H	PVC CAP	4"	92	1	0.687
VC1Q	PVC CAP	5"	107	1	0.980
VC1F	PVC CAP	6"	124	1	1.296
VC2H	PVC CAP	8"	165	1	3.070
VC2F	PVC CAP	10"	191	1	5.310
VC3H	PVC CAP	12"	215	1	8.155



THREADED CAP

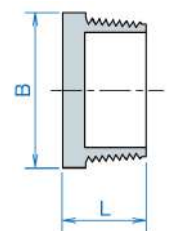
CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	B		
VC15T	PVC FEMALE ADAPTER	1/2"	28	32.5	1	0.022
VC20T	PVC FEMALE ADAPTER	3/4"	31	38.1	1	0.032
VC25T	PVC FEMALE ADAPTER	1"	37	46	1	0.050
VC32T	PVC FEMALE ADAPTER	1-1/4"	41	56	1	0.080
VC40T	PVC FEMALE ADAPTER	1-1/2"	42	63	1	0.120
VC50T	PVC FEMALE ADAPTER	2"	46	77	1	0.163
VC65T	PVC FEMALE ADAPTER	2-1/2"	65.5	91	1	0.281
VC80T	PVC FEMALE ADAPTER	3"	73	107	1	0.471
VC1HT	PVC FEMALE ADAPTER	4"	84.5	138	1	0.646



08 | PLUG

SEKISUI

CAP AND PLUG MPT PLUG

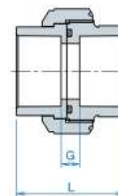


CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	B		
VPG15	PVC PLUG WITH MALE THREAD	1/2"	24.5	24	1	0.009
VPG20	PVC PLUG WITH MALE THREAD	3/4"	25	30	1	0.013
VPG25	PVC PLUG WITH MALE THREAD	1"	28	38	1	0.028
VPG32	PVC PLUG WITH MALE THREAD	1-1/4"	32.5	47	1	0.037
VPG40	PVC PLUG WITH MALE THREAD	1-1/2"	33	53	1	0.049
VPG50	PVC PLUG WITH MALE THREAD	2"	36.5	65	1	0.093
VPG65	PVC PLUG WITH MALE THREAD	2-1/2"	50	79	1	0.140
VPG80	PVC PLUG WITH MALE THREAD	3"	52	95	1	0.211
VPG1H	PVC PLUG WITH MALE THREAD	4"	54.5	120	1	0.379

09 | UNION

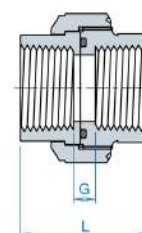
SEKISUI

UNION (O-RING SEAT) S X S



CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	G		
USG15U	UNION / TS SOCKET /EPDM	1/2"	52	6.5	1	0.050
USG20U	UNION / TS SOCKET /EPDM	3/4"	59	7.5	1	0.080
USG25U	UNION / TS SOCKET /EPDM	1"	67	8.0	1	0.140
USG32U	UNION / TS SOCKET /EPDM	1-1/4"	76	12.5	1	0.217
USG40U	UNION / TS SOCKET /EPDM	1-1/2"	82	10.5	1	0.295
USG50U	UNION / TS SOCKET /EPDM	2"	92	14.0	1	0.475
USG65U	UNION / TS SOCKET /EPDM	2-1/2"	108	19.0	1	0.775
USG80U	UNION / TS SOCKET /EPDM	3"	120	25.0	1	1.180
USG1HU	UNION / TS SOCKET /EPDM	4"	152	37.0	1	2.050

UNION (ORING SEAT) FT X FT



CODE	DESCRIPTIONS	SIZE	DIMENSIONS		PACKING	WEIGHT
			L	B		
USG15N	UNION / FT X FT/EPDM	1/2"	52	7.6	1	0.050
USG20N	UNION / FT X FT/EPDM	3/4"	59	8.2	1	0.079
USG25N	UNION / FT X FT/EPDM	1"	67	7.2	1	0.143
USG32N	UNION / FT X FT/EPDM	1-1/4"	76	9.2	1	0.223
USG40N	UNION / FT X FT/EPDM	1-1/2"	82	8.5	1	0.294
USG50N	UNION / FT X FT/EPDM	2"	92	12.0	1	0.468
USG65N	UNION / FT X FT/EPDM	2-1/2"	108	19.1	1	0.719
USG80N	UNION / FT X FT/EPDM	3"	120	24.7	1	1.159
USG1HN	UNION / FT X FT/EPDM	4"	152	37.0	1	2.031

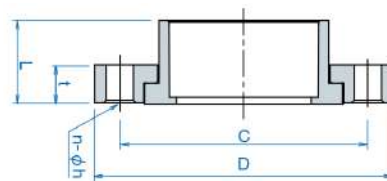
10 | FLANGE

SEKISUI

ONE PIECE FLANGE

FLANGE (ANSI)

SOCKET (ASTM)

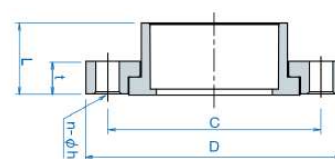


CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			L	T	C	D	n	h		
VF15	FLANGE WITH SOCKET	1/2"	25	11.5	60.5	89	4	15.7	1	0.150
VF20	FLANGE WITH SOCKET	3/4"	29.5	13	70	98.8	4	15.7	1	0.152
VF25	FLANGE WITH SOCKET	1"	32	14.5	79.5	108.3	4	15.7	1	0.207
VF32	FLANGE WITH SOCKET	1-1/4"	38.5	17.6	89	118.8	4	15.7	1	0.276
VF40	FLANGE WITH SOCKET	1-1/2"	40.5	19	98.5	127.5	4	15.7	1	0.360
VF50	FLANGE WITH SOCKET	2"	46.6	19.5	120.5	152	4	19.1	1	0.512
VF65	FLANGE WITH SOCKET	2-1/2"	51	22.5	139.5	177	4	19.1	1	0.799
VF80	FLANGE WITH SOCKET	3"	55	27.1	152.5	192.8	4	19.1	1	0.983
VF1H	FLANGE WITH SOCKET	4"	64	29.3	190.5	229.7	8	19.1	1	1.497
VF1Q	FLANGE WITH SOCKET	5"	82	28	216	254	8	22.4	1	1.841
VF1F	FLANGE WITH SOCKET	6"	84.5	25.5	241.5	279	8	22.4	1	1.944
VF2H	FLANGE WITH SOCKET	8"	116	29	298.5	343	8	22.4	1	3.798

ONE PIECE FLANGE

FLANGE (JIS)

SOCKET (ASTM)

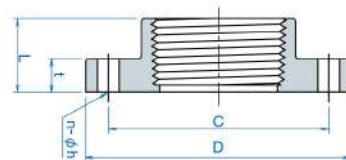


CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			L	T	C	D	n	h		
VF50J	FLANGE WITH SOCKET	2"	45	20	120	155	4	19	1	0.528
VF65J	FLANGE WITH SOCKET	2-1/2"	51	22	140	175	4	19	1	0.720
VF80J	FLANGE WITH SOCKET	3"	55	22	150	185	4	19	1	0.752
VF1HJ	FLANGE WITH SOCKET	4"	64	22	175	210	8	19	1	0.984
VF1QJ	FLANGE WITH SOCKET	5"	82	24	210	250	8	23	1	1.508
VF1FJ	FLANGE WITH SOCKET	6"	84.5	25.5	240	280	8	23	1	1.956
VF2HJ	FLANGE WITH SOCKET	8"	116	28	290	3330	12	23	1	3.358

ONE PIECE FLANGE

FLANGE (ANSI)

THREADED

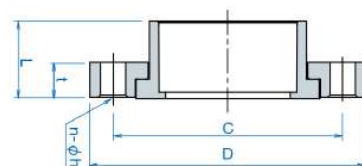


CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			L	t	C	D	n	h		
VF15T	FLANGE -FEMALE THREADED	1/2"	25	11.5	60.5	89	4	16	1	0.105
VF20T	FLANGE -FEMALE THREADED	3/4"	29.5	13	70	98.8	4	16	1	0.134
VF25T	FLANGE -FEMALE THREADED	1"	32	14.5	79.5	108.3	4	16	1	0.212
VF32T	FLANGE -FEMALE THREADED	1-1/4"	38.5	18.3	89	118.5	4	16	1	0.268
VF40T	FLANGE -FEMALE THREADED	1-1/2"	40.5	17.5	98.5	127.5	4	16	1	0.346
VF50T	FLANGE -FEMALE THREADED	2"	45	19.5	120.5	152	4	19	1	0.512
VF65T	FLANGE -FEMALE THREADED	2-1/2"	51	22.5	139.5	177	4	19	1	0.799
VF80T	FLANGE -FEMALE THREADED	3"	55	24	152.5	191	4	20	1	0.983
VF1HT	FLANGE -FEMALE THREADED	4"	64	24	190.5	229.7	8	19	1	1.497

VAN STONE FLANGE

FLANGE (ANSI)

SOCKET (ASTM)

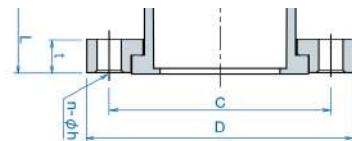


CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			L	t	C	D	n	h		
VVF15	VAN STONE FLANGE ANSI/ASTM	1/2"	25	11.2	60.5	88.9	4	15.9	1	0.100
VVF20	VAN STONE FLANGE ANSI/ASTM	3/4"	29.5	12.7	70	98.6	4	15.9	1	0.160
VVF25	VAN STONE FLANGE ANSI/ASTM	1"	32	14.5	79.5	108	4	15.9	1	0.180
VVF32	VAN STONE FLANGE ANSI/ASTM	1-1/4"	38.5	15.7	89	117.4	4	15.9	1	0.240
VVF40	VAN STONE FLANGE ANSI/ASTM	1-1/2"	40.5	17.5	98.5	127	4	15.9	1	0.290
VVF50	VAN STONE FLANGE ANSI/ASTM	2"	43	20	120.5	152	4	19.1	1	0.429
VVF65	VAN STONE FLANGE ANSI/ASTM	2-1/2"	51	24.5	139.5	178	4	19.1	1	0.655
VVF80	VAN STONE FLANGE ANSI/ASTM	3"	55	27	152.5	191	4	19.1	1	0.807
VVF1H	VAN STONE FLANGE ANSI/ASTM	4"	64	28	190.5	229	8	19.1	1	1.173
VVF1Q	VAN STONE FLANGE ANSI/ASTM	5"	82	28	216	254	8	22.4	1	1.565
VVF1F	VAN STONE FLANGE ANSI/ASTM	6"	85	32	241.5	283.2	8	22.4	1	2.002
VVF2H	VAN STONE FLANGE ANSI/ASTM	8"	120.5	36	298.5	343	8	22.4	1	3.157
VVF2F	VAN STONE FLANGE ANSI/ASTM	10"	150	42	362	406	12	25.4	1	5.415
VVF3H	VAN STONE FLANGE ANSI/ASTM	12"	190	42	432	483	12	25.4	1	9.680
VVF3F	VAN STONE FLANGE ANSI/ASTM	14"	203	51	476	533	12	28.4	1	12.329
VVF4H	VAN STONE FLANGE ANSI/ASTM	16"	225	60	540	597	16	28.4	1	17.460
VVF4F	VAN STONE FLANGE ANSI/ASTM	18"	248	60	578	635	16	31.8	1	21.599

VAN STONE FLANGE

FLANGE (ANSI)

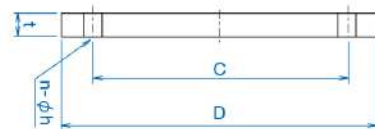
SOCKET (ASTM)



CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			L	t	C	D	n	h		
VVF50J	VAN STONE FLANGE	2"	43	20	120	153	4	20	1	0.446
VVF65J	VAN STONE FLANGE	2-1/2"	51	24.5	140	178.3	4	20	1	0.683
VVF80J	VAN STONE FLANGE	3"	55	27	150	185	8	19	1	0.840
VVF1HJ	VAN STONE FLANGE	4"	64	28	175	210	8	19	1	0.990
VVF1QJ	VAN STONE FLANGE	5"	82	28	210	250	8	23	1	1.480
VVF1FJ	VAN STONE FLANGE	6"	85	32	240	283.4	8	23	1	2.124
VVF2HJ	VAN STONE FLANGE	8"	120.5	36	290	330	12	23	1	3.927
VVF2FJ	VAN STONE FLANGE	10"	150.0	42	355	400	12	25	1	5.686

BLIND FLANGE

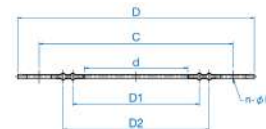
FLANGE (ANSI)



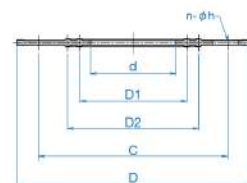
CODE	DESCRIPTIONS	SIZE	DIMENSIONS					PACKING	WEIGHT
			t	C	D	n	h		
VBF15	BLIND FLANGE	1/2"	12	60.5	89	4	16	1	0.117
VBF20	BLIND FLANGE	3/4"	13	70	98	4	16	1	0.160
VBF25	BLIND FLANGE	1"	15	79.5	108	4	16	1	0.190
VBF32	BLIND FLANGE	1-1/4"	16	89	117	4	16	1	0.238
VBF40	BLIND FLANGE	1-1/2"	18	98.5	127	4	16	1	0.329
VBF50	BLIND FLANGE	2"	18	120.5	152	4	19	1	0.518
VBF65	BLIND FLANGE	2-1/2"	22	139.5	178	4	19	1	0.843
VBF80	BLIND FLANGE	3"	24	152.5	191	4	19	1	1.006
VBF1H	BLIND FLANGE	4"	24	190.5	229	8	19	1	1.627
VBF1Q	BLIND FLANGE	5"	26	216	254	8	22	1	1.950
VBF1F	BLIND FLANGE	6"	26	241.5	283	8	22	1	2.489
VBF2H	BLIND FLANGE	8"	28	298.5	343	8	22	1	3.809
VBF2F	BLIND FLANGE	10"	28	362	406	12	25	1	
VBF3H	BLIND FLANGE	12"	28	432	483	12	25	1	
VBF3F	BLIND FLANGE	14"	28	476	535	12	29	1	
VBF4H	BLIND FLANGE	16"	45	540	595	16	29	1	

11 | GASKET

SEKISUI

ESLON PTFE GASKET
ANSI B 16.5

CODE	DESCRIPTIONS	SIZE	DIMENSIONS							PACKING	WEIGHT
			d	D1	D2	C	D	n-h	T		
PTGAS01	BLIND FLANGE	1/2"	18	30	-	60.5	85	4-16	5	1	0.022
PTGAS02	BLIND FLANGE	3/4"	22	32	44	70	95	4-16	5	1	0.029
PTGAS03	BLIND FLANGE	1"	29	38	50	79.5	103	4-16	5	1	0.034
PTGAS04	BLIND FLANGE	1-1/4"	39	47	59	89	111	4-16	5	1	0.039
PTGAS05	BLIND FLANGE	1-1/2"	44	53	68	98.5	121	4-16	5	1	0.044
PTGAS06	BLIND FLANGE	2"	55	65	83	120.5	146	4-19	5	1	0.065
PTGAS07	BLIND FLANGE	2-1/2"	70	81	101	139.5	173	4-19	5	1	0.084
PTGAS08	BLIND FLANGE	3"	81	94	112	152.5	186	4-19	5	1	0.098
PTGAS09	BLIND FLANGE	4"	103	124	148	190.5	223	8-19	5	1	0.137
PTGAS10	BLIND FLANGE	5"	128	150	174	216	249	8-22	5	1	0.153
PTGAS11	BLIND FLANGE	6"	152	172	196	241.5	274	8-22	5	1	0.182
PTGAS12	BLIND FLANGE	8"	200	222	246	298.5	337	8-22	5	1	0.258
PTGAS13	BLIND FLANGE	10"	251	276	300	362	401	12-25	5	1	0.348
PTGAS14	BLIND FLANGE	12"	302	335	365	432	477	12-25	5	1	0.484

ESLON EPDM GASKET
ANSI B16.5

CODE	DESCRIPTIONS	SIZE	DIMENSIONS						PACKING	WEIGHT
			d	D1	D2	C	D	n-h		
EDGAS01	GASKET ANSI B16.5	1/2"	18	25	38	60.5	85	4-16	1	0.017
EDGAS02	GASKET ANSI B16.5	3/4"	23	33	48	70	97	4-16	1	0.021
EDGAS03	GASKET ANSI B16.5	1"	30	38	53	79.5	107	4-16	1	0.025
EDGAS04	GASKET ANSI B16.5	1-1/4"	38	51	66	89	114	4-16	1	0.029
EDGAS05	GASKET ANSI B16.5	1-1/2"	43	53	69	98.5	124	4-16	1	0.034
EDGAS06	GASKET ANSI B16.5	2"	53	69	84	120.5	150	4-19	1	0.049
EDGAS07	GASKET ANSI B16.5	2-1/2"	69	86	102	139.5	175	4-19	1	0.066
EDGAS08	GASKET ANSI B16.5	3"	81	99	112	152.5	188	4-19	1	0.074
EDGAS09	GASKET ANSI B16.5	4"	102	119	137	190.5	226	8-19	1	0.101
EDGAS10	GASKET ANSI B16.5	5"	127	145	165	216	251	8-22	1	0.117
EDGAS11	GASKET ANSI B16.5	6"	149	168	191	241.5	277	8-22	1	0.134
EDGAS12	GASKET ANSI B16.5	8"	198	216	246	298.5	340	8-22	1	0.192
EDGAS13	GASKET ANSI B16.5	10"	249	269	307	362	404	12-25	1	0.146
EDGAS14	GASKET ANSI B16.5	12"	300	325	353	432	480	12-25	1	0.356



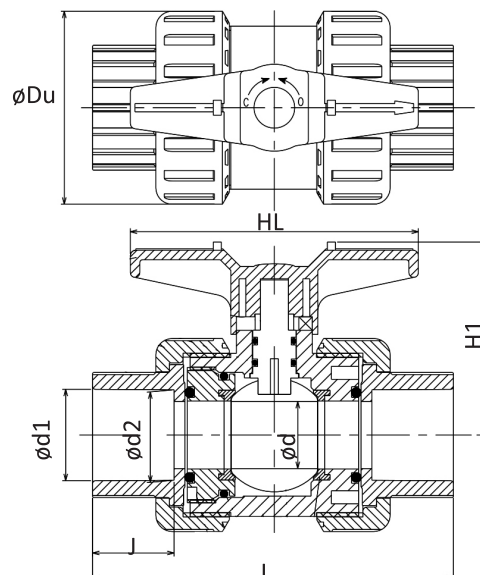
PROPERTIES OF PVC FITTINGS

GENERAL	TEST METHOD	SI UNIT	
		UNIT	PVC
GENERAL			
Cell Classification	ASTM D1784	-	23447
Maximum Usable Temp.	-	C	93
Specific Gravity @ 73°F(23°C)	ASTM D792	g/cc	1.55+0.02
Water Absorption % increase 24 hrs@ 73°F(23°C)	ASTM D570	%	0.04
Hardness, Rockwell	ASTM D785	–	115-125
Poisson's Ratio @ 73°F(23°C)	ASTM D638	–	0.36
MECHANICAL			
Tensile Strength @ 73°F(23°C)	ASTM D638	Mpa	51.0
Tensile Strength @194 °F(90°C)	"	Mpa	20.7
Tensile Modulus of Elasticity @ 73°F(23°C)	"	GPa	2.62
Tensile Modulus of Elasticity @ 194°F(90°C)	"	Gpa	1.38
Flexural Strength @ 73°F(23°C)	ASTM D790	Mpa	82.7
Flexural Modulus of Elasticity @ 73°F(23°C)	"	Gpa	2.76
Compressive Strength @ 73°F(23°C) ε =10%	ASTM D695	Mpa	103.4
Compressive Modulus of Elasticity @ 73°F(23°C)	"	Gpa	1.10
Izod Impact, notched @ 73°F(23°C)	ASTM D256	J/m	162
THERMAL			
Coefficient of Linear Expansion	ASTM D696	m/m/c	7.0-8.0x10
Coefficient of Thermal Conductivity	ASTM C177	Watt /m/k	0.13
Heat Deflection Temperature Under Load (264psi, annealed)	ASTM D648	c	102
Specific Heat	ASTM D2766	J/K/g	1.1
ELECTRICAL			
Volume Resistivity	ASTM D257	ohm/cm	>1.0 X 10
Dielectric Strength	ASTM C149	volt/mm	>1000
Dielectric Constant	ASTM D150	-	3
Power Factor	"	-	0.01-0.02
Electrical Conductivity	"	-	Non conductor
FIRE PERFORMANCE			
Flammability Rang	UL-94	-	V-0,5VB,5VA
Flame Spread Index	"	-	<10
Average Time of Burning	ASTM D635	SEC	<5
Average Extent of Burning	"	mm	<10
Burning Rate	"	mm/min	Self extinguishing
Limiting Oxygen Index (LOI)	ASTM D2863	LOI	60

12 | PVC VALVE

TRUE UNION BALL VALVE

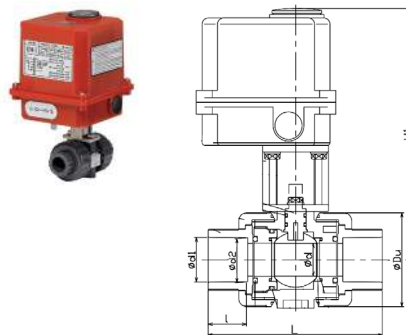
- Size: 1/2" - 2"
- Full port design
- Easy maintenance
- Socket or threaded end



CODE	DESCRIPTIONS	SIZE	ASTM					DIN		JIS				
			L	ϕd	ϕDu	$\phi d1$	$\phi d2$	$\phi d1$	$\phi d2$	$\phi d1$	$\phi d2$	L	H1	HL
BDG15U	PVC BALL VALVE	1/2"	105	15	53	21.54	21.23	20.3	20.1	22.40	21.52	22.5	53	84
BDG20U	PVC BALL VALVE	3/4"	117	20	61	26.87	26.57	25.3	25.1	26.45	25.42	26	61	90
BDG25U	PVC BALL VALVE	1"	133	25	71	33.67	33.27	32.3	32.1	32.55	31.37	30	71	106
BDG32U	PVC BALL VALVE	1-1/4"	147	32	83	42.42	42.04	40.3	40.1	38.60	37.31	32	82.5	116
BDG40U	PVC BALL VALVE	1-1/2"	167	40	96	48.56	48.11	50.3	50.1	48.70	47.21	36	91	128
BDG50U	PVC BALL VALVE	2"	180	50	116	60.63	60.17	63.3	63.1	60.80	59.10	40	110	140

ELECTRIC ACTUATOR BALL VALVE (BEE)

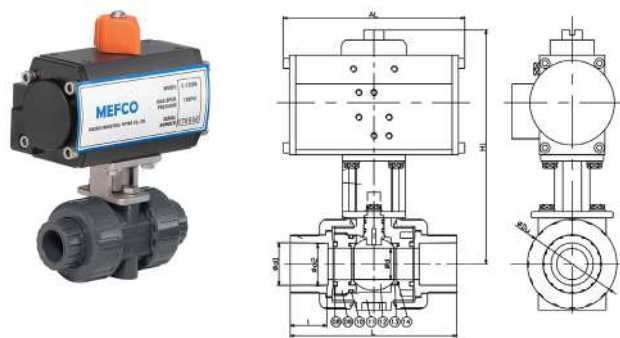
- Size: ½ " - 4"
- Easy to assemble limit switch
- Various optional accessories available on request



CODE	DESCRIPTIONS	SIZE	ASTM					DIN		JIS			
			L	Ød	ØDu	Ød1	Ød2	Ød1	Ød2	Ød1	Ød2	L	H1
BEG15U	ELECTRIC ACTUATOR BALL VALVE	1/2"	104	15	53	21.54	21.23	20.3	20.1	22.40	21.52	22	197
BEG20U	ELECTRIC ACTUATOR BALL VALVE	3/4"	117	20	61	26.57	26.57	25.3	25.1	26.45	25.42	25	202
BEG25U	ELECTRIC ACTUATOR BALL VALVE	1"	132	25	71	33.27	33.27	32.3	32.1	32.55	31.37	30	231
BEG32U	ELECTRIC ACTUATOR BALL VALVE	1-1/4"	147	32	83	42.04	42.04	40.3	40.1	38.60	37.31	33	235
BEG40U	ELECTRIC ACTUATOR BALL VALVE	1-1/2"	167	40	96	48.56	48.11	50.3	50.1	48.70	47.21	35	242
BEG50U	ELECTRIC ACTUATOR BALL VALVE	2"	179	50	116	60.63	60.17	63.3	63.1	60.80	59.10	38	290
BEG65U	ELECTRIC ACTUATOR BALL VALVE	2-1/2"	241	63	150	73.38	72.85	75.3	75.1	76.60	5.33	30	308
BEG80U	ELECTRIC ACTUATOR BALL VALVE	3"	271	75	166	89.31	88.70	90.3	90.1	89.60	88.29	33	317
BEG1HU	ELECTRIC ACTUATOR BALL VALVE	4"	323	97	210	114.76	114.07	110.4	110.1	114.70	113.20	35	412

ELECTRIC ACTUATOR BALL VALVE (BEE)

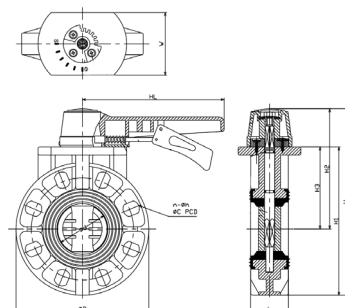
- Size: ½ " - 4"
- Easy to assemble limit switch
- Various optional accessories available on request



CODE	DESCRIPTIONS	SIZE	ASTM					DIN		JIS			
			L	Ød	ØDu	Ød1	Ød2	Ød1	Ød2	Ød1	Ød2	L	H1
BAG15U	PNEUMATIC ACTUATOR BALL VALVE	1/2"	104	15	53	21.54	21.23	20.3	20.1	22.40	21.52	22.5	197
BAG20U	PNEUMATIC ACTUATOR BALL VALVE	3/4"	117	20	61	26.57	26.57	25.3	25.1	26.45	25.42	26	202
BAG25U	PNEUMATIC ACTUATOR BALL VALVE	1"	132	25	71	33.27	33.27	32.3	32.1	32.55	31.37	30	231
BAG32U	PNEUMATIC ACTUATOR BALL VALVE	1-1/4"	147	32	83	42.04	42.04	40.3	40.1	38.60	37.31	32	235
BAG40U	PNEUMATIC ACTUATOR BALL VALVE	1-1/2"	167	40	96	48.56	48.11	50.3	50.1	48.70	47.21	36	242
BAG50U	PNEUMATIC ACTUATOR BALL VALVE	2"	179	50	116	60.63	60.17	63.3	63.1	60.80	59.10	40	290
BAG65U	PNEUMATIC ACTUATOR BALL VALVE	2-1/2"	241	63	150	73.38	72.85	75.3	75.1	76.60	5.33	45	308
BAG80U	PNEUMATIC ACTUATOR BALL VALVE	3"	271	75	166	89.31	88.70	90.3	90.1	89.60	88.29	48	317
BAG1HU	PNEUMATIC ACTUATOR BALL VALVE	4"	323	97	210	114.76	114.07	110.4	110.1	114.70	113.20	58	412

PVC BUTTERFLY VALVE / LEVER HANDLE / EPDM2"

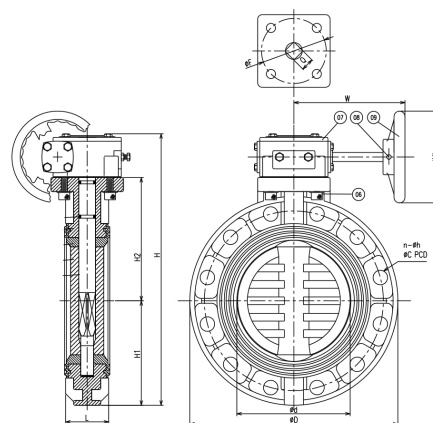
- Size: 2"- 8"
- Ideally suited in the limited piping space
- PVC or GF-PP body for choice
- Disk position identification



CODE	DESCRIPTIONS	SIZE	ANSI 150PSI					DIN PN 10		JIS 10K						
			L	Ød	ØD	ØC	n-Øh	ØC	n-Øh	ØC	n-Øh	H	H1	H2	W	HL
ENG50U	PVC BUTTERFLY VALVE	2"	47.5	50	162	120.7	4-19	125	4-18	120	4-19	240	187	159	92	208
ENG65U	PVC BUTTERFLY VALVE	2-1/2"	42.5	64	178.5	139.5	4-19	145	4-18	140	4-19	259	203	170	92	208
ENG80U	PVC BUTTERFLY VALVE	3"	54	73	195	152.4	4-19	160	8-18	150	4-19	273	217	176	92	208
ENG1HU	PVC BUTTERFLY VALVE	4"	55	98	225	190.5	8-19	180	8-18	175	4-19	309	246	189	92	208
ENG1QU	PVC BUTTERFLY VALVE	5"	62	123	256	215.9	8-19	210	8-18	210	4-19	339	280	211	110	280
ENG1FU	PVC BUTTERFLY VALVE	6"	66	143	282	241.5	8-22	240	8-23	240	4-19	368	308	227	110	280
ENG2HU	PVC BUTTERFLY VALVE	8"	71	185	345	298.5	8-22	295	8-23	290	4-19	450	376	278	120	300

BUTTERFLY VALVE - WORM GEAR TYPE (EM)

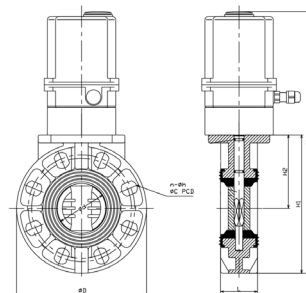
- Size: 6- 12
- Ideally suited in the limited piping space
- PVC or GF-PP body for choice
- CE approved for 8" - 12"



CODE	DESCRIPTIONS	SIZE	ANSI 150PSI					DIN PN 10		JIS 10 K								
			L	Ød	ØD	ØC	n-Øh	ØC	n-Øh	ØC	n-Øh	H	H1	H2	W	ØF	Q	ØHL
EMG1FU	PVC BUTTERFLY VALVE	6"	66	143	282	241.5	8-22	240	8-23	240	8-23	379	140	168	189	102	22	202
EMG2HU	PVC BUTTERFLY VALVE	8"	71	185	345	298.5	8-22	295	8-23	290	12-23	447	173	203	189	102	22	202
EMG2FU	PVC BUTTERFLY VALVE	10"	90	234	413	362	12-25	350	12-23	355	12-25	522	207	242	189	102	22	202
EMG3HU	PVC BUTTERFLY VALVE	12"	101.5	282	491	431.5	12-25	400	12-23	400	16-25	630	245	280	234	125	27	202

ELECTRIC ACTUATOR BALL VALVE (EE)

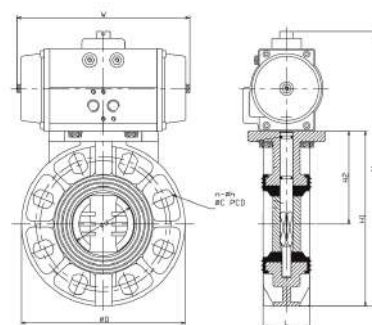
- Size: 2" - 12"
- Efficient operation in the limited piping space
- Easy to assemble limit switch
- Various attachable accessories available on request



CODE	DESCRIPTIONS	SIZE	ASTM 150PSI					DIN PN 10		JIS 10K				
			L	Ød	ØD	ØC	n-Øh	ØC	n-Øh	ØC	n-Øh	H	H1	H2
EEG50U	EL ACTUATOR BUTTERFLY VALVE	2"	47.5	50	162	120.7	4-19	125	4-18	120	4-19	369	184	103
EEG65U	EL ACTUATOR BUTTERFLY VALVE	2-1/2"	42.5	64	178.5	139.5	4-19	145	4-18	140	4-19	388	203	114
EEG80U	EL ACTUATOR BUTTERFLY VALVE	3"	54	73	195	152.4	4-19	160	8-18	150	8-19	403	218	121
EEG1HU	EL ACTUATOR BUTTERFLY VALVE	4"	55	98	225	190.5	8-19	180	8-18	175	8-19	417	252	139
EEG1QU	EL ACTUATOR BUTTERFLY VALVE	5"	62	123	256	215.9	8-19	210	8-18	210	8-23	444	279	151
EEG1FU	EL ACTUATOR BUTTERFLY VALVE	6"	66	143	282	241.5	8-22	240	8-23	240	8-23	473	308	166
EEG2HU	EL ACTUATOR BUTTERFLY VALVE	8"	71	185	345	298.5	8-22	295	8-23	290	12-23	616	376	204

PNEUMATIC ACTUATOR BUTTERFLY VALVE (EA)

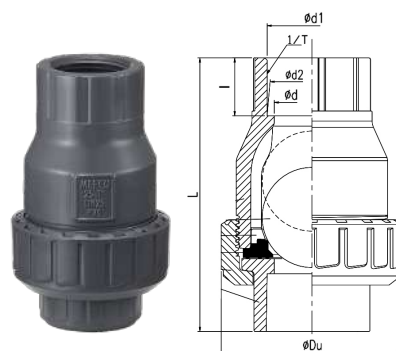
- Size: 2" - 12"
- Efficient operation in the limited piping space
- Easy to assemble limit switch
- Various attachable accessories available on request



CODE	DESCRIPTIONS	SIZE	ASTM 150PSI					DIN PN10		JIS10K		DOUBLE ACTION		SPRING RETURN			
			L	Ød	ØD	ØC	n-Øh	ØC	n-Øh	ØC	n-Øh	H	W	H	W	H1	H2
EAG50U	PNEUMATIC ACTUATOR BALL VALVE	2"	47.5	50	162	125	4-19	125	4-18	120	4-19	283	144.3	302	205	184	103
EAG65U	PNEUMATIC ACTUATOR BALL VALVE	2-1/2"	42.5	64	178.5	145	4-19	145	4-18	140	4-19	302	144.3	321	205	203	114
EAG80U	PNEUMATIC ACTUATOR BALL VALVE	3"	54	73	195	160	4-19	160	8-18	150	8-19	336	149.2	336	205	218	121
EAG1HU	PNEUMATIC ACTUATOR BALL VALVE	4"	55	98	225	180	8-19	180	8-18	175	8-19	370	149.2	393	250	252	139
EAG1QU	PNEUMATIC ACTUATOR BALL VALVE	5"	62	123	256	210	8-19	210	8-18	210	8-23	397	149.2	420	250	279	151
EAG1FU	PNEUMATIC ACTUATOR BALL VALVE	6"	66	143	282	240	8-22	240	8-23	240	8-23	449	183	469	355	308	166
EAG2HU	PNEUMATIC ACTUATOR BALL VALVE	8"	71	185	345	295	8-22	295	8-23	290	12-25	516	260	537	355	376	204

BALL CHECK VALVE (CB)

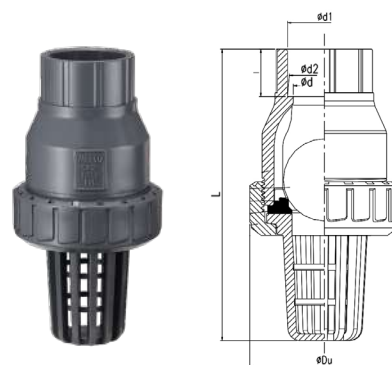
- Size: 1/2" - 4"
- Ball type
- Socket or threaded end
- Available in grey



CODE	DESCRIPTIONS	SIZE	ANSI						DIN				JIS			
			Ød	ØDu	Ød1	Ød2	I	L	Ød1	Ød2	I	L	Ød1	Ød2	I	L
CBG15U	PVC BALL CHECK VALVE	1/2"	16	49	21.54	21.23	22.2	83	20.3	20.1	16	83	22.3	21.7	22	98
CBG20U	PVC BALL CHECK VALVE	3/4"	20	59	26.87	26.27	25.4	99	25.3	25.1	19	99	26.3	25.7	25	118
CBG25U	PVC BALL CHECK VALVE	1"	25	67	33.65	33.27	28.6	106	32.3	32.1	22	106	32.3	31.67	29	124
CBG32U	PVC BALL CHECK VALVE	1-1/4"	32	98	42.42	42.04	31.8	149	40.3	40.1	26	149	38.4	37.57	32	153
CBG40U	PVC BALL CHECK VALVE	1-1/2"	40	98	48.56	48.11	35.0	142	50.3	50.1	31	142	48.5	47.54	35	153
CBG50U	PVC BALL CHECK VALVE	2"	50	120	60.63	60.17	38.1	173	63.3	63.1	38	173	60.6	59.44	38	180
CBG65U	PVC BALL CHECK VALVE	2-1/2"	65	150	73.38	72.85	44	218	75.3	75.1	44	218	76.6	75.33	61	259
CBG80U	PVC BALL CHECK VALVE	3"	80	186	89.31	88.70	51	269	90.3	90.1	51	269	89.6	88.29	64	305
CBG1HU	PVC BALL CHECK VALVE	4"	102	228	114.76	114.1	61	348	110.4	110.1	61	348	114.7	113.2	84	408

FOOT VALVE (FB)

- Size: 1/2" - 4"
- Ball type
- Socket or threaded end
- Available in grey



CODE	DESCRIPTIONS	SIZE	ANSI						DIN				JIS			
			Ød	ØDu	Ød1	Ød2	I	L	Ød1	Ød2	I	L	Ød1	Ød2	I	L
FBG20U	PVC FOOT VALVE	1/2"	16	49	21.54	21.23	22.2	119	20.3	20.1	16	112	22.30	21.7	22	119
FBG20U	PVC FOOT VALVE	3/4"	20	59	26.87	26.27	25.4	140	25.3	25.1	19	133	26.30	25.7	25	140
FBG25U	PVC FOOT VALVE	1"	25	67	33.65	33.27	28.6	151	32.3	32.1	22	144	32.33	31.67	29	151
FBG32U	PVC FOOT VALVE	1-1/4"	32	98	42.42	42.04	31.8	205	40.3	40.1	26	201	38.43	37.57	32	205
FBG40U	PVC FOOT VALVE	1-1/2"	40	98	48.56	48.11	35.0	205	50.3	50.1	31	201	48.46	47.54	35	205
FBG50U	PVC FOOT VALVE	2"	50	120	60.63	60.17	38.1	234	63.3	63.1	38	233	60.56	59.44	38	235
FBG65U	PVC FOOT VALVE	2-1/2"	65	150	73.38	72.85	44.5	293	75.3	75.1	44	293	76.60	75.33	61	313
FBG80U	PVC FOOT VALVE	3"	80	186	89.31	88.70	47.7	345	90.3	90.1	51	349	89.60	88.29	64	364
FBG1HU	PVC FOOT VALVE	4"	102	228	114.76	114.1	57.2	457	110.4	110.1	61	461	114.70	113.2	84	488



13 | PVC PIPES

SEKISUI



Elson pipe and fittings are approved by NSF International 14 and 61

- NSF standard 14: Plastic piping system components and related materials
- NSF standard 61: Drinking water system components - Health effects

CODE	DESCRIPTIONS	SIZE	OUTSIDE DIAMETER	WALL THICKNESS	INSIDE DIAMETER	MAX. OPERATING PRESSURE	WEIGHT
P8V156	SCH80 PVC PIP	1/2"	21.34	3.73	13.4	5.86	0.311
P8V206	SCH80 PVC PIP	3/4"	26.67	3.91	18.3	4.76	0.421
P8V256	SCH80 PVC PIP	1"	33.40	4.55	23.8	4.34	0.618
P8V326	SCH80 PVC PIP	1-1/4"	42.16	4.85	31.9	3.59	0.855
P8V406	SCH80 PVC PIP	1-1/2"	48.26	5.08	37.5	3.24	1.037
P8V506	SCH80 PVC PIP	2"	60.32	5.54	48.6	2.76	1.435
P8V656	SCH80 PVC PIP	2-1/2"	73.02	7.01	58.2	2.90	2.190
P8V806	SCH80 PVC PIP	3"	88.90	7.62	72.8	2.55	2.932
P8V1H6	SCH80 PVC PIP	4"	114.30	8.56	96.2	2.21	4.288
P8V106	SCH80 PVC PIP	5"	141.30	9.53	121.1	2.00	5.950
P8V1F6	SCH80 PVC PIP	6"	168.28	10.97	145.0	1.93	8.186
P8V2H6	SCH80 PVC PIP	8"	219.08	12.70	192.2	1.72	12.433
P8V2F6	SCH80 PVC PIP	10"	273.05	15.06	241.1	1.59	18.436
P8V3H6	SCH80 PVC PIP	12"	323.85	17.45	286.9	1.59	25.365
P8V3F6	SCH80 PVC PIP	14"	355.60	19.05	315.2	1.52	30.430
P8V4H6	SCH80 PVC PIP	16"	406.40	21.41	361.0	1.52	39.125
P8V4F6	SCH80 PVC PIP	18"	457.20	23.80	406.8	1.52	48.943
P8V5H6	SCH80 PVC PIP	20"	508.00	26.19	452.5	1.52	59.596
P8V6H6	SCH80 PVC PIP	24"	609.60	30.94	544.0	1.45	84.974

ADVANTAGES OF SCH80 PVC PIPE

- High chemical resistance and easy installation
- Reasonably priced, which can lead to the reduction of construction costs
- PVC can or should replace other materials of construction for all sorts of piping systems
- PVC (Polyvinyl Chloride) is a rigid pipe which has two highly-desirable characteristics:
 - o Good mechanical strength at high temperatures
 - o Higher chemical resistance compared to metal
- SCH80 PVC Pipe sizes range from 1/2" through to 24"
- PVC fittings and PVC valves are available for light, medium, and heavy duty use
- PVC is environmentally friendly polymer in terms of low carbonic acid gas emission in the manufacturing process

CHEMICAL RESISTANCE

PVC pipes are resistant to attack from strong acids, alkalis, salt solutions, alcohols, and many other chemicals. They are dependable on corrosive applications, transmit no tastes or odors to materials carried within them, nor do they react with materials carried or act as a catalyst. All possibility of contamination, or chemical process changes, and all dangers of clouding and slugging.

STRENGTH

PVC pipes are highly resilient, tough and durable products that have high tensile and high impact strength. They will withstand surprisingly high pressure for long periods.

Fire resistant PVC pipe products are self extinguishing and will not support combustion. They have an ASTM E-84 flame spread rate of 25 or less.

FREEDOM FROM TOXICITY, ODORS AND TASTES

PVC piping are non-toxic, odorless, and tasteless. They have been listed by the National Sanitation Foundation for use with potable water.

CORROSION FREE

With many other pipe materials, slight corrosion may occur. The corroded particles can contaminate the piped fluid, complicating further processing, or causing bad taste, odors, or discoloration. This is particularly undesirable when the piped fluid is for domestic consumption. With PVC there is no corrosive by-products, therefore, no contamination of the piped fluid

LOW FRICTION LOSS

The smooth interior surfaces of PVC pipes, compared to metal and other piping materials, assure low friction loss and high flow rates. Additionally, since PVC pipes will not rust, pit, scale, or corrode, the high flow rates will be maintained for the life of the piping system.

LOW THERMAL CONDUCTIVITY

PVC pipes have a much lower thermal conductivity factor than metal pipes. Therefore, fluids being piped, maintain a more constant temperature. In most cases, pipe insulation is not required.

INTERNAL CORROSION RESISTANCE

PVC pipes resist chemical attack by most acids, alkalis, salts, and organic media such as alcohols and aliphatic hydrocarbons, within certain limits of temperature and pressure. They provide the needed chemical resistance, while eliminating the disadvantages of special metals, lined piping, glass, wood, ceramics, or other special corrosion-resisting materials, which formerly had to be used.

EXTERNAL CORROSION RESISTANCE

Industrial fumes, humidity, saltwater, weather, atmospheric, or underground conditions, regardless of type of soil or moisture encountered, cannot harm rigid PVC plastic pipes. Scratches or surface abrasions do not provide points which corrosive elements can attack. PVC pipes are inherently immune to galvanic or electrolytic action. They can be used underground, underwater, in the presence of metals, and can also be connected to metals.

EASY INSTALLATION AND LOW INSTALLATION COST

PVC pipes are lightweight, convenient to handle, relatively flexible, and easy to install. For example, it is approximately 1/5 to 1/6 of for the weight of metal. They have smooth, seamless interior walls. No special tools are required for cutting. They can be installed using solvent cementing, threading, flanging techniques. These features lead to lower installed costs than conventional metal piping.

MAINTENANCE FREE

Once a PVC piping system is properly installed, it is virtually maintenance free. It will not rust, scale, pit, corrode, or promote build-up on the interior. Therefore, years of trouble-free service can be expected when using Eslon PVC

STANDARD APPROVED

PVC pipes comply with the industry standards and requirements as set forth by the American Society for Testing and Materials (ASTM) and the National Sanitation Foundation (NSF International).

PROPERTIES OF PVC PIPE

GENERAL	TEST METHOD	SI UNIT	
		UNIT	PVC
GENERAL			
Cell Classification	ASTM D1784	-	23447
Maximum Usable Temp.	-	C	93
Specific Gravity @ 73°F(23°C)	ASTM D792	g/cc	1.55+0.02
Water Absorption % increase 24 hrs@ 73°F(23°C)	ASTM D570	%	0.04
Hardness, Rockwell	ASTM D785	–	115-125
Poisson’s Rao @ 73°F(23°C)	ASTM D638	–	0.36
MECHANICAL			
Tensile Strength @ 73°F(23°C)	ASTM D638	Mpa	53.1
Tensile Strength @194 °F(90°C)	“	Mpa	22.1
Tensile Modulus of Elasticity @ 73°F(23°C)	“	GPa	2.62
Tensile Modulus of Elasticity @ 194°F(90°C)	“	Gpa	1.52
Flexural Strength @ 73°F(23°C)	ASTM D790	Mpa	89.6
Flexural Modulus of Elasticity @ 73°F(23°C)	“	Gpa	2.69
Compressive Strength @ 73°F(23°C) ε =10%	ASTM D695	Mpa	96.5
Compressive Modulus of Elasticity @ 73°F(23°C)	“	Gpa	1.00
Izod Impact, notched @ 73°F(23°C)	ASTM D256	J/m	1.60
THERMAL			
Coefficient of Linear Expansion	ASTM D696	m/m/c	7.0-8.0x10
Coefficient of Thermal Conductivity	ASTM C177	Watt /m/k	0.13
Heat Deflection Temperature Under Load (264psi, annealed)	ASTM D648	c	110
Specific Heat	ASTM D2766	J/K/g	1.1
ELECTRICAL			
Volume Resistivity	ASTM D257	ohm/cm	>1.0 X 10
Dielectric Strength	ASTM C149	volt/mm	>1000
Dielectric Constant	ASTM D150	-	3
Power Factor	“	-	0.01-0.02
Electrical Conductivity	“	-	Non conductor
FIRE PERFORMANCE			
Flammability Rating	UL-94	-	V-0,5VB,5VA
Flame Spread Index	“	-	<10
Average Time of Burning	ASTM D635	SEC	<5
Average Extent of Burning	“	mm	<10
Burning Rate	“	mm/min	Self extinguishing
Limiting Oxygen Index (LOI)	ASTM D2863	LOI	<10

14 | FLEXIBLE PVC PIPES

- Flexible PVC pipe with reinforcement made of rigid PVC, anti-shock and anti-trap.
- Outside diameter calibrated for a perfect bonding with specific fittings for pool application and for the application with compression joints
- Naturally flexible and easy to cut, these pipes are a good alternative to classic rigid pipe with a substantial saving on time and easy installation
- Conforms with UNI EN ISO 3994
- Diameters: 20mm x 25mm, 25mm x 32mm - idro 43mm x 50mm, 55mmx63mm
- Smooth internal surfaces HYCLOR substructed
- Resistant to chlorine, up to 10.000 ppm
- High resistance to abrasion
- High crush resistance
- Temperature use: -5°C/+60°C
- For public and private pools and whirlpools
- Ideal for skimmer and overflow edge technology
- Suitable for connection using glue or compression fitting



CODE	EXTERNAL DIAMETER	INTERNAL DIAMETER	THICKNESS	WORKING PRESSURE AT 23 °C	WORKING PRESSURE AT 23 °C	VACUUM (MH2O)	RADIUS OF CURVATURE	WEIGHT/LM
	mm	mm	mm	BAR	BAR	BAR	mm	g/m
100200901	22	20	2.7	7	21	7	80	250
100200902	32	25	3.6	7	21	7	100	395
100200910	50	43	3.6	7	21	7	170	680
100200911	63	55	4,1	5	15	7	220	1000



18 FOUNTAIN NOZZLES

INDEX



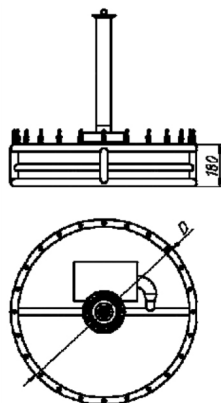
01	FOUNTAINS	497
02	FOUNTAIN NOZZLES	508
03	FOUNTAIN LIGHTS	524
04	FOUNTAIN PUMPS	530



01 | FOUNTAINS

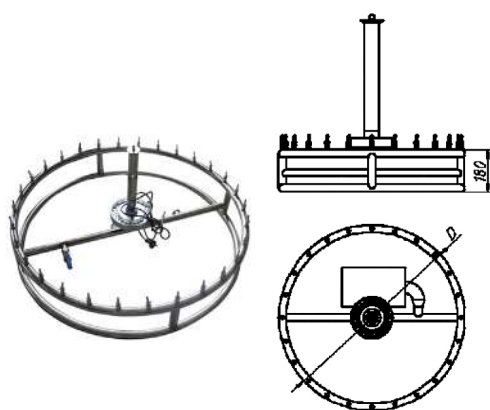
DESIGN AQUA 01

- Water dancing fountain for indoor and outdoor use
- RGB, white and warm white fountain lights
- Iron or AISI-304 stainless steel submersible pump
- AISI-304 stainless steel fountain nozzle
- Voltage: 110-220V 50/60Hz
- Cable: IEC standard
- Optional controller



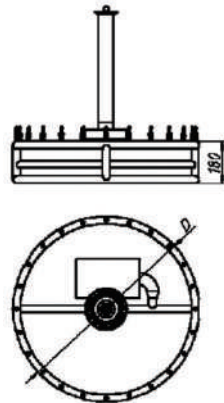
CODE	AQ01-680	AQ01-800	AQ01-1000
BODY DIAMETER 'D'	68 cm	80 cm	100 cm
PUMP POWER	130 watts	155 watts	170 watts
WATER HEIGHT	0.7-0.9 m	0.7-1.1 m	0.7-1.3 m
WATER COVER DIAMETER	0.7 m	0.9 m	1.1 m
PACKING SIZE	72 x 72 x 24 cm	84 x 84 x 24 cm	104 x 104 x 25 cm
GROSS WEIGHT	10 kg	12 kg	15 kg

DESIGN AQUA 02



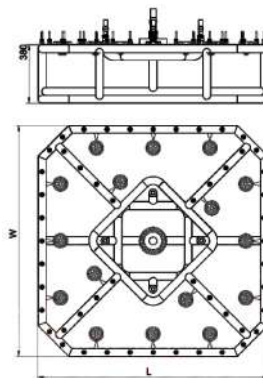
CODE	AQ02-680	AQ02-800	AQ02-1000
BODY DIAMETER 'D'	68 cm	80 cm	100 cm
PUMP POWER	130 watts	155 watts	170 watts
WATER HEIGHT	0.4 m	0.5 m	0.6 m
WATER COVER DIAMETER	0.7 m	0.9 m	1.1 m
PACKING SIZE	72 x 72 x 24 cm	84 x 84 x 24 cm	104 x 104 x 25 cm
GROSS WEIGHT	10 kg	12 kg	15 kg

DESIGN AQUA 03



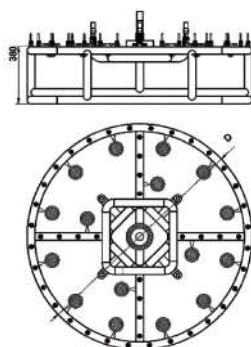
CODE	AQ03-680	AQ03-800	AQ03-1000
BODY DIAMETER 'D'	68 cm	80 cm	100 cm
PUMP POWER	130 watts	155 watts	170 watts
WATER HEIGHT	0.6 m	0.7 m	0.8 m
WATER COVER DIAMETER	0.9 m	1 meter	1.2 m
PACKING SIZE	72 x 72 x 24 cm	84 x 84 x 24 cm	104 x 104 x 25 cm
GROSS WEIGHT	10 kg	12 kg	15 kg

DESIGN AQUA 04



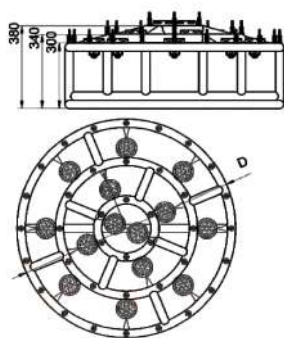
CODE	AQ04-1000	AQ04-1200	AQ04-1500
BODY SIZE L x W	60 x 60 cm	80 x 80 cm	100 x 100 cm
PUMP POWER	800 watts	110 watts	1500 watts
WATER HEIGHT	2 m	4 m	6 m
WATER COVER DIAMETER	1.2 m	1.8 m	3.0 m
PACKING SIZE	104 x 104 x 42 cm	124 x 124 x 42 cm	154 x 154 x 42 cm
GROSS WEIGHT	40 kg	45 kg	55 kg

DESIGN AQUA 05



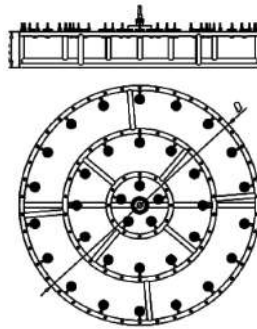
CODE	AQ05-1000	AQ05-1200	AQ05-1500	AQ05-2000	AQ05-2500
BODY Ø 'D'	1 m	1.2 m	1.5 m	2 m	2.5 m
PUMP POWER	0.8 kW	1.1 kW	1.5 kW	2.2 kW	3 kW
WATER HEIGHT	2 m	4 m	6 m	8 m	10 m
WATER COVER	Ø 1.2 m	Ø 1.8 m	Ø 3.0	Ø 5.0	Ø 7.0
PACKING SIZE	104 x 104 x 42 cm	124 x 124 x 42 cm	154 x 154 x 42 cm	204 x 204 x 42 cm	254 x 254 x 42 cm
GROSS WEIGHT	40 kg	45 kg	55 kg	110 kg	155 kg

DESIGN AQUA 06



CODE	AQ06-800	AQ06-1000	AQ06-1200	AQ06-1500
BODY DIAMETER 'D'	0.8 m	1 m	1.2 m	1.5 m
PUMP POWER	0.8 kW	1.1 kW	1.5 kW	2.2 kW
WATER HEIGHT	2 m	2.5 m	4.8 m	2.5 m
WATER COVER	Ø 1.2 m	Ø 1.5 m	Ø 1.8 m	Ø 2.5 m
PACKING SIZE	84 x 84 x 42 cm	104 x 104 x 42 cm	124 x 124 x 42 cm	154 x 154 x 42 cm
GROSS WEIGHT	40 kg	75 kg	85 kg	115 kg

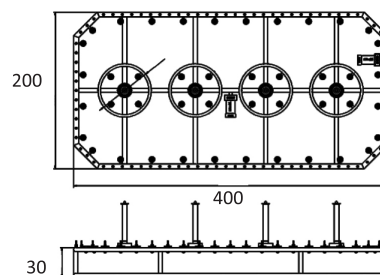
DESIGN AQUA 07



CODE	AQ07-680	AQ07-800	AQ07-1000
BODY DIAMETER 'D'	68 cm	80 cm	100 cm
PUMP POWER	130 watts	155 watts	170 watts
WATER HEIGHT	0.6 m	0.7 m	0.8 m
WATER COVER DIAMETER	0.9 m	1 meter	1.2 m
PACKING SIZE	72 x 72 x 24 cm	84 x 84 x 24 cm	104 x 104 x 25 cm
GROSS WEIGHT	10 kg	12 kg	15 kg



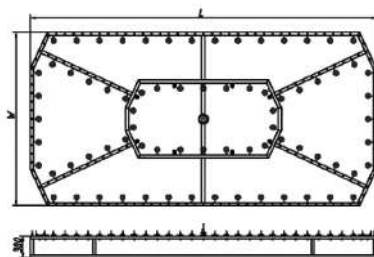
DESIGN AQUA 08



CODE	AQ08-4020
BODY SIZE	400 x 200 cm
PUMP POWER	2 x 1.5 kW
WATER HEIGHT	1 m
LED LIGHTS	48 pcs
ADJUSTABLE NOZZLES	120 psc
MUSHROOM NOZZLES	4 pcs
SUBMESIBLE PUMPS	2 pcs
ELECTRICAL VALVE	4 pcs
PACKING SIZE	404 x 204 x 42 cm
GROSS WEIGHT	450 kg

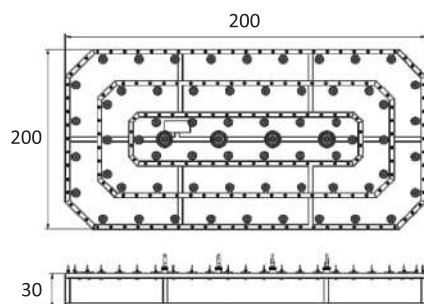


DESIGN AQUA 09



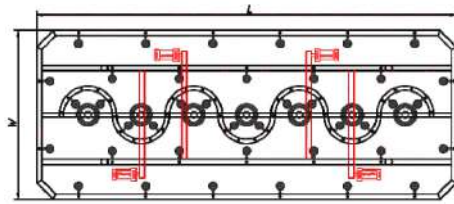
CODE	AQ09-4020
BODY SIZE	400 x 200 cm
PUMP POWER	3 x 1.5 kW
WATER HEIGHT	7 m
LED LIGHTS	72 pcs
ADJUSTABLE NOZZLES	114 psc
MUSHROOM NOZZLES	1 pcs
SUBMESIBLE PUMPS	3 pcs
ELECTRICAL VALVE	12 pcs
BALL VALVE	15 pcs
PACKING SIZE	404 x 204 x 42 cm
GROSS WEIGHT	480 kg

DESIGN AQUA 10



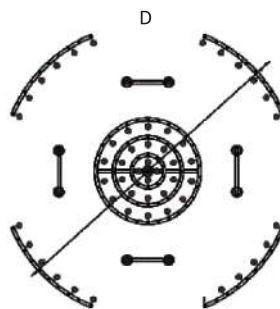
CODE	AQ10-4020
BODY SIZE	400 x 200 cm
PUMP POWER	5 x 1.1 kW
WATER HEIGHT	5 m
LED LIGHTS	66 pcs
ADJUSTABLE NOZZLES	174 psc
JADE CHOPSTICK NOZZLES	5 pcs
SUBMESIBLE PUMPS	5 pcs
ELECTRICAL VALVE	4 pcs
PACKING SIZE	404 x 204 x 42 cm
GROSS WEIGHT	480 kg

DESIGN AQUA 11



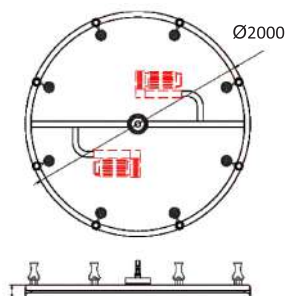
CODE	AQ11-4020	AQ11-5020	AQ11-8025
BODY SIZE	400 x 200 cm	500 x 200 cm	800 x 250 cm
PUMP POWER	8 x 1.1 kW	8 x 1.1 kW	8 x 1.5 kW
WATER HEIGHT	5 m	5 m	7 m
LED LIGHTS	37 pcs	47 pcs	94 pcs
ADJUSTABLE NOZZLES	36 pcs	40 pcs	88 pcs
FAN SHAPE NOZZLE	8 pcs	8 pcs	18 pcs
AIR IN NOZZLE	16 pcs	22 pcs	20 pcs
1.5" ADJUSTABLE	5 pcs	7 pcs	13 pcs
SUBMERSIBLE PUMPS	8 pcs	8 pcs	8 pcs
ELECTRICAL VALVE	8 pcs	8 pcs	8 pcs
PACKING SIZE	404 x 204 x 42 cm	504 x 204 x 42 cm	404 x 204 x 42 cm
GROSS WEIGHT	490 kg	650 kg	680 kg

DESIGN AQUA 12



CODE	AQ12-4020	AQ12-5020
BODY DIAMETER "D"	5 m	7 m
PUMP POWER	10 x 1.1 kW	10 x 1.1 kW
WATER HEIGHT	10 m	10 m
LED LIGHTS	63 pcs	81 pcs
"1/2" ADJUSTABLE NOZZLES	60 pcs	80 pcs
"1" ADJUSTABLE NOZZLES	40 pcs	72 pcs
TOWER CEDAR NOZZLES	8 pcs	8 pcs
SUBMERSIBLE PUMPS	10 pcs	10 pcs
ELECTRICAL VALVE	10 pcs	10 pcs
PACKING SIZE	500 x 500 x 50 cm	700 x 700 x 50 cm
GROSS WEIGHT	500 kg	600 kg

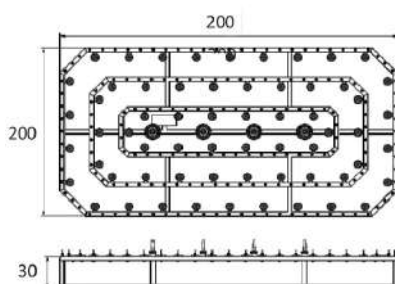
DESIGN AQUA 13



CODE	AQ13-2000
BODY DIAMETER	2 m
PUMP POWER	2 x 1.5 kW
WATER HEIGHT	4 m
LED LIGHTS	9 pcs
ADJUSTABLE NOZZLES	8 psc
JADE CHOPSTICK NOZZLES	1 pcs
SUBMESIBLE PUMPS	2 pcs
ELECTRICAL VALVE	2 pcs
PACKING SIZE	204 x 204 x 42 cm
GROSS WEIGHT	120 kg

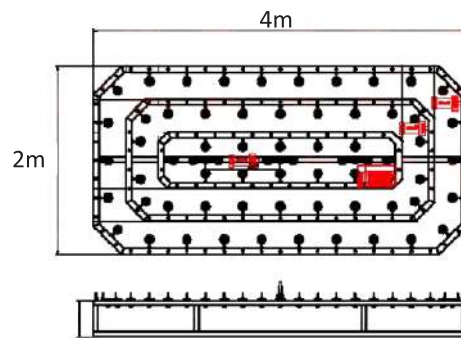
DESIGN AQUA 14

- Customised fountain sizes
- Water spray height: 0 – 10m
- Manufactured in AISI-304 stainless steel
- Iron or AISI-304 stainless steel submersible pump
- Plastic or AISI-304 stainless steel lamps
- RGB fountain lights
- Voltage: 110-220V 50/60Hz
- Built-in control to play with music pattern



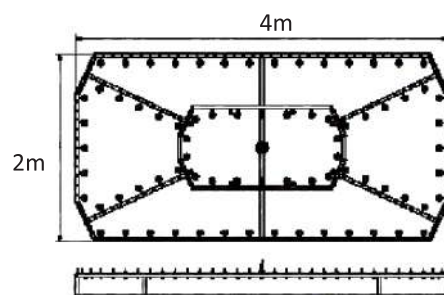
CODE	AQ14-4535
BODY SIZE	4.5 x 3.5 m
PUMP POWER	8 x 1.5 kW
WATER HEIGHT	6 m
LED LIGHTS	71 pcs
1/2" ADJUSTABLE NOZZLES	166 psc
J1.5" ADE CHOPSTICK NOZZLES	1 pcs
SUBMESIBLE PUMPS	8 pcs
ELECTRICAL VALVE	8 pcs
PACKING SIZE	210 x 210 x 30 cm
GROSS WEIGHT	250 kg

DESIGN AQUA 15



CODE	AQ15-4020
BODY DIAMETER	400X 200 cm
PUMP POWER	5 x 1.1 kW
WATER HEIGHT	5 m
LED LIGHTS	66 pcs
ADJUSTABLE NOZZLES	174 pcs
JADE CHOPSTICK NOZZLES	5 pcs
SUBMESIBLE PUMPS	5 pcs
ELECTRICAL VALVE	4 pcs
PACKING SIZE	404 x 204 x 42 cm
GROSS WEIGHT	490 kg

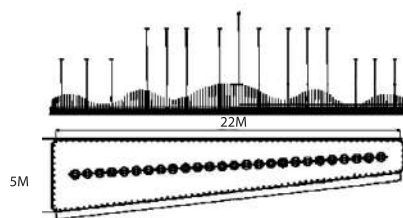
DESIGN AQUA 16



CODE	AQ16-4020
BODY DIAMETER "D"	4 x 2m
PUMP POWER	2 X 1.5 kW
WATER HEIGHT	5 m
LED LIGHTS	61 pcs
"1/2" ADJUSTABLE NOZZLES	114 pcs
"1" ADJUSTABLE NOZZLES	1 pcs
TOWER CEDAR NOZZLES	6 pcs
SUBMESIBLE PUMPS	2 pcs
ELECTRICAL VALVE	8 pcs
PACKING SIZE	404 x 204 x 42 cm
GROSS WEIGHT	140 kg

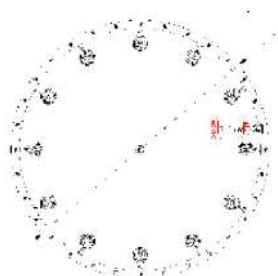
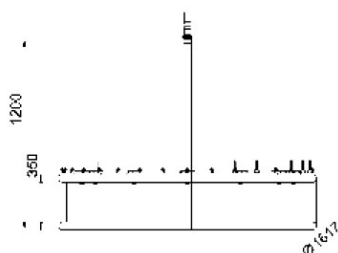


DESIGN AQUA 17



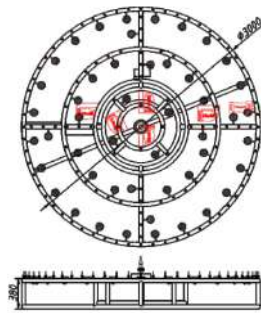
CODE	AQ17-2250
BODY SIZE	22 x 5 m
PUMP POWER	9 x 1.5 kW
WATER HEIGHT	10 m
LED LIGHTS	248 pcs
"1/2" ADJUSTABLE NOZZLES	256 pcs
"1/5" ADJUSTABLE NOZZLES	26 pcs
SUBMESIBLE PUMPS	9 pcs
ELECTRICAL VALVE	16 pcs
PACKING SIZE	2200 x 500 x 50 cm
GROSS WEIGHT	1000 kg

DESIGN AQUA 18



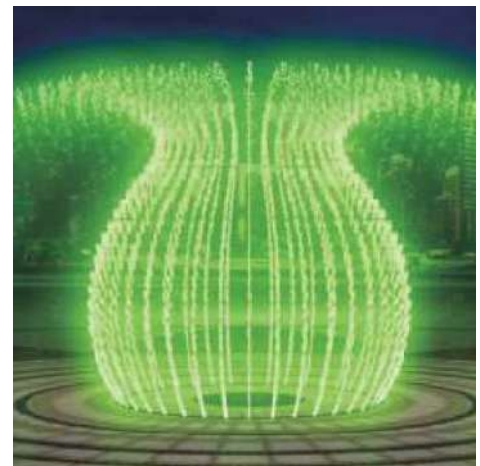
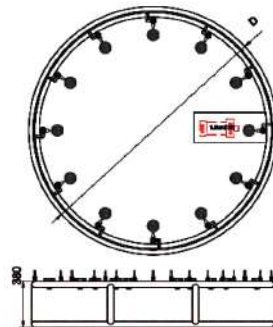
CODE	AQ18-1800
BODY DIAMETER	1.8m
PUMP POWER	1 x 1.5 kW
WATER HEIGHT	3 m
LED LIGHTS	13 pcs
"1/2" ADJUSTABLE NOZZLES	32 pcs
"1/5" ADJUSTABLE NOZZLES	1 pcs
SUBMESIBLE PUMPS	1 pcs
PACKING SIZE	184 x 184 x 42 cm
GROSS WEIGHT	80 kg

DESIGN AQUA 19



CODE	AQ19-3000
BODY DIAMETER	3 m
PUMP POWER	6 x 1.1 kW
WATER HEIGHT	8 m
LED LIGHTS	49 pcs
"1/2" ADJUSTABLE NOZZLES	120 pcs
"1/5" ADJUSTABLE NOZZLES	1 pcs
CASCADE NOZZLE	4 pcs
SUBMERSIBLE PUMPS	6 pcs
PACKING SIZE	304 x 154 x 80 cm
GROSS WEIGHT	220 kg

DESIGN AQUA 20

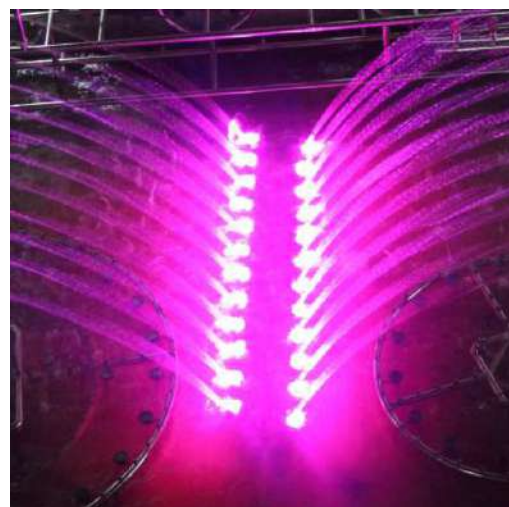
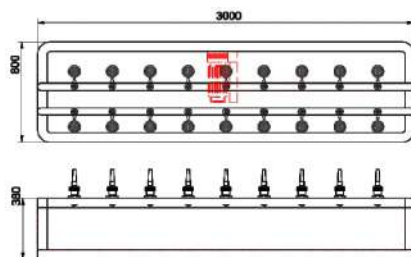


CODE	AQ20-2000	AQ20-3000	AQ20-4000	AQ20-5000	AQ20-6000	AQ20-8000
BODY DIAMETER "D"	2 m	3 m	4 m	5 m	6 m	8 m
PUMP POWER	1 x 1.5 kW	1 x 2.2 kW	1 x 5.5 kW	2 x 4 kW	5 x 5.5 kW	4 x 5.5 kW
SWING MOTOR POWER	1 x 1.1 kW	1 x 1.1 kW	1 x 1.5 kW	1 x 2.2 kW	1 x 3 kW	4 x 4 kW
WATER HEIGHT	2.5 m	3.5 m	4.5 m	5.5 m	6.5 m	9 m
WATER COVER	Ø 7 m	Ø 10 m	Ø 13 m	Ø 16 m	Ø 19 m	Ø 26 m
DIRECT NOZZLES	25 pcs	38 pcs	42 pcs	53 pcs	63 pcs	72 pcs
LED LIGHTS	25 pcs	38 pcs	42 pcs	53 pcs	63 pcs	72 pcs
PACKING SIZE	204 x 204 x 40 cm	305 x 305 x 80 cm	405 x 405 x 80 cm	505 x 505 x 80 cm	605 x 605 x 80 cm	805 x 805 x 80 cm
GROSS WEIGHT	120 kg	180 kg	220 kg	260 kg	300 kg	380 kg



DESIGN AQUA 21

- Water height: 3m, 4m and 5m
- Manufactured in AISI-304 stainless steel
- RGB fountain lights
- Stainless steel or cast iron submersible pump
- AISI-304 stainless steel fountain nozzle
- With swing motor
- Voltage: 110V/220V/380V, 50/60Hz
- Packing: wood frame



CODE	AQ21-2000	AQ21-3000	AQ21-4000
BODY SIZE	200 x 30 cm	300 x 30 cm	400 x 30 cm
PUMP POWER	1 x 1.5 kw	1 x 2.2 kw	1 x 5.5 kw
SWING MOTOR POWER	1 x 1.1 kw	1 x 1.5 kw	1 x 2.2 kw
WATER HEIGHT	3 m	4 m	5 m
WATER COVER DIAMETER	6 m	8 m	10 m
DIRECT NOZZLES	20 pcs	30 pcs	38 pcs
LED LIGHTS	20 pcs	30 pcs	38 pcs
PACKING SIZE	204 x 34 x 40 cm	304 x 34 x 40 cm	404 x 34 x 40 cm
GROSS WEIGHT	80 kg	90 kg	120 kg

CONTROLLER

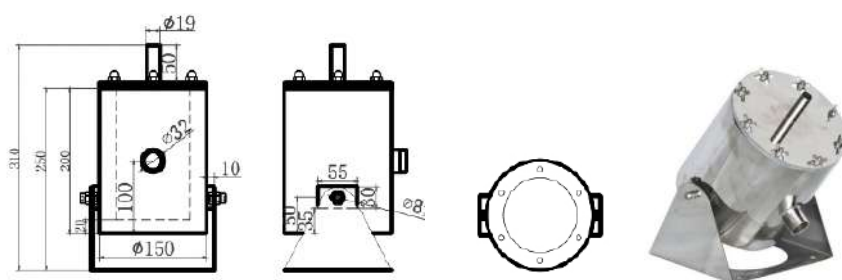
CODE	JFC-001
VOLTAGE	220V
SIZE	550 W
FEATURE	CAN CONTROL A SERIES JUMPING
PACKING SIZE	25 x 25 x 25 cm
GROSS WEIGHT	15 kg



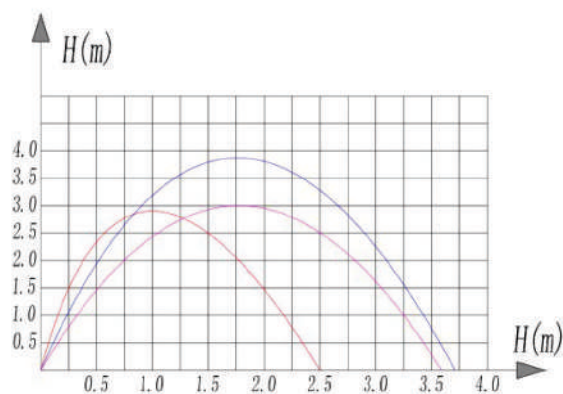
02 | FOUNTAIN NOZZLES

LAMINAR JET

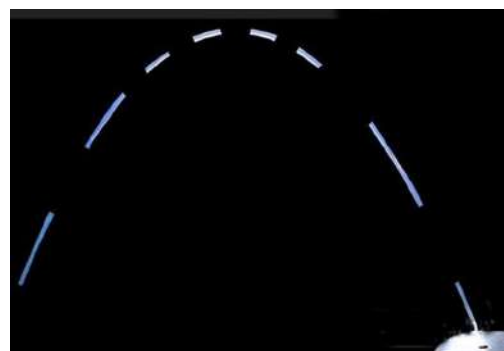
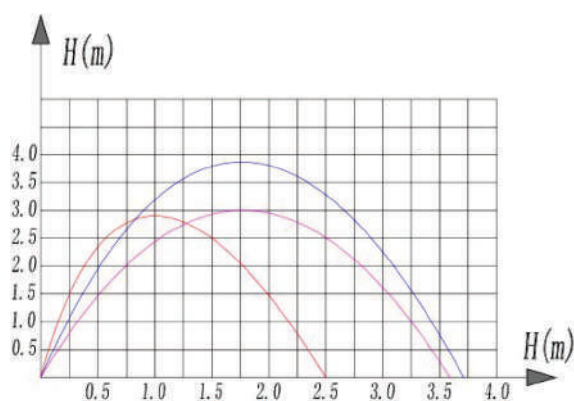
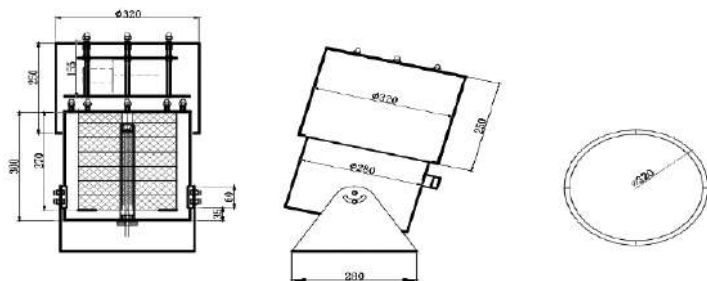
The laminar jumping fountain, produces smooth and clean jets of water in an arch shaped column without creating spray or splashes. The jets can be set to a specific track and can rotate vertically to produce a column of water with heights of up to 4m and a distance of 3.5m



CODE	FL-15(150)	FL-25(250)
DIMENSION	205 x 150 x 310 mm	300 x 250 x 470 mm
LIGHT TYPE	RGB	RGB
JET DIAMETER	Ø12 mm	Ø12 mm
VOLUME	1300 L/H	1300 L/H
PUMP	120 W	140 W
MATERIAL	St St. AISI 304 L	St St. AISI 304 L
WEIGHT	3.6 kg	9.8 kg
Rotating RANGE	180°	180°
EXTERNAL CONTROLLER	NO	NO
WATER QUALITY REQUIREMENT	CLEAN	CLEAN



JUMPING JET



CODE	FL-SO28
DIMENSION	330 x 280 x 590 mm
LIGHT TYPE	RGB
JET DIAMETER	Ø14 mm
VOLUME	16000 L/H
PUMP	140 W
MATERIAL	304
WEIGHT	18 kg
ROTATERING RANGE	120°
EXTERNAL CONTROLLER	YES
WATER QUALITY REQUIREMENT	CLEAN

STRAIGHT IN SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0001	1-1/2"	50-100	25-35	5-10	1-1.5	1450	STAINLESS STEEL AISI304
AQN0002	2"	100-150	30-40	8-10	1-1.5	1630	
AQN0003	2-1/2"	100-150	40-50	8-12	1.5-3.5	2980	
AQN0004	3"	150-200	50-60	12-15	2-4	3600	

MANY BRANCH JADE CHOPSTICK SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0005	1-1/2"	60-100	2-4	0.5-2	PARABOLA	280	STAINLESS STEEL AISI304
AQN0006	3/4"	80-100	4-9	1-3	PARABOLA	415	
AQN0007	1"	180-250	8-15	1.5-4	PARABOLA	565	
AQN0008	1-1/2"	250-290	15-20	2-5	PARABOLA	685	
AQN0009	2"	320-350	22-26	3-8	PARABOLA	725	

ADJUSTABLE JADE CHOPSTICK SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0010	1"	50-100	6-12	1.5-5.5	0.5-0.8	285	STAINLESS STEEL AISI304
AQN0011	1-1/2"	50-200	10-15	2-7	0.6-1.0	505	

MUSHROOM NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0012	1/2"	20-40	1	0.2	0.3	245	STAINLESS STEEL AISI304
AQN0013	3/4"	30-40	1.5	0.25	0.5	325	
AQN0014	1"	30-50	2	0.25	0.6	380	
AQN0015	1-5"	50-60	3	0.3	0.7	450	
AQN0016	2"	60-70	4	0.3	0.8	560	

STRAIGHT IN SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0017	3/4"	50-100	2-5	0.2-0.4	0.1-0.3	170	STAINLESS STEEL AISI304
AQN0018	1"	50-100	3.5-8	0.3-0.5	0.2-0.4	235	
AQN0019	1-1/2"	50-100	10-18	0.4-0.8	0.3-0.5	435	
AQN0020	3"	60-150	17-25	0.4-0.8	0.3-0.6	780	

PHOENIX FLOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0022	3/4"	50-70	2-4	2-3	RAY	450	STAINLESS STEEL AISI304
AQN0023	1"	50-80	5-8	2-3	RAY	830	
AQN0024	1-1/2"	50-15	7-10	2-3	RAY	1200	

DIRECTIONAL TOWER CEDAR NOZZLE



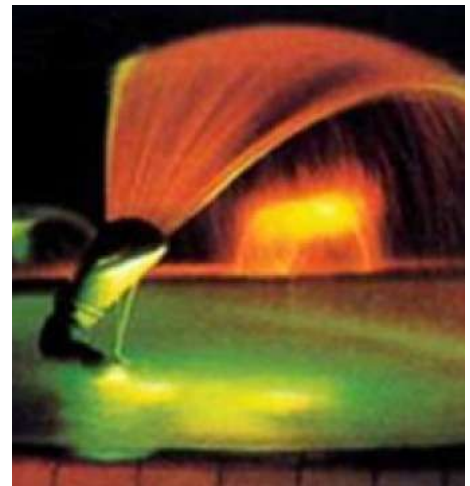
MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0025	1/2"	40-200	2-4	1-4	0.2	147	STAINLESS STEEL AISI304
AQN0026	3/4"	40-200	2-4	1-4	0.2	147	
AQN0027	1"	40-200	6-10	1-4	0.3	400	
AQN0028	1-1/2"	50-330	8-20	1-8	0.6	880	
AQN0029	2"	50-400	12-25	1-10	1.0	1260	
AQN0030	3"	80-550	18-35	1-15	2.0	2480	

DIRECTIONAL TOWER CEDAR NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0031	3/4"	40-200	2-4	2-4	0.2	245	STAINLESS STEEL AISI304
AQN0032	1"	40-200	6-10	1-6	0.3	470	
AQN0033	1-1/2"	50-330	8-20	1-8	0.6	875	
AQN0034	2"	50-400	12-25	1-10	1.0	1285	
AQN0035	3"	50-450	21-50	1-12	1.5	4155	

ADJUSTABLE FAN-SHAPED NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0036	3/4"	30-50	2-3	0.2-0.6	0.4-0.8	420	STAINLESS STEEL AISI304
AQN0037	1"	30-80	4-8	0.3-0.8	0.6-1.2	675	
AQN0038	1-1/2"	30-80	10-18	0.5-1.0	0.8-1.5	725	
AQN0039	3"	60-120	24-26	1.0-2.3	1.5-2.5	800	

FIREWORKS SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0040	1"	40-100	7-10	2-3.5	2-3	505	STAINLESS STEEL AISI304
AQN0041	1-1/2"	50-100	9-13	2-4	2.5-4	530	

SPIRAL FOG NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0042	1/2"	40-80	0.2-0.5	1-2	0.5-1	65	STAINLESS STEEL AISI304
AQN0043	3/4"	40-80	0.3-1	1-3	1-2	105	
AQN0044	1"	40-80	1-1.2	1-3	1-3	165	

STYLE SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0045	1"	50-100	2-4	2-3	2-3	395	STAINLESS STEEL AISI304
AQN0046	1-1/2"	40-200	60-120	2-4	2-4	605	
AQN0047	2"	50-330	70-130	2-4	2-4	785	

BUBBLE NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0048	1"	50-100	3.5-8	0.3-0.5	0.2-0.4	265	STAINLESS STEEL AISI304
AQN0049	1-1/2"	50-100	10-18	0.4-0.8	0.3-0.6	420	

ADJUSTABLE JADE CHOPSTICK SHOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	WEIGHT (G)	MATERIALS
AQN0050	1"	50-120	0.2-0.5	3	620	STAINLESS STEEL AISI304
AQN0051	1.5"	50-120	3.0-7.0	4	480	



PETUNIA NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0052	1"	5-8	3	0.25	0.6	365	STAINLESS STEEL AISI304
AQN0053	1-1/2"	6-10	4	0.4	1.0	520	
AQN0054	2"	6-10	7	0.5	1.5	840	

FOLD SILVER
MUSHROOM
NOZZLE

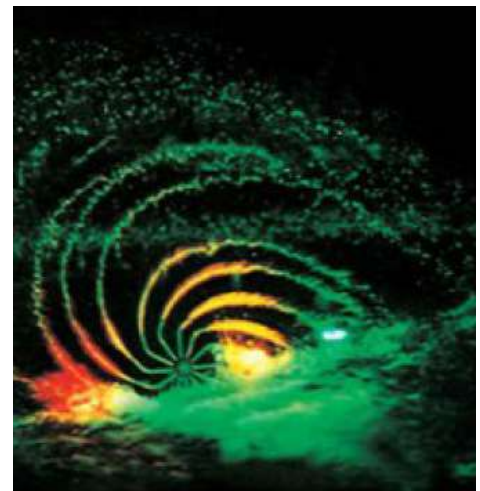
MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	WEIGHT (g)	MATERIALS
AQN0055	1"	50-120	0.2-0.5	3	620	STAINLESS STEEL AISI304
AQN0056	1.5"	50-120	3.0-7.0	4	480	

ROTATING SPRAYING NOZZLE



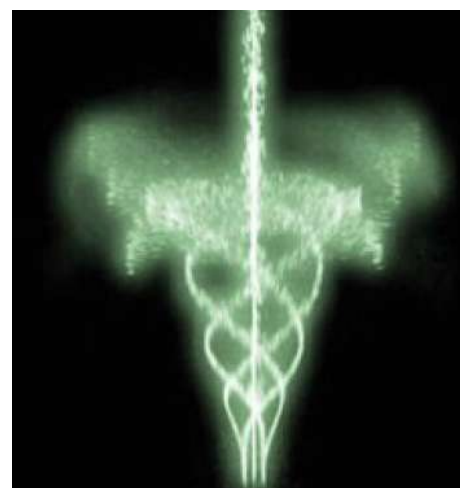
MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0057	1"	75	3.5	3	1.0-1.5	730	STAINLESS STEEL AISI304
AQN0058	1-1/2"	100	10	4	1.5-2.5	965	
AQN0059	2"	150	18	5	1.5-4.0	1410	

HOT WHEEL NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0060	1"	75	3.5	3	1.0-1.5	730	STAINLESS STEEL AISI304
AQN0061	1-1/2"	100	10	4	1.5-2.5	965	
AQN0062	2"	150	18	5	1.5-4.0	1410	

ROATATING SPRAYING NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0063	1"	75	3.5	3	1.0-1.5	730	STAINLESS STEEL AISI304
AQN0064	1-1/2"	100	10	4	1.5-2.5	965	
AQN0065	2"	150	18	5	1.5-4.0	1410	

FULL STAINLESS STEEL EUROPE STYLE NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0066	1"	60-180	3.6-6.0	2.7	0.3-0.8	2200	STAINLESS STEEL AISI304
AQN0067	1.5"	100-250	4-8	3.5	0.5-1	2400	
AQN0068	1-5"	200-300	4-8	6	1-1.2	2600	
AQN0069	2"	250-500	5-10	10	1.2-2	2800	

ADJUSTABLE THREE FLOWER NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0071	1"	100-200	15-20	3-6	0.3-0.5	760	STAINLESS STEEL AISI304
AQN0072	1.5"	120-200	23-33	5-7	0.6-0.8	800	

COLLECTING STRAIGHT IN NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	WEIGHT (g)	MATERIALS
AQN0073	1"	50-120	2.0-6.0	0.4-1.2	480	STAINLESS STEEL AISI304
AQN0074	1.5"	50-150	3.0-8.0	0.5-1.5	620	

JADE WITH SILVER MMUSHROOM



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m ³ /hr)	SPRAY HEIGHT (mtr)	WEIGHT (g)	MATERIALS
AQN0075	1"	50-120	2.0-6.0	0.4-1.2	480	STAINLESS STEEL AISI304
AQN0076	1.5"	50-150	3.0-8.0	0.5-1.5	620	

DANDELION CRYSTAL BALL NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m ³ /hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	NOTES	MATERIALS
AQN0078	1"	60-100	8	0.4	0.6	800	31	STAINLESS STEEL AISI304
AQN0079	1-1/2"	80-100	10	0.5	0.8	4500	41	
AQN0080	2"	80-100	13	0.7	1.0	13800	65	
AQN0081	3"	80-100	30	1.0	0.8	31000	105	

EUROPE STYLE NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)	MATERIALS
AQN0082	1"	60-180	3.6-6.0	2.7	0.3-0.8	1650	STAINLESS STEEL AISI304

ADJUSTABLE DIRECTED HIGH NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	WEIGHT (g)	MATERIALS
AQN0083	M10	50-100	0.1-0.5	1-3	40	STAINLESS STEEL AISI304
AQN0084	1/2"	50-150	0.3-1.5	1-6	90	
AQN0085	3/4"	50-150	1-3	1-8	145	
AQN0086	1"	50-150	2-4	3-12	180	
AQN0087	1-1/2"	50-150	3-6	3-15	535	
AQN0088	2"	50-150	5-8	3-20	750	
AQN0089	2-1/2"	50-200	6-10	4-20	800	
AQN0090	3"	50-250	8-12	5-30	900	
AQN0091	4"	50-300	10-16	6-40	1000	

NEW ROTATING NOZZLE



MODEL NO	CONNECTIONS	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (g)
AQN0092	Dn40	150-450	29	2-5	3	200
AQN0093	Dn50	150-450	38	2-6	3.5	300
AQN0094	Dn65	150-450	47	2.5-8	4	400

FAN-SHAPED NOZZLE



MODEL NO	JOINT SIZE	PRESSURE (kpa)	DISCHARGE (m3/hr)	SPRAY HEIGHT (mtr)	COVER DIAMETER (mtr)	WEIGHT (G)
AQN0095	Dn50	150-350	16.5	3-10	2	300

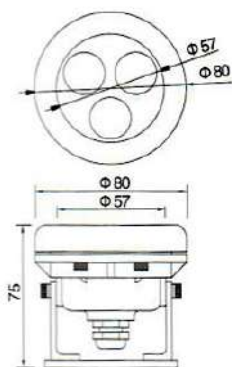
03 | FOUNTAIN LIGHTS

STAINLESS STEEL LED ROTATABLE STAND LIGHT MOD 1

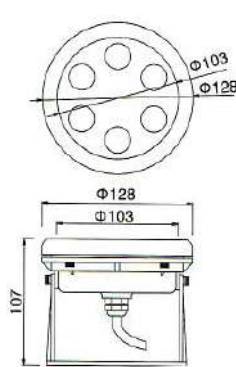
- Beam angle: 30o (standard) or 10o, 60o, 90o and 120o (optional)
- Available colours: White, warm white and RGB
- Lifespan: 50,000hrs, L70 @ 25C
- Single colour or auto RGB colour control change, 4 wires
- Colour change with remote control (DM x 512)
- Installation method: clamp type, disc type, U shape bracket (optional)
- Manufactured in AISI-304 stainless steel,
- High light transmission
- Tempered glass, anti-aging silicone sealing ring
- Cable: 1m waterproof underwater cable
- Operating temperature: -40°C ~ +45°C
- Ambient temperature - 40°C ~ +70°C
- Certification: CE, RoHs, ISO9001
- Waterproof rating: IP68



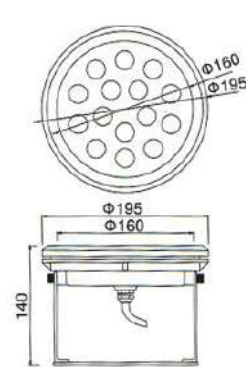
AQ-80-MOD1



AQ-128-MOD1



AQ-195-MOD1



CODE	DESCRIPTION	WATT	VOLTAGE	NO OF LED	PACKING	WEIGHT	VOLUME
			AC/DC			Kg	m³
AQ-80-MOD1	Stainless Steel Led Rotatable Stand Light	3	24V	3x1w	1	1.0	
AQ-128-MOD1		9	24V	9x1w	1	2.5	
AQ-195-MOD1		15	24V	15x1w	1	3.0	

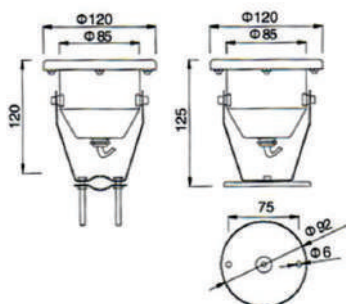
PS: add at the end of the code -W for white color, -WW for warm white color, -RGB for color changing



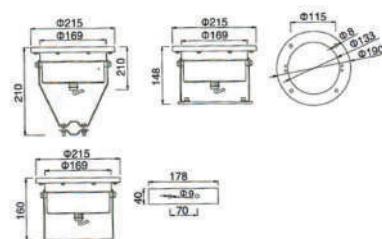
STAINLESS STEEL LED ROTATABLE STAND LIGHT MOD2



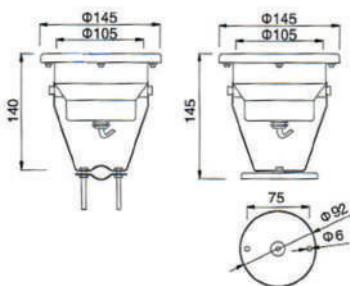
AQ-120-MOD2



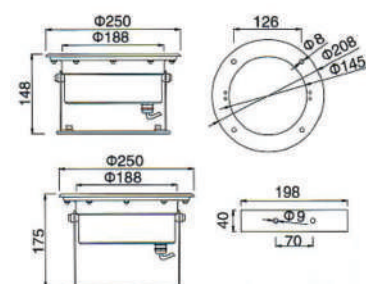
AQ-215-MOD2



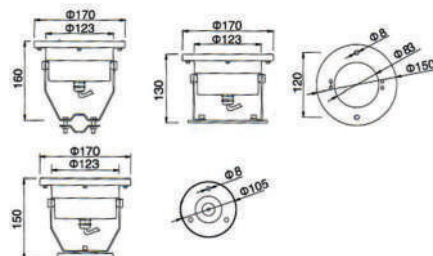
AQ-145-MOD2



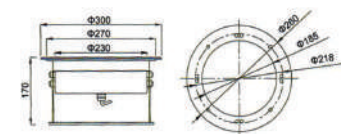
AQ-250-MOD2



AQ-170-MOD2



AQ-300-MOD2



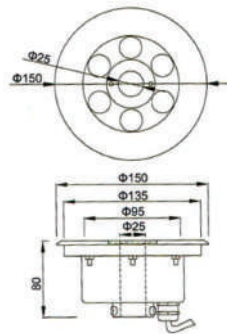
CODE	DESCRIPTION	WATT	VOLTAGE	NO OF LED	PACKING	WEIGHT	VOLUME
			AC/DC			Kg	
AQ-120-MOD2	Stainless Steel Led Rotatable Stand Light	3	24V	3x1w	1	0.8	
AQ-145-MOD2		9	24V	9x1w	1	1.2	
AQ-145-MOD2-3		18	24V	6x3w	1	1.2	
AQ-170-MOD2		15	24V	15x1w	1	1.8	
AQ-170-MOD2-3		36	24V	12x3w	1	1.8	
AQ-215-MOD2		30	24V	30x1w	1	2.5	
AQ-215-MOD2-3		54	24V	18x3w	1	2.5	
AQ-250-MOD2		45	24V	45x1w	1	3.7	
AQ-250-MOD2-3		72	24V	24x3w	1	3.7	
AQ-300-MOD2		72	24V	72x1w	1	6.0	
AQ-300-MOD2-3		144	24V	48x3w	1	6.0	

PS: add at the end of the code -W for white color, -WW for warm white color, -RGB for color changing

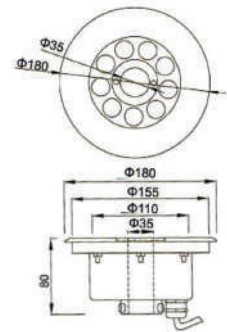
STAINLESS STEEL FOUNTAIN NOZZLE LIGHT MOD1



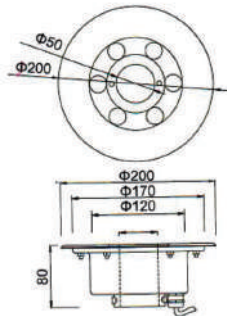
AQ-150-FNL1



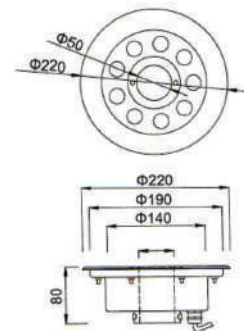
AQ-180-FNL1



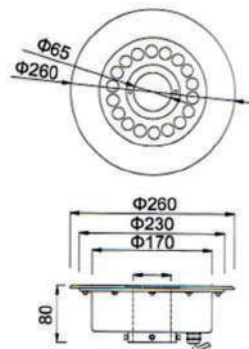
AQ-200-FNL1



AQ-220-FNL1



AQ-260-FNL1



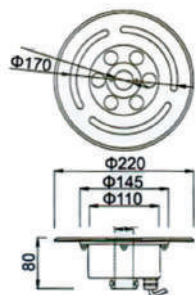
CODE	DESCRIPTION	WATT	VOLTAGE	CENTER HOLE A	NO OF LED	PACKING	WEIGHT	VOLUME
			AC/DC				Kg	m ³
AQ-150-FNL1	Stainless Steel Foun- tain Nozzle Light	6	24V	25	3x1w	1	1.5	
AQ-180-FNL1		6	24V	35	6x1w	1	2.0	
AQ-200-FNL1		9	24V	42/50	9x3w	1	2.5	
AQ-220-FNL1		12	24V	42/50/65	12x1w	1	3.0	
AQ-260-FNL1		24	24V	65/80	24x1w	1	4.5	

PS: add at the end of the code -W for white color, -WW for warm white color, -RGB for color changing

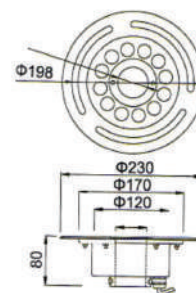
STAINLESS STEEL FOUNTAIN NOZZLE LIGHT MOD2



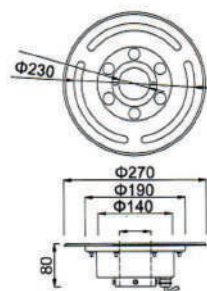
AQ-220-FNL2



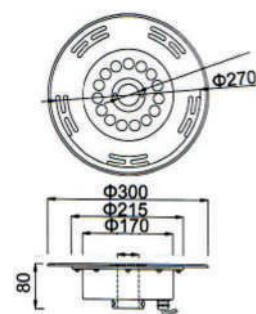
AQ-230-FNL2



AQ-270-FNL2



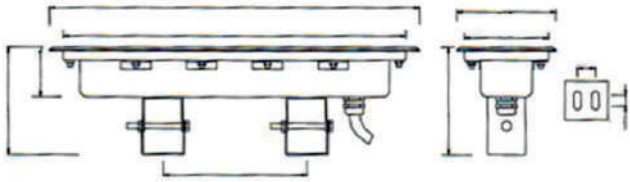
AQ-J300-FNL2



CODE	DESCRIPTION	WATT	VOLTAGE	NO OF LED	PACKING	WEIGHT	VOLUME
			AC/DC			Kg	
AQ-220-FNL2	Stainless Steel Fountain Nozzle Light	18	24V	6x3w	1	2.5	
AQ-230-FNL2		27	24V	9x3w	1	3.0	
AQ-270-FNL2		36	24V	12x3w	1	4.0	
AQ-J300-FNL2		54	24V	18x1w	1	5.5	

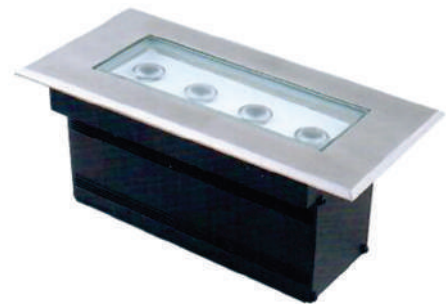
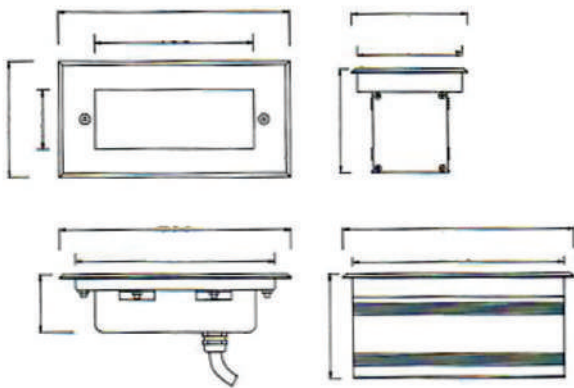
PS: add at the end of the code -W for white color, -WW for warm white color, -RGB for color changing

STAINLESS STEEL LED WALL WASHER



CODE	DESCRIPTION	WATT	VOLTAGE	NO OF LED	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
			AC/DC		A	B	C	D		Kg	m³
AQ-XT001	Stainless Steel Led Wall Washer	4	24V	4x1w	230	158	198	210	1	1.5	
AQ-XT002		18	24V	18x1w	430	358	398	410	1	2.0	
AQ-XT003		24	24V	24x1w	630	-	598	610	1	2.5	
AQ-XT004		36	24V	36x1w	830	-	798	810	1	3.0	
AQ-XT005		48	24V	48x1w	1050	-	1018	1030	1	4.5	

STAINLESS STEEL LED BURIED LIGHT



CODE	DESCRIPTION	WATT	VOLTAGE	NO OF LED	DIMENSIONS mm				PACKING	WEIGHT	VOLUME
			AC/DC		A	B	C	D		Kg	m³
AQ-XT006	Stainless Steel Led buried light	4	24V	4x1w	230	158	198	210	1	2.4	
AQ-XT007		18	24V	18x1w	430	358	398	410	1	4.3	
AQ-XT008		24	24V	24x1w	630	-	598	610	1	6.3	
AQ-XT009		36	24V	36x1w	830	-	798	810	1	8.2	
AQ-XT010		48	24V	48x1w	1050	-	1018	1030	1	9.7	

UNDERWATER TRANSFORMER

- Manufactured in AISI-304 stainless steel
- High quality copper core coil and imported iron core
- Waterproof underwater cable
- Operating temperature: -40°C ~ +45°C
- Ambient temperature: -40°C ~ +70°C
- Waterproof rating: IP68



1000W



2000W



350W

CODE	DESCRIPTION	POWER WATT	INPUT VOLTAGE	OUTPUT VOLTAGE	PACKING	WEIGHT	VOLUME
						Kg	m³
AQ-UW1000	Under Water Transformer	1000	220V	24VAC	1	10	
AQ-UW2000		2000	220V	24VAC	1	12.5	
AQ-UW350		350	220V	24VAC	1	5	

LED RGB CONTROLLER

- 32 changing modes
- PC engineering plastic shell
- Smooth changing effect without flicker
- The receiver has 8 keys (ON/OFF, PAUSE, MODE+/-, SPEED+/-, BRT+/-)
- Compatible with RF remote
- RF Remote Distance: 100m
- Radio Frequency: 433.92 MHz
- Radio Output Power: 8 W
- Working Temperature: -30°C ~ 55°C
- Dimensions: L 211mm × W 40mm × H 30mm



CODE	DESCRIPTION	INPUT VOLT-AGE	MAX CURRENT LOAD	MAX OUTPUT POWER	PACKING	WEIGHT	VOLUME
						Kg	m³
AQFT-RC	LED FOUNTAIN RGB CONTROLLER WITH REMOTE CONTROL	12 ~ 24V DC	6A X 3CH	216W/432W(12V/24V)	1	0.240	

POWER REPEATER

- 12-36V constant voltage power repeater
- 3 channel, 10A per channel
- To receive PWM signal control
- Power repeater in series or in parallel to expand output without limits
- Applies to single colour or RGB, constant voltage, LED strip or module
- Ambient temperature: -30oC ~ +55oC
- Case temperature (Max.): +85oC
- Output voltage: 3 x (12-36)VDC
- Rating: IP20
- Safety standard (LVD): EN60950
- EMC standard (EMC): EN301 489, EN 62479



CODE	DESCRIPTION	INPUT VOLTAGE	INPUT CURRENT	MAX OUTPUT POWER	PACKING	WEIGHT	VOLUME
						Kg	m³
AQFT-REP	CHANNEL CONSTANT VOLTAGE POWER REPEATER	12-36VDC	30.5 A	3 x (120-360)W	1	0.270	

04 | FOUNTAIN PUMPS

MODEL NO	FLOW M³H	LIFT M	POWER KW	RATE CURRENT A	VOLTAGE V	HEIGHT V	RADIUS M
AQPF10-10-1.55	10	10	0.55	2.2	220/380	420	168
AQPF15-7-0.55	15	7	0.55	2.2	220/380	420	168
AQPF15-10-0.75	15	10	0.80	2.8	220/380	440	168
AQPF25-6-0.75	25	6	0.80	2.8	220/380	440	168
AQPF10-13-0.75	10	13	0.80	2.8	220/380	440	168
AQPF25-9-1.1	25	9	1.1	3.2	220/380	460	168
AQPF10-6-1.1	40	6	1.1	3.2	220/380	460	168
AQPF25-12-1.5	25	12	1.5	4.2	220/380	460	168
AQPF40-8-1.5	40	8	1.5	4.2	220/380	460	168
AQPF25-17-2.2	25	17	2.2	6.1	380	530	168
AQPF65-7-2.2	65	7	2.2	6.1	380	590	168
AQPF15-26-2.2	15	26	2.2	6.1	380	535	168
AQPF20-20-2.2	20	20	2.2	6.1	380	530	168
AQPF100-5-2.2	100	5	2.2	6.1	380	590	168
AQPF40-16-3	40	16	3	8.5	380	530	168
AQPF40-18-3	40	18	3	8.5	380	530	168
AQPF45-16-3	45	16	3	8.5	380	530	168
AQPF65-10-3	65	10	3	8.5	380	590	168
AQPF25-25-3	25	25	3	8.5	380	550	180
AQPF22-28-3	22	28	3	8.5	380	550	180
AQPF50-13-3	50	13	3	8.5	380	530	168
AQPF32-20-3	32	20	3	8.5	380	640	168
AQPF100-7-3	100	7	3	8.5	380	640	168
AQPF15-34/2-3	15	34	3	8.5	380	640	168
AQPF20-30/2-3	20	30	3	8.5	380	640	168
AQPF40-21-4	40	21	4	10.5	380	600	180
AQPF65-13-4	65	13	4	10.5	380	600	180
AQPF80-12-4	80	12	4	10.5	380	600	180
AQPF100-9-4	100	9	4	10.5	380	620	180
AQPF20-40/2-4	20	40	4	10.5	380	710	170
AQPF25-34/2-4	24	34	4	10.5	380	705	170
AQPF30-26/2-4	30	26	4	10.5	380	705	170
AQPF20-36/2-4	20	36	4	10.5	380	705	170
AQPF15-52/3-4	15	52	4	10.5	380	820	170
AQPF45-25-5.5	45	25	5.5	13.4	380	740	184
AQPF40-28-5.5	40	28	5.5	13.4	380	740	184
AQPF60-20-5.5	60	20	5.5	13.4	380	740	184
AQPF65-18-5.5	65	18	5.5	13.4	380	740	184
AQPF40-30/2-5.5	40	30	5.5	13.4	380	735	168
AQPF30-38/2-5.5	30	38	5.5	13.4	380	740	170
AQPF30-36/2-5.5	30	36	5.5	13.4	380	740	170
AQPF30-40/3-5.5	30	40	5.5	13.4	380	850	170
AQPF25-44/2-5.5	25	44	5.5	13.4	380	830	184
AQPF20-50/3-5.5	20	50	5.5	13.4	380	850	168
AQPF16-65/4-5.5	15	65	5.5	13.4	380	960	168
AQPF120-10-5.5	120	10	5.5	13.4	380	760	200
AQPF100-12-5.5	100	12	5.5	13.4	380	760	200
AQPF220-5-5.5	220	5	5.5	13.4	380	800	200
AQPF65-25-7.5	65	25	7.5	18.7	380	760	184
AQPF80-24-7.5	80	24	7.5	18.7	380	780	185
AQPF40-40/2-7.5	40	40	7.5	18.7	380	850	184
AQPF25-56/3-7.5	25	56	7.5	18.7	380	940	184
AQPF50-36/3-7.5	50	36	7.5	18.7	380	940	184
AQPF30-54/3-7.5	30	54	7.5	18.7	380	940	185
AQPF30-50/3-7.5	30	50	7.5	18.7	380	945	185
AQPF20-75/3-7.5	20	75	7.5	18.7	380	1150	185
AQPF25-60/3-7.5	25	60	7.5	18.7	380	945	185

AQUA(Y)PF



AQUA(F)PF





NOTES

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