



POOL AND FOUNTAIN EQUIPMENTS SUPPLIER

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At Astra Trading FZC, we specialize in providing high-quality swimming pool and fountain equipment for residential, commercial, and recreational projects. With a commitment to innovation, durability, and customer satisfaction, we offer a wide range of products including pumps, filters, lights, jets, control systems, and water features sourced from leading global manufacturers.

Backed by years of industry experience, our team offers expert guidance from design and product selection to installation support and after-sales service. Whether you're building a new pool, upgrading a fountain, or maintaining existing systems, Astra trading FZC is your trusted partner for reliable and efficient water feature solutions.

POOL SHELL EQUIPMENT



PDB
Product Database

Choice of cover colours for
skimmers

CONCRETE POOL - 15 L SKIMMERS

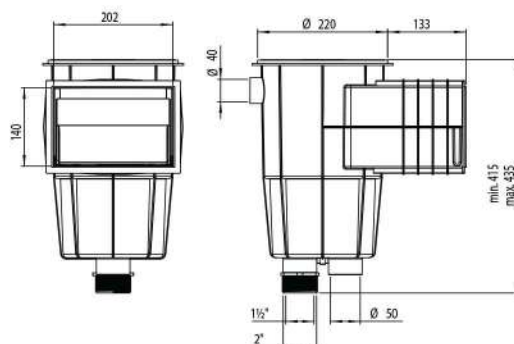
All of the components that are exposed in this range of skimmers come with a UV treatment. Made of ABS, they come with a weir flap and a flow regulator check valve. Bottom suction nozzle connection: 1½" inner thread, 2" outer thread. Simultaneous connection to the main drain: Ø 50 mm inner wall. Overflow connection: Ø 40 mm. Leaf trap. Recommended flow rate: 5 m³/h. It is recommended that one skimmer be installed for every 25 m² of water surface area.

Skimmer with standard mouth opening



With round lid - White
With round lid - Beige
With round lid - Light grey
With round lid - Anthracite grey
With square lid

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00249	1	2.95	0.059
00249 CL090	1	2.95	0.059
00249 CL129	1	2.95	0.059
00249 CL144	1	2.95	0.059
00250	1	3.15	0.059



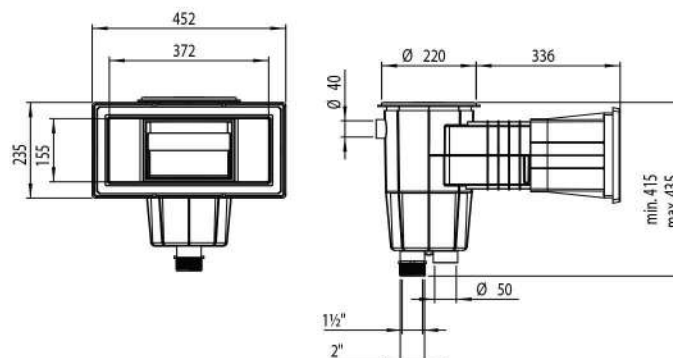
Complies with Standards
EN 16582-1
EN 16713-2

Skimmer with wide mouth opening



With round lid - White
With round lid - Beige
With round lid - Light grey
With round lid - Anthracite grey
With square lid

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00251	1	4.47	0.12
00251 CL090	1	4.47	0.12
00251 CL129	1	4.47	0.12
00251 CL144	1	4.47	0.12
00252	1	3.00	0.12



Complies with Standards
EN 16582-1
EN 16713-2

CONCRETE POOL - MAIN DRAINS



Round Ø 200 mm main drain with antivortex grille

Manufactured in white ABS material. 2" side outlet and 1 ½" bottom outlet. Bottom outlet covered by semi-die cut socket, which can be opened as required. Possibility of fitting drainage tube code 21581 (see page 94). Max. flow rate: 13 m³/h.

Standard thread

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
27837	4	2.807	0.033



Complies with Standards
EN 16582-1



Round Ø 200 mm main drain with flat grille

Made of white ABS. 2" side outlet and 1 ½" bottom outlet. Bottom outlet covered by semi-die cut socket, which can be opened as required. Max. flow rate: 13 m³/h.

Standard thread

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
27839	4	2.807	0.033



Complies with Standards
EN 16582-1



Main drain with square ABS grille (210 mm x 210 mm)

2" side outlet. Body and grille in white ABS. Grille fitted using screws. Max. flow rate: 13 m³/h.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00258	4	4.0	0.044



Complies with Standards
EN 16582-1

Round main drains 2" outlet

Body and grill in ABS. Grill fitted using screws. Max. flow rate: 13 m³/h.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
01467	4	2.8	0.028
01467 CL090	4	2.8	0.028
01467 CL129	4	2.8	0.028
01467 CL144	4	2.8	0.028

Standard thread - White
Standard thread - Beige
Standard thread - Light Grey
Standard thread - Anthracite Grey



Complies with Standards
EN 16582-1



01467



01467 CL090



01467 CL129



01467 CL144

POOL SHELL EQUIPMENT

Wall conduits in PVC

Grey PVC.

150 mm long
2" outer thread + Ø 50 mm inner, 2" inner thread

300 mm long
2" female and male thread connection

2" rear male thread pipe connection or
smooth inner wall for MINI projector (33684)

2" outer thread + Ø 50 mm inner, 1½" inner thread

2" outer thread + Ø 50 mm inner wall. Ø 50 mm
inner wall specially for nozzles with code numbers
00289, 07957, 00304, 00305 and 00306.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00322	40	8.2	0.040
00323	20	8.9	0.040
00324	20	8.5	0.040
00325	20	8.4	0.040
00326	20	8.4	0.040

Ø 200 drain grille in ABS

Ring support and grille in white ABS. Supplied with grille fixing screws. This grille is for suction chamber done on site.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00280	10	3.0	0.031



Complies with Standards
EN 16582-1

Ø 200 drain grille in stainless steel

Support ring in white plastic, grille in AISI-316L stainless steel. Supplied with grille fixing screws. Maximum recommended flow rate: 13 m³/h.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00279	10	6.0	0.02



Complies with Standard
EN 13451-1-3



Complies with Standards
EN 16582-1
EN 16713-2

Drain grille in stainless steel

Designed for concrete pools. Support frame and grille in polished stainless steel. Supplied with fixing screws. Other sizes can be made to order.

AISI-304

Size (mm) Max. recommended flow rate

200 x 200	15 m ³ /h (0.5 m/s)
300 x 300	43 m ³ /h (0.5 m/s)
400 x 400	83 m ³ /h (0.5 m/s)
500 x 500	136 m ³ /h (0.5 m/s)

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00284	1	1.2	0.01
00285	1	2.2	0.01
00286	1	4.0	0.03
00287	1	4.5	0.04

AISI-316

Size (mm) Max. recommended flow rate

200 x 200	15 m ³ /h (0.5 m/s)
300 x 300	43 m ³ /h (0.5 m/s)
400 x 400	83 m ³ /h (0.5 m/s)
500 x 500	136 m ³ /h (0.5 m/s)

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
30764	1	1.2	0.01
30765	1	2.2	0.01
30766	1	4.0	0.03
30767	1	4.5	0.04



POOL SHELL EQUIPMENT



Drain grille for private pools

Range of drain grilles for use in private and public pools. Optional grilles in plastic or stainless steel. Frames made of plastic. Excellent finish.

Plastic grille 252 x 252 mm.
Stainless steel grille 252 x 252 mm.
Plastic grille 410 x 410 mm.
Stainless steel grille 410 x 410 mm.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
34331	1	-	0.0129
34332	1	-	0.0129
34333	1	-	0.0540
34334	1	-	0.0540



Multiflow return inlet to be glued

To be glued to a Ø 50 mm PN 10 pipe. Made of white ABS.

Standard inlet

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
24413	40	4.0	0.020



Complies with Standards
EN 16582-1
EN 16713-2



Further information on PRODUCTS
www.astralpool.com



CONCRETE POOL - ABS INLETS

Threaded Multiflow return inlet

Outer 2" thread and Ø 50 mm inner wall to be glued. Made of ABS. Recommended for installation with wall conduits: codes 15658 and 15659.

White
Beige
Light Grey
Anthracite Grey

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00295	24	4.35	0.020
00295 CL090	24	4.35	0.020
00295 CL129	24	4.35	0.020
00295 CL144	24	4.35	0.020



00295



00295 CL090



00295 CL129



00295 CL144



Complies with Standards
EN 16582-1
EN 16713-2



00298



00298 CL090



00298 CL129



00298 CL144



Complies with Standards
EN 16582-1
EN 16713-2

Multiflow return inlet to be glued

To be glued to Ø 63 mm PN 6 outer wall and Ø 50 mm inner wall. Made of ABS. Recommended for installation with wall conduits: code numbers 15661 and 15660.

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00298	24	4.24	0.020
00298 CL090	24	4.24	0.020
00298 CL129	24	4.24	0.020
00298 CL144	24	4.24	0.020

POOL SHELL EQUIPMENT

CONCRETE POOL - ABS INLETS

Return nozzle

In weatherproof, UV-resistant ABS. 3 adjustable positions. (100%, 65%, 35%). Maximum recommended flow rate compliant with standard EN 13451-1: 13.5 m³/h. Connection: outer Ø 63 mm wall.



Complies with Standards
EN 16582-1
EN 16713-2

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
15863	24	3.4	0.020

Pool floor return inlet

All-in-one return inlet and suction nozzle. Adjustable flow rate. Made of ABS plastic and screws in stainless steel. Maximum recommended flow rate compliant with standard EN 13451-1: 12 m³/h.



00303



00303 CL090



00303 CL129



00303 CL144

Outer 2" thread, int. Ø 50 mm
White
Beige
Light Grey
Anthracite Grey
To glue onto Ø 63 mm PN 6, inner Ø 50 mm

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00303	24	5.0	0.020
00303 CL090	24	5.0	0.020
00303 CL129	24	5.0	0.020
00303 CL144	24	5.0	0.020
20140	20	4.4	0.021



Complies with Standards
EN 16582-1
EN 16713-2

CONCRETE POOL - ABS INLETS

Suction nozzle

To be glued to a Ø 50 PN 10 pipe. Made of white ABS with 1½" threaded plug. For end connector 07958 and push fit connector 01393. Recommended for installation with wall conduits (codes 15658 and 15659).



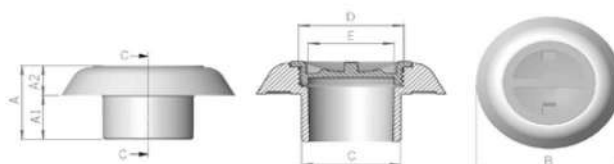
24415

Suction nozzle - White

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
24415	50	3.72	0.02



Complies with Standards
EN 16582-1
EN 16713-2



Suction inlet

To be glued to a Ø 63 mm pipe. Body and grille in ABS plastic, screws in stainless steel. Application on wall. Its characteristics make this nozzle particularly suitable for overflow channels. Maximum flow rate: 4.5 m³/h.



Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
00302	12	3.1	0.016

POOL SHELL EQUIPMENT

Suction nozzle

To be glued to Ø 63 mm and Ø 50 mm piping. Maximum pressure: 6 bar. Made of ABS. 1½" thread. Recommended for installation with wall conduits: code numbers 15661 and 15660.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
Standard inlet - White	00300	24	3.62	0.020
Standard inlet - Beige	00300 CL090	24	3.62	0.020
Standard inlet - Light Grey	00300 CL129	24	3.62	0.020
Standard inlet - Anthracite Grey	00300 CL144	24	3.62	0.020

Suction nozzle

Outer 2" thread, Ø 50 mm inner wall. Maximum pressure: 6 bar. Made of white ABS with 1½" threaded plug. Recommended for installation with wall conduits (codes 15658 and 15659).

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
Standard inlet - White	00301	24	3.8	0.020

Other grating colours can be made to order.
For further information, ask your AstralPool dealer.

GRILLES FOR OVERFLOW

Modular transversal grating for curves

Made of PP stabilized against UV rays. Assembled by fitting the modules together.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
Modular grating for curves				
Height 22 mm, width 195 mm	11107	470	15.8	0.080
Height 22 mm, width 245 mm	11108	320	13.6	0.080
Height 22 mm, width 295 mm	19202	300	18.0	0.080
Height 22 mm, width 335 mm	19203	250	17.0	0.080
Reversible modular grating for curves				
Height 35 mm, width 195 mm	00220	450	16.5	0.080
Height 35 mm, width 245 mm	00221	300	14.3	0.080
Height 35 mm, width 295 mm	00222	290	19.3	0.080
Height 35 mm, width 335 mm	00223	250	18.1	0.080

Grating support profile

Suitable for grating heights of 22, 24 and 35 mm. Made of weather resistant plastic. Supplied in 2 m strips. Inside measurements: 24 mm x 37 mm.

Available in other colours. For further information, ask your dealer.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
Grating support profile	00224	25	13.2	0.033

90° corner tiles for overflow channels

Made of white, injection moulded copolymer polypropylene.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
Height 22 mm, channel width 195 mm	22379	4	2.8	0.006
Height 22 mm, channel width 245 mm	22380	4	3.6	0.009
Height 22 mm, channel width 295 mm	22381	4	4.8	0.012
Height 22 mm, channel width 335 mm	22382	4	5.7	0.016
Height 35 mm, channel width 195 mm	22383	4	3.2	0.009
Height 35 mm, channel width 245 mm	22384	4	4.1	0.014
Height 35 mm, channel width 295 mm	22385	4	5.3	0.012
Height 35 mm, channel width 335 mm	22386	4	6.2	0.023



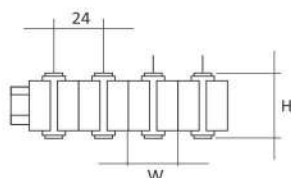
Other grating colours can be made to order.
For further information, ask your AstralPool dealer.

GRILLES FOR OVERFLOW

15- OVERFLOW GRATING

OVERFLOW GRATING

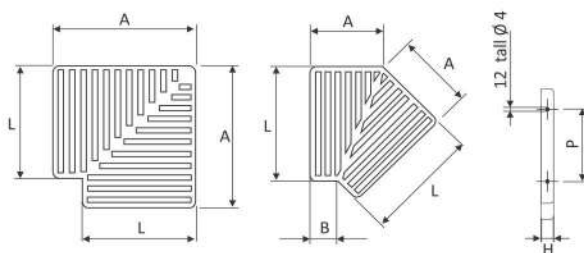
- Made of high quality, UV resistant materials.
- Modular grating for curves.
- The individual gratings are joined forming a continuous flexible run.
- 1m = 45 pcs



CODE	DIMENSIONS			PACKING WEIGHT	VOLUME
	W	H		kg	m³
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

- 45° and 90° angles made of polyester and fiberglass.



CODE	DESCRIPTION	DIMENSIONS					PACKING	WEIGHT	VOLUME
		A	B	H	L	P		kg	m³
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



Further information on PRODUCTS
www.astralpool.com

PDB
Product Database



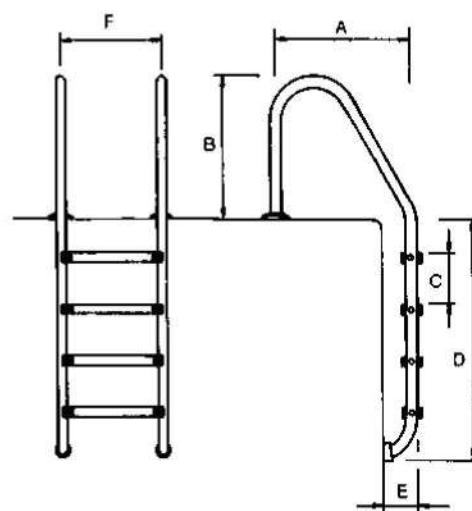
Complies with Standard
EN 16582-1:2015

Optional: American measurements without anchor point and optional plastic step.

POOL ACCESS - STANDARD MODEL LADDERS

In-ground pool ladder. Stainless steel Ø 43 mm pipe handrail. Stainless steel steps. Special non-slip design ensures safety. Supplied with anchoring fixtures for connection to an equipotential outlet. Trimmed faceplate.

Steps	A	B	C	D	E	F
2	618	620	260	700	148	500
3	618	620	260	960	148	500
4	618	620	260	1220	148	500
5	618	620	260	1480	148	500



Standard handrail ladder with Luxe model step

Rails & steps in AISI-316L.

2 steps ladder
3 steps ladder
4 steps ladder
5 steps ladder

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
05476	1	9.8	0.07
05477	1	11.5	0.08
05478	1	14.0	0.08
05479	1	15.0	0.10



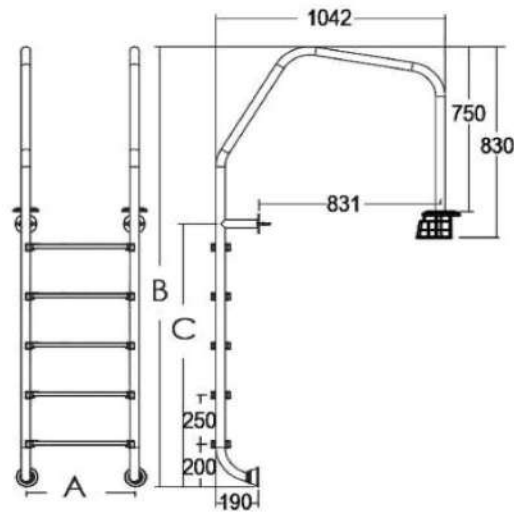
Standard handrail ladder with Standard model step

Rails & steps in AISI-304L.

2 steps ladder
3 steps ladder
4 steps ladder
5 steps ladder

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
05488	1	9.6	0.07
05489	1	12.0	0.08
05490	1	15.0	0.09
05491	1	15.0	0.09

OVERFLOW LADDER



Stainless Steel Step
(anti-slippery pad)



Anchor Type

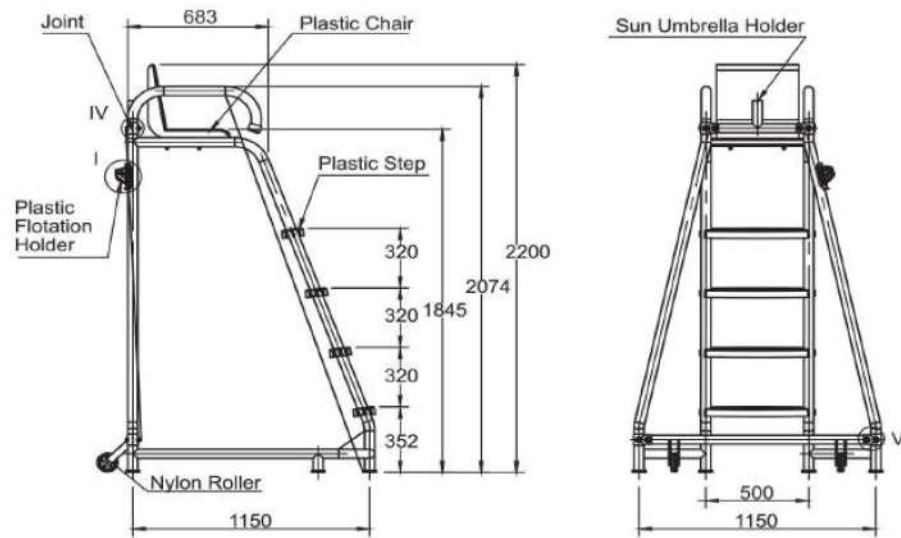


Ancillary Shoring for
NSL815ry pad)

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

LIFEGUARD CHAIR

- Provides a practical vantage point for life guard duties.
- Sturdy A aluminium construction with white powder coating.
- Large Stainless steel 316 wheels allowing the chair to be moved and stored with ease.
- Rubber inserts protect the pool deck from scratches and ensures stable positioning.
- Lifeguard chair has fittings for the mounting of a lifeguard Bouy and Umbrella, both located just behind the seating location.



CODE	HEIGHT	PACKING	WEIGHT	VOLUME
	mm		kg	m ³
PG-14	1895	1	45	0.45

LIFE BUOY

- Made of plastic.
- Exterior diameter 730 mm.

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



LIFE HOOK

- Made of aluminium.

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



POOL SURROUND EQUIPMENT

POOL SHOWER



HAPPY STRAIGHT



HXAPPY XL



JOLLY



JOLLY STRAIGHT

SHOWERS - KNOB VALVES

Niagara Shower

Shower made of polished AISI-304L stainless steel with a square adjustable shower head and a flow-regulating valve.

Niagara Shower

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
53872	1	22	0.125



SHOWERHEAD



KNOB



Angel shower with footwash

AISI-304L polished stainless steel (Ø 43 mm) shower with 1 chrome anti-limescale showerhead and 1 flow opening valve. Includes footwash tap. With 00107 anchoring fixture incorporated (see page 62).

Angel footwash

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
52718	1	5.6	0.43



SHOWERHEAD



KNOB



FOOTWASH TAP



Angel

AISI-304L polished stainless steel (Ø 43 mm) shower with 1 chrome anti-limescale showerhead and 1 flow opening valve. With 00107 anchoring fixture incorporated (see page 62).

Angel Shower

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
52717	1	5.6	0.43



SHOWERHEAD



KNOB



Swimming Pool Waterfalls



Pool Rescue Equipment





Further information on PRODUCTS
www.astralpool.com

PDB
Product Database

Optional:
Standard American sizes

INJECTION MOULDED SAND FILTERS

Injection-moulded filter in technical plastics. Ivory. Thermal-welded joining of top and bottom filter parts. Fitted with a pressure gauge and manual water and air purge valves. Selector valve included. Maximum filtration speed ($\text{m}^3/\text{h}/\text{m}^2$) Maximum working pressure: $2.5 \text{ kg}/\text{cm}^2$. Sand and glass compatible (see page 166). Complies with filtration requirements as per standard EN 16713-1.

Cantabric top filters

Top mounted multiport valve. Threaded filter locking ring in ABS.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m^3
6000 l/h Ø 400 mm outlet 1½"	22399	1	10.7	0.23
9000 l/h Ø 500 mm outlet 1½"	15780	1	17.5	0.37
14000 l/h Ø 600 mm outlet 1½"	15781	1	19.9	0.49
21000 l/h Ø 750 mm outlet 1½"	20128	1	30.4	0.83
21000 l/h Ø 750 mm outlet 2"	23866	1	32.1	0.83

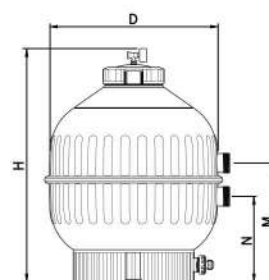
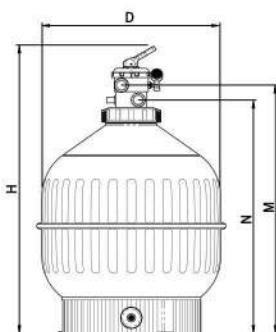
Top mounted Cantabric filter

Clear lid & threaded locking ring in ABS, supplied with side mounted multiport valve.

	Code	Standard Pack	Standard Weight in kg	Standard Volume in m^3
With multiport side valve				
6,000 l/h Ø 400 mm outlet 1½"	22398	1	9.0	0.15
9,000 l/h Ø 500 mm outlet 1½"	15782	1	15.8	0.29
14,000 l/h Ø 600 mm outlet 1½"	15783	1	17.8	0.40
21,000 l/h Ø 750 mm outlet 2"	15784	1	29.0	0.67
Without multiport valve				
30,000 l/h Ø 900 mm outlet 2½"	22402	1	49.0	1.30



Complies with Standard
EN 16713-01



	Top mounted					Side mounted				
	22399	15780	15781	20128	23866	22398	15782	15783	15784	22402
Ø D (mm)	400	500	600	750	750	400	500	600	750	900
H (mm)	894	1009	1069	1239	1250	715	800	875	1045	1215
M (mm)	744	829	894	1064	1098	380	415	445	575	675
N (mm)	680	765	830	1000	1023	255	290	320	345	405
Connections	1½"	1½"	1½"	1½"	2"	1½"	1½"	1½"	2"	2½"
Flow rate (m^3/h)	6	9	14	21	21	6	9	14	21	30
Approx. pool volume (m^3) (8 hours)*	48	72	112	168	168	48	72	112	168	240
Sand load (kg)	60	100	150	300	300	60	100	150	300	550
Grade 1 glass load (57011) (kg)	50	88	100	200	200	50	88	100	200	375
Grade 3 glass load (57013) (kg)	0	0	25	50	50	0	0	25	50	100
Net weight (kg)	8	14	15	23	25	7	12	14	24	34
Package volume (m^3)	0.2	0.37	0.49	0.83	0.83	0.15	0.29	0.4	0.67	1.3

Fitted with sand dump port of Ø 2" in Ø 750 mm & Ø 900 mm models, and of 1
* 8 hours turnover rate.

½" in Ø 400, Ø 500 & Ø 600 mm models.



Millennium model monobloc with top mount MPV

Ø 380 mm - Sena 1/3 HP 230 V II
 Ø 430 mm - Sena 1/3 HP 230 V II
 Ø 480 mm - Sena 1/2 HP 230 V II
 Ø 560 mm - Sena 3/4 HP 230 V II
 Ø 660 mm - Sena 1.25 HP

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
27805	1	27.0	0.33
23342	1	27.0	0.33
23343	1	31.0	0.43
23344	1	35.0	0.50
28299	1	41.0	0.59



Millennium model monobloc with side mount MPV

Ø 380 mm - Sena 1/3 HP 230 V II
 Ø 430 mm - Sena 1/3 HP 230 V II
 Ø 480 mm - Sena 1/2 HP 230 V II
 Ø 560 mm - Sena 3/4 HP 230 V II
 Ø 660 mm - Sena 1.25 HP

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
27804	1	28.0	0.33
23348	1	28.0	0.33
23349	1	31.0	0.43
23350	1	35.0	0.50
28301	1	41.0	0.59

Aster filters

Filter laminated in polyester and fibreglass. Grey, polypropylene base, screw-free lid, cap for sand and water discharge, pressure gauge and side selector valve. Maximum pressure 2.5 bar. Maximum filtration speed 50/h/m². Complies with filtration requirements as per standard EN 16713-1. Sand and glass compatible (see page 166).

With top mounted multiport valve
 5000 l/h Ø 350 mm outlet 1½"
 8000 l/h Ø 450 mm outlet 1½"
 9000 l/h Ø 500 mm outlet 1½"
 14000 l/h Ø 600 mm outlet 1½"
 15000 l/h Ø 650 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 2"
 32000 l/h Ø 900 mm outlet 2"

Code	Standard Pack	Standard Weight in kg	Standard Volume in m ³
30768	1	17	0.13
30769	1	20	0.23
30770	1	22	0.28
30771	1	27	0.39
30772	1	28	0.45
33847	1	35	0.62
33848	1	53	1.27

With side mounted multiport valve
 5000 l/h Ø 350 mm outlet 1½"
 8000 l/h Ø 450 mm outlet 1½"
 9000 l/h Ø 500 mm outlet 1½"
 12000 l/h Ø 550 mm outlet 1½"
 14000 l/h Ø 600 mm outlet 1½"
 15000 l/h Ø 650 mm outlet 1½"
 18000 l/h Ø 680 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 2"
 32000 l/h Ø 900 mm outlet 2"

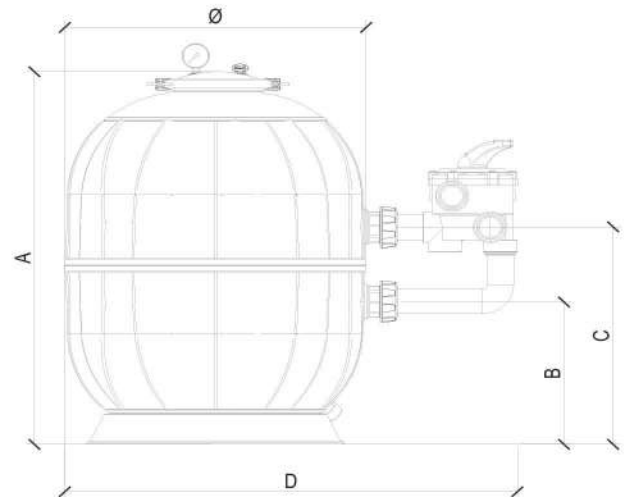
00497	1	18	0.13
00498	1	21	0.23
19781	1	23	0.28
32706	1	27	0.28
00499	1	28	0.39
21071	1	29	0.45
28479	1	30	0.46
00500	1	37	0.62
08133	1	55	1.27

Without multiport valve
 31000 l/h Ø 900 mm outlet 2½"

00501	1	53	1.27
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02 INJECTED SAND FILTERS "AQUARIUS" SIDE VALVE

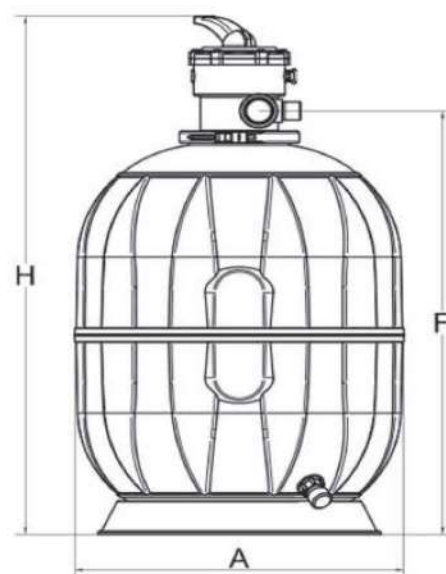
- Sand filter with 6 way selector side valve.
- Totally injection molded in polypropylene.
- Polypropylene spherical body; distribution with micro-hole pipe, anti-slip features with nozzles to ease the maintenance operations.
- Automatic air bleed with upper filter base for double-ring filter to guarantee stability lid with pressure gauge seat and manual air bleed.
- Seal is guaranteed by clamps with butterfly valves and nut maintenance does not require tools.
- Polished and glazed wedges finish
- Draining micro-hole pipe distribution
- Working pressure max. 1.5 bar, Test pressure 4 bar.
- Lateral side connectors 50 mm (for 1 1/4" valve) and 63 mm (for 2" valve).
- 3/4" filter discharge
- Standard: UNI 1063722006 regulation for TYPE D categories
- Warranty: 5 years.



CODE	Ø	CONNECTIONS	FLOW	QUARTZ SAND	DIMENSIONS				PACKING	WEIGHT	VOLUME
			(m³/h) V=50m³/h/m²		A	B	C	D		kg	m³
100100967	450	1 1/2"	6	75	645	206	356	716	2	10	0.13
100100970	530	1 1/2"	10	100	795	281	431	730	2	16	0.21
100100973	620	1 1/2"	14	150	830	299	449	820	2	19	0.09
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

01 INJECTED SAND FILTERS "AQUARIUS" TOP VALVE

- Sand filter with 6 way selector top valve
- Totally injection molded in polypropylene
- 100% polypropylene, ball-shaped body with micro-hole pipe distribution. Supporting base of the double-ring filter to ensure stability
- Polished and glazed wedges finish
- Draining micro-hole pipe distribution
- Working pressure max. 1.5 bar, Test pressure 4 bar
- Connection filter-valve with clamping collars
- Lateral side connectors $\varnothing 50$ mm (for 1 1/4" valve)
- 3/4" filter discharge
- Constant re-productivity
- Standard: UNI 1063722006 regulation for TYPE D categories
- Warranty: 5 years



CODE	CONNECTIONS	FLOW	QUARTZ SAND				PACKING	WEIGHT	VOLUME
		(m ³ /h) V=50m ³ /h/ m ²	kg	A	F	H		kg	m ³
100100968	1 1/2"	6	75	450	600	775	2	11	0.13
100100971	1 1/2"	10	100	530	756	925	2	17	0.21
100100974	1 1/2"	14	150	620	792	960	2	20	0.31

ESW

FIBERGLASS WITH PLASTIC SAND FILTER

Maximum Working Pressure
250kpa/36psi(2.5bar)

Factory Testing Pressure
400kpa/58psi(4.0bar)

Maximum Temperature
40°C(104F)

Size of Gravel
0.5mm~0.8mm

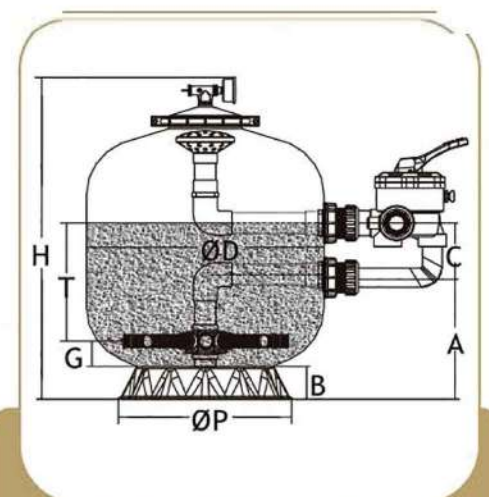


- Inner tanks are made of high density polyethylene material, corrosive-proof, safe and environmental.
- Outer is constructed of polyester resin and non-corrosive fibreglass winding for its heavy duty performance and reliability.

- Sight glass for backwash clarity inspection.
- Clamp lock designed to allow 360° rotation to simplify installation.
- Removable threaded PVC unions both in imperial and metric size.

Model	Filter Diameter (mm)	Filter Height (mm)	Design Flow (m³/h)	Filter Area (m²)	Connections (inch/mm)	Sand Weight (kg)
ESW450	450	665	8	0.16	1.5"/50	45
ESW500	530	710	10	0.20	1.5"/50	85
ESW650	630	810	15	0.32	1.5"/50	150
ESW700	700	880	19	0.38	1.5"/50	200

Model	ESW450	ESW500	ESW650	ESW700
ØD(mm)	450	530	630	700
H(mm)	665	710	810	880
A(mm)	260	280	310	360
B(mm)	75	75	95	95
C(mm)	125	125	125	125
ØP(mm)	390	390	565	565
T(mm)	250	280	300	350



ESW450~ESW700

FIBERGLASS TOP MOUNT COMBO FILTER

Size:

Dia.-450mm with 0.5 or 0.75Hp pump

Dia.-500mm with 0.75 or 1.0Hp pump

Dia.-650mm with 1.0 or 1.5Hp pump

I Features:

1. Fiberglass filter sank/ plastic filter tank
2. 6-way multi-port valve
3. Oil pressure gauge

II Functions:

1. Maximum working pressure: 250kPa/36psi/2.5bar
2. Factory testing pressure: 400kPa/58psi/4.0bar
3. Size of silica sand: 0.5-1.0mm
4. Maximum filtration velocity: 50cbm/h/sq
5. Maximum water temperature: 43 degree

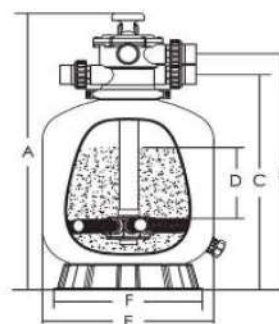


Technical Characteristics

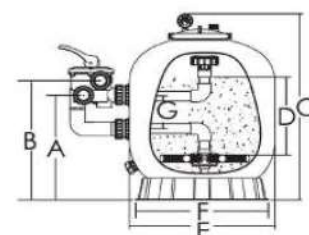
Model No	PSF Series
Material	Fiber Glass
Usage	Filtration
Structure	Single - Stage Pump
Application	Water Circulation
Power	Electric
Pressure	2.5 Bar
Hore Power	1 HP/ 1.5 HP / 2 HP / 3 HP
Connection Size	1.5 Inch / 50 MM
Waterproof Standard	IPX5
Type	Pool Sand Filter With Pump

04 BOBBIN-WOUND SAND FILTERS "MUNICH" N

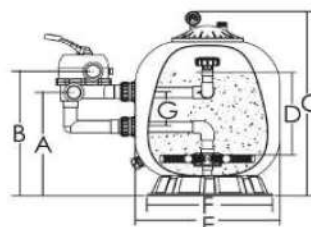
- Bobbin-wound fiber glass reinforced tank with UV-resistant surface finish
- Max operating pressure 2.5 bar, Test pressure 4 bar
- Fitted with pressure gauge, manual air and water purges
- Fitted with collector arms & diffuser made in UPVC
- Top mount filter comes with closure & screw
- Side mount filter 450,550,600,700, comes with glass top cover seal clamps with butterfly valve 7 nuts
- Side mount filter 800 & 900 comes with top cover made of (Abs and mix poly carbonate) & Side screw closure
- Side mount filter 1000 & 1200 comes with top cover & center clamp closure
- Filters are equipped with a six-position multiport valve
- Warranty: 5 years



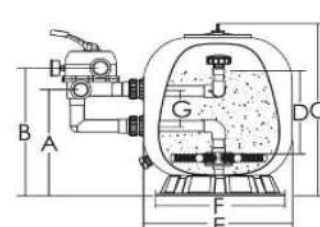
MU-450N-VT / 550 / 650 / 700



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



MU-800N-VS/900



MU-1000N-VS/1200

CODE	DIMENSIONS						
	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

CODE	TYPE	Ø	CONNECTIONS	FLOW	QUARTZ SAND	FILTER AREA	PACKING	WEIGHT	VOLUME
				(m³/h) V=50m³/h/m²	kg	m²		kg	m³
MU-450N-VT	Top	450	1.5"	8	75	0.16	2	16.5	0.19
MU-550N-VT	Top	550	1.5"	10	125	0.22	2	21.1	0.23
MU-650N-VT	Top	650	1.5"	16	150	0.30	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	75	0.16	2	16.5	0.19
MU-550N-VS	Side	550	1.5"	10	125	0.22	2	21.1	0.23
MU-650N-VS	Side	650	1.5"	16	150	0.30	2	24.3	0.38
MU-700N-VS	Side	700	1.5"	19	225	0.50	2	33	0.45
MU-800N-VS	Side	800	2"	25	300	0.50	2	41.5	0.67
MU-900N-VS	Side	900	2"	30	400	0.64	2	52.3	0.95
MU-1000N-VS	Side	1000	2.5"	40	650	0.98	2	115	1.84
MU-1200N-VS	Side	1200	3"	56	1000	1.13	2	124	2.32

BS

Maximum Working Pressure
250kpa/36psi(2.5bar)
400kpa/58psi(4.0bar)

Maximum Temperature
50°C(122F)

Factory Testing Pressure
400kpa/58psi(4.0bar)
600kpa/86psi(6.0bar)

Size of Gravel
0.5mm~0.8mm

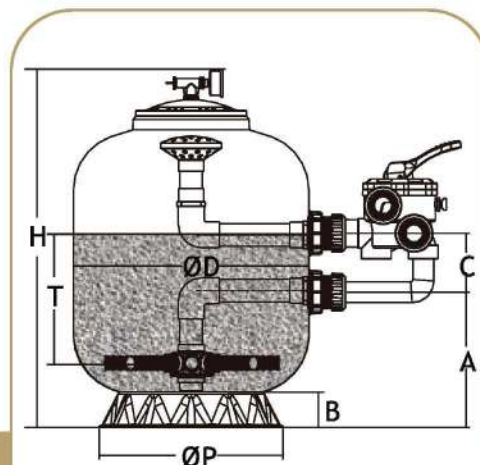


- Inner tank is adopted evacuation technology to make the filters more durable.
- Equipped with removable bolt type neck for more convenient maintenance, save repair cost.
- UV resistant wound structural fiberglass tanks.
- Manual safety pressure release.

- Large combination sand/water drain for easy winterizing.
- Sight glass for inspection of filtering process.
- Bolt type design makes the filter installation compactly.

Model	Filter Diameter (mm)	Filter Height (mm)	Design Flow (m³/h)	Filter Area (m²)	Connections (inch/mm)	Sand Weight (kg)
BS450	450	665	8	0.16	1.5"/50	50
BS500	500	720	10	0.20	1.5"/50	85
BS650	630	785	15	0.32	1.5"/50	135
BS700	700	855	19	0.38	1.5"/50	200
BS750	750	940	22	0.44	2"/63	230
BS800	800	980	25	0.50	2"/63	260
BS900	900	1070	32	0.64	2"/63	400
BS1000	1000	1190	38.7	0.79	2"/63	600
BS1100	1100	1300	43	0.95	2"/63	800
BS1200	1200	1380	51	1.13	2"/63	920

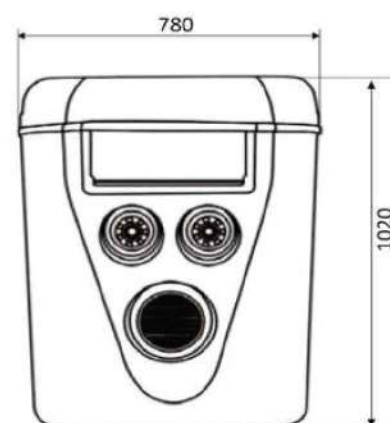
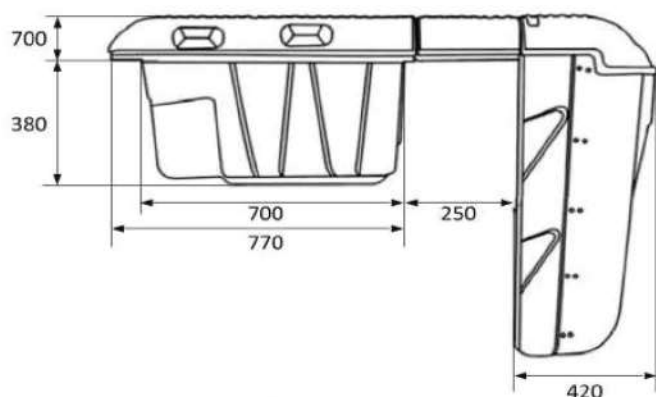
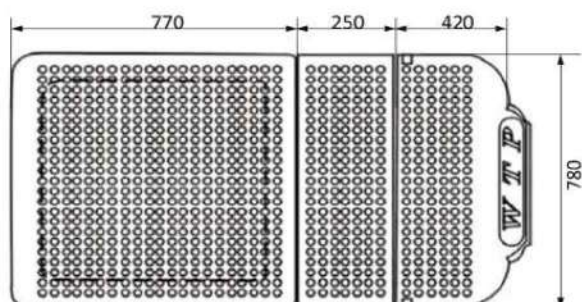
Model	BS450	BS500	BS650	BS700	BS750	BS800	BS900	BS1000	BS1100	BS1200
ØD(mm)	450	500	635	700	750	800	900	1000	1100	1200
H(mm)	665	720	785	855	940	980	1070	1190	1300	1380
A(mm)	260	280	310	360	385	385	430	540	650	650
B(mm)	75	75	95	95	95	150	150	150	180	180
C(mm)	125	125	125	125	220	220	220	220	220	220
ØP(mm)	390	390	565	565	565	790	790	790	1010	1010
T(mm)	250	280	300	350	410	410	480	510	560	600



BS450~BS1200

16 AQUA COMBO FILTRATION SYSTEM

- Filtration pump: 1><2HP
- Dual»speed pump (1HP»2HP): Optional
- Ozone generator: 500 mg/h
- Swimjet (pc): 2
- Filtration bagsSu (pc): 2
- Chemical feeding basket (pc): 2
- Underwater LED light (pc): 1
- RF waterproof remote control: Optional
- Saltwater pool chlorinator: Optional
- Power consumption: 1.6kw
- Dimensions (mm): 1450x760x1030



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

Wall -mounted filter Swimming Pool Whole Set Pool Filter Complete Filtration System

High quality acrylic, so the filter is anti-acid ,anti-fading, and easy to clean. Integrated filter installation without room, simple installation, convenient operation, excellent performance

Wall -mounted filter is made of high quality acrylic, so the filter is anti-acid, anti-fading, and easy to clean. Integrated filter installation without room, simple installation, convenient operation, excellent performance, thereby reducing the construction cost. The filter is made according to countries codes and standards, apply for entertainment place, water park, club, school, backyard, villa pool.

Pipeless Pool Filter Features:

- 1) No need machine house, saving construction and management cost.
- 2) Pipeless, saving cost of our swimming pool filter.
- 3) Acrylic shell is easy to clean, anti-corrosion, pressure and UV protection, one time molding will not leak water.
- 4) Save energy, reduce power consumption.
- 5) Environmental protection, newest filter bag with big filtration area and high precision, reduce water change time.
- 6) More function in one machine, counter cross swimming, spa and air jet.

TECHNICAL CHARACTERISTICS

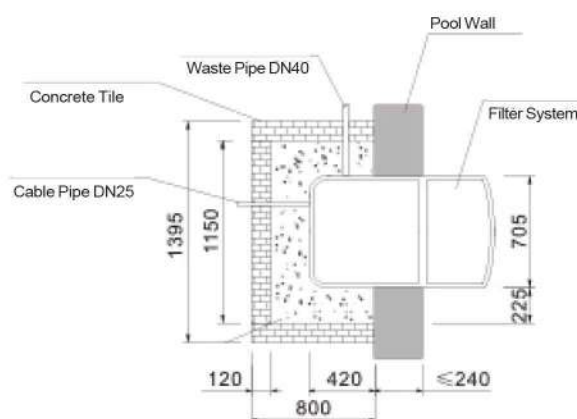
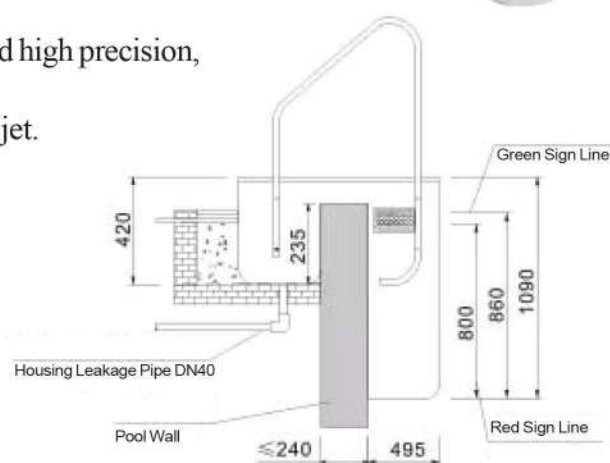
Dimensions	1150x710x1090 mm
Flow Rate	25m ³ /h
Voltage	220V / 50Hz
Precision of filtration bag	≤ 5u
Operating Noise	≤ 50Db
Material	Acrylic

EQUIPMENT

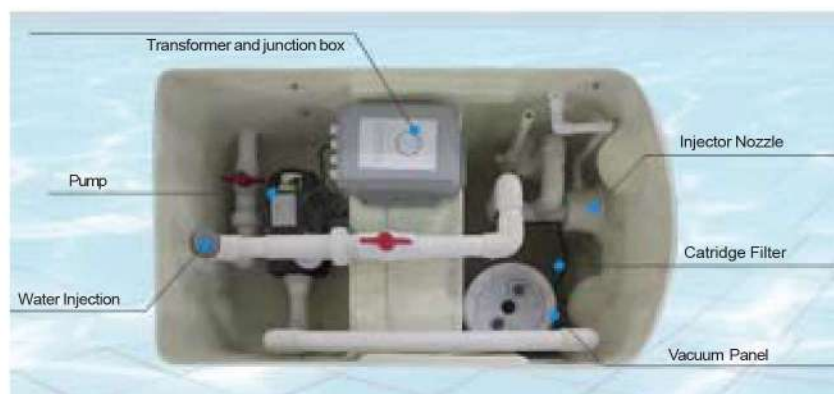
Filtration Pump	1x2HP	1x3HP
Filtration basket with bag	1pc	2pcs
Chlorine feeder	1pc	
Light (Warm White)	1 x LED	12W / 12V
Time Controller	1pc	
Swim jet	2pcs	
Hadle rail (S.S.)	2pcs	

SYSTEM

Filtration system	1pc
Disinfection system	1pc
Time Control system	1pc
Circle system	1pc
Lighting system	1pc



Filter Structure



Portable Trolley Filtration Sand Filter

- Fast and easy set-up, ready to install
- Specially sized Electa sand filter with Horizon Plus pump
- Blow moulded filter tank top mounted
- Large pump strainer basket to extend service periods
- Union connections for quick installation and servicing
- Control Panel for pump, Electrical Cable 15m, Vacuum Hose 15m length included



Portable Trolley Filtration Cartridge Filter

- Fast and easy set-up, ready to install
- Specially sized Cartridge Filter with Horizon Plus pump
- Large pump strainer basket to extend service periods
- Union connections for quick installation and servicing
- Control Panel for pump, Electrical Cable 15m, Vacuum Hose 15m length included



PUMPS & COUNTER CURRENT 02/22

SELF PRIMING PUMP 'PARMA'

An energy efficient self-priming centrifugal pump, equipped with a large capacity pre-filter to increase water circulation and filtration in residential swimming pools.

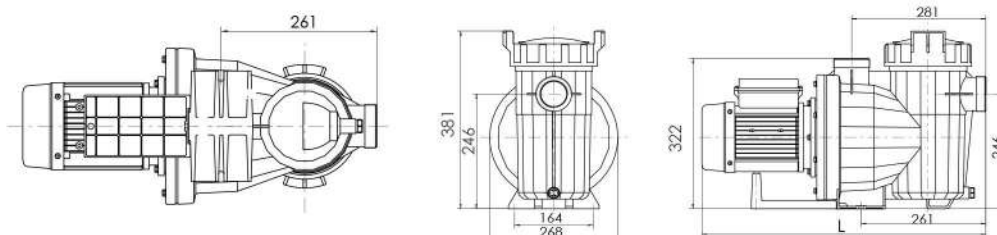


Technical features

- Fibreglass reinforced polypropylene body, Impeller
- Polypropylene strainer to prevent debris from entering the system
- Strainer lid in clear stainer lid for easy inspection
- Shaft SS 316
- Mechanical seal in Ceramic/graphite/viton/304
- Operating range: Up to 35-2 m³/h with pressure head of up to 2-24 m
- Maximum liquid temperature: 50 °C
- Maximum ambient temperature: 50 °C
- Speed 2900 rpm
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F



Dimensions

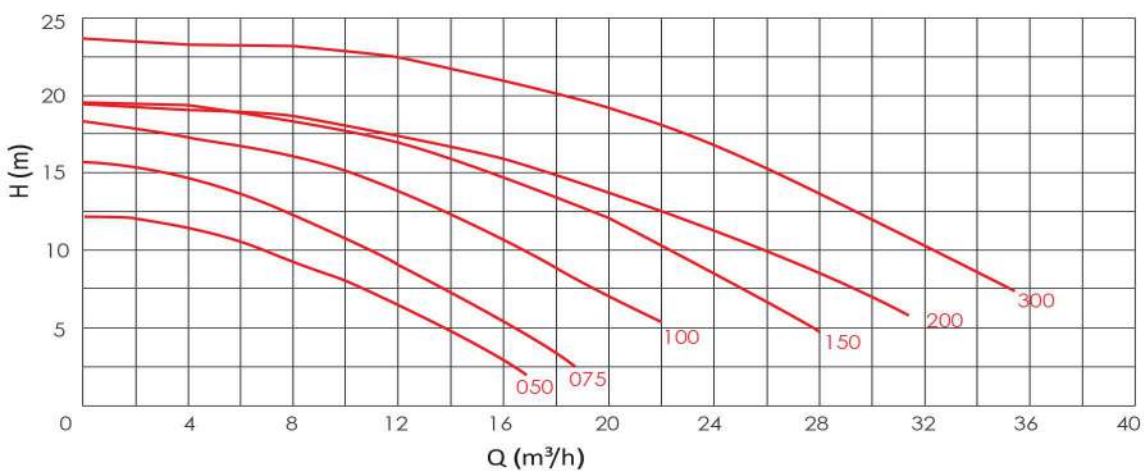


Models

PRODUCT CODE	CONNECTION DNA/DNM	INTENSITY A			DIMENSIONS mm L	PKG	WEIGHT kg	VOLUME m ³
		II 230	III 230	III 400				
PARMA050M	2"	3.2	-	-	576	1	14	0.077
PARMA050T	2"	-	1.7	1.0	576	1	14	0.077
PARMA075M	2"	3.8	-	-	576	1	15.8	0.077
PARMA075T	2"	-	2.4	1.4	576	1	15.8	0.077
PARMA100M	2"	5.2	-	-	576	1	16.8	0.077
PARMA100T	2"	-	3.6	2.1	576	1	16.8	0.077
PARMA150M	2"	7	-	-	595	1	19.5	0.080
PARMA150T	2"	-	4.5	2.6	595	1	19.5	0.080
PARMA200M	2"	8.6	-	-	595	1	20	0.080
PARMA200T	2"	-	6.0	3.5	595	1	20	0.080
PARMA300M	2"	14	-	-	636	1	25	0.085
PARMA300T	2"	-	9.0	5.2	636	1	25	0.085



Hydraulic features



SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT m	2	4	6	8	10	12	14	16	18	20	22	24
PARMA050M	PARMA050T	FLOW (m³/h)	16	15	12	10	6	2	-	-	-	-	-	-
PARMA075M	PARMA075T		18	17	15	13	11	8	4	2	-	-	-	-
PARMA100M	PARMA100T		-	23	21	19	16	14	11	6	2	-	-	-
PARMA150M	PARMA150T		-	28	26	24	22	20	16	13	4	-	-	-
PARMA200M	PARMA200T		-	-	31	29	26	22	20	16	8	4	-	-
PARMA300M	PARMA300T		-	-	-	35	32	30	28	25	22	19	12	4



Electric features

PUMP MODEL 50HZ	INPUT POWER P1 KW		OUTPUT POWER P2		NOISE LEVEL MAX db A
	1 x 220-240 V ~	3 x 230-400 V ~	kW	HP	
PARMA050M	0.56	-	0.37	0.5	60.7
PARMA050T	-	0.56	0.37	0.5	60.7
PARMA075M	0.74	-	0.56	0.75	63
PARMA075T	-	0.74	0.56	0.75	63
PARMA100M	1.1	-	0.75	1	63.5
PARMA100T	-	1.1	0.75	1	63.5
PARMA150M	1.5	-	1.1	1.5	64.9
PARMA150T	-	1.5	1.1	1.5	64.9
PARMA200M	1.86	-	1.5	2	66.7
PARMA200T	-	1.86	1.5	2	66.7
PARMA300M	2.98	-	2.2	3	76
PARMA300T	-	2.98	2.2	3	76



VERDON ES

FUNCTIONALITY FOR ALL POOLS



SIMPLE AND RELIABLE

Verdon ES pumps are a simple solution for pumping the water of any pool. Single speed pumps to be easily installed due to their already included fittings and easy access electrical box. And ensuring reliability at the core of the pool, as any AstralPool pump.



FOR ALL POOLS

Available in a wide range of powers for single-phase and three-phase motors, Verdon ES adapts to any pool size. A pump that can service any residential pool, delivering from 7 to 31 m³/h. In addition, it withstands all common chemical treatments, including salt water chlorination.



EASY MAINTENANCE

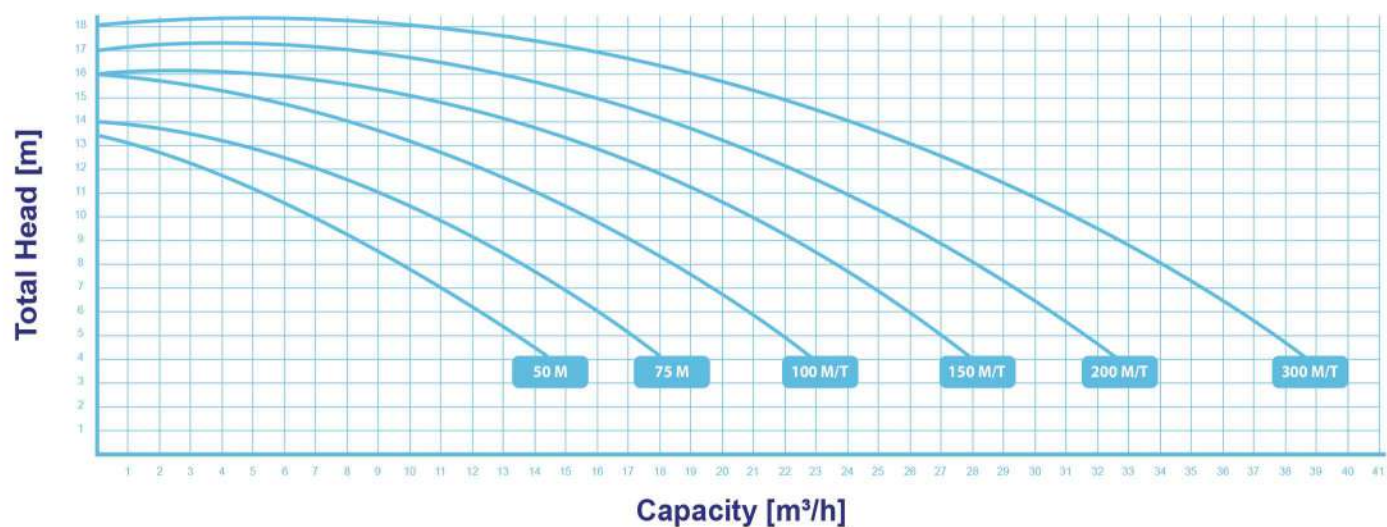
Thanks to its 3 liters high capacity pre-filter, maintenance comes easier. It allows to have a good flow for longer and lowers the maintenance frequency.

ASTRALPOOL PUMPS. EXCELLENCE AT THE HEART OF THE POOL.

TECHNICAL FEATURES

CODE	MODEL	Voltage	Capacity	Head	Max. Head	Max. Capacity at Head=4m	Motor Rated Output	Max. Absorbed Power	Pipe Size	Standard weight	Standard volume
		U _N (V)	Q _N (m³/h)	H _N (m)	H _{MAX} (m)	Q _{MAX} (m³/h)	P _{2N} (kW)	P _{1MAX} (kW)	D (mm)	Kg	m³
73676	50M	230	7	10	13,5	14,5	0,38	0,56	D50	12	0.07
73678	75M	230	10,5	10	14	18	0,56	0,73	D50	13	0.07
73680	100M	230	15,5	10	16	23	0,75	0,96	D50	14	0.07
73681	100T	230/400	15,5	10	16	23	0,75	0,96	D50	14	0.07
73682	150M	230	20,5	10	16	28	1,12	1,42	D63	17	0.07
73683	150T	230/400	20,5	10	16	28	1,12	1,35	D63	17	0.07
73684	200M	230	25	10	17	32,5	1,49	1,85	D63	18	0.07
73685	200T	230/400	25	10	17	32,5	1,49	1,85	D63	19	0.07
73686	300M	230	31	10	18	39	2,24	2,56	D75	23	0.07
73687	300T	230/400	31	10	18	39	2,24	2,35	D75	19	0.07

PERFORMANCE



DIMENSIONS

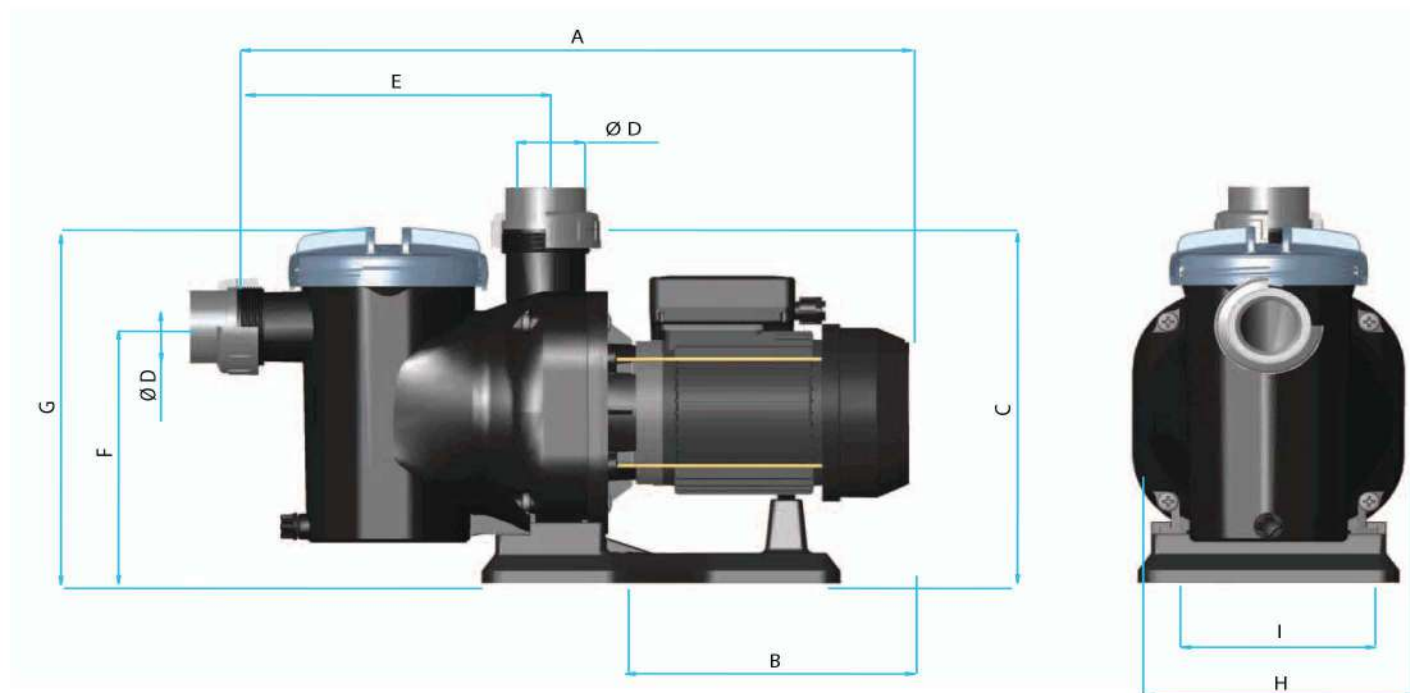


CODE	MODEL	VOLTAGE	DIMENSIONS (mm)						
			A	B	C	D	E	F	G
73676	050 M	230 V	581	280	220	2"¾	348	326	254
73678	075 M	230 V	581	280	220	2"¾	348	326	254
73680	100 M	230 V	581	280	220	2"¾	348	326	254
73681	100 T	230 -400 V	581	280	220	2"¾	348	326	254
73682	150 M	230 V	615	280	220	2"¾	348	326	254
73683	150 T	230 -400 V	615	280	220	2"¾	348	326	254
73684	200 M	230 V	615	280	220	2"¾	348	326	254
73685	200 T	230 -400 V	615	280	220	2"¾	348	326	254
73686	300 M	230 V	646	280	220	2"¾	348	326	254
73687	300 T	230 -400 V	615	280	220	2"¾	348	326	254

Verdon ES is designed and produced in Europe to be a reliable pump to serve any residential pool.



Astral Sena Pump



Code Code	A	B	C	Ø D	E	F	G	H	I
25461	472,3	191,5	290,5	50	225,5	210,5	296,7	199	142
25462	472,3	191,5	290,5	50	225,5	210,5	296,7	199	142
25463	489	208,2	290,5	50	225,5	210,5	296,7	199	142
25464	489	208,2	290,5	50	225,5	210,5	296,7	199	142
25465	489	208,2	290,5	50	225,5	210,5	296,7	199	142
25466	489	208,2	290,5	50	225,5	210,5	296,7	199	142
25467	489	208,2	290,5	50	225,5	210,5	296,7	199	142
25468	489	208,2	290,5	50	225,5	210,5	296,7	199	142

VICTORIA PLUS SILENT

Victoria Plus Silent. The new generation of filtration pumps

The filtration pump is the most important component for the good performance of any pool. It is core to the way a pool works as it performs several functions, all of which are essential for running and maintaining it.

There is a great variety of pool pumps in the market in terms of quality and performance, but not all pumps are the same. Power is not the only feature that makes a difference to a pump. Its quality depends on the materials it is made of, as this will determine its service life and sound level, on the hydraulic structure and, last but not least, on how easy the prefilter is to use and its size.

AstralPool, the world's leading pool brand, is launching what is probably the best filtration pump in the market: Victoria Plus Silent.

Advantages of Victoria Plus Silent

- **A longer service life** thanks to its state-of-the-art thermoplastic materials and motors with IP-55 protection rating that have been prepared to withstand hot environments and high levels of humidity.
- **Easy to use and maintain** as it has a built-in pre-filter with two levers and better protection to prevent foreign bodies from getting in that could damage the pump's hydraulic parts.
- **For all pools** as it comes in a wide range of single-phase and three-phase motors from 1/2 to 3 cv. Victoria Plus Silent is self-priming.



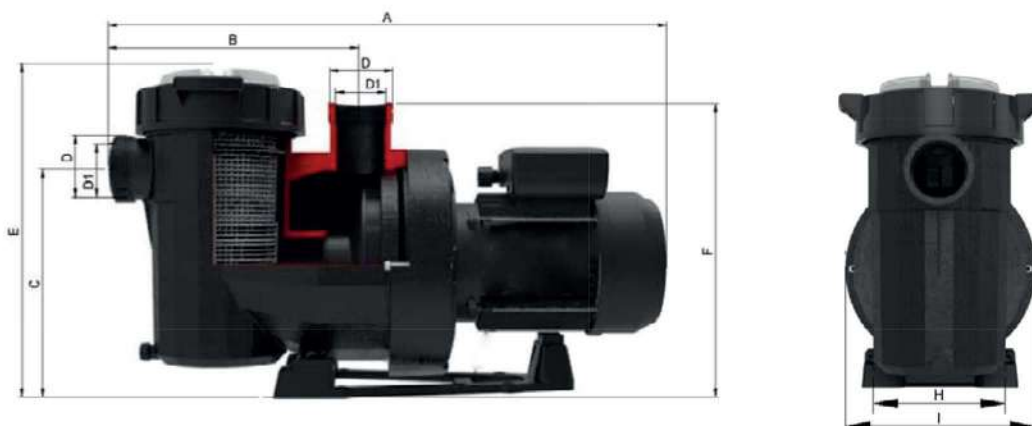
SILENT

Sound level below 70 dBa.

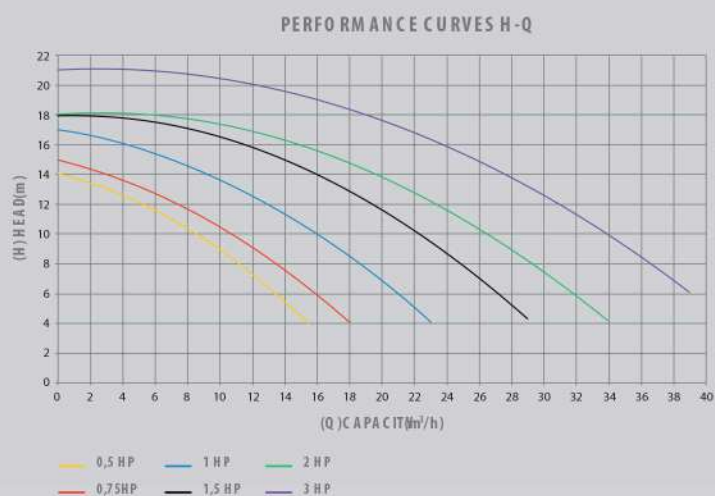


The new generation of filtration pumps

Technical information:

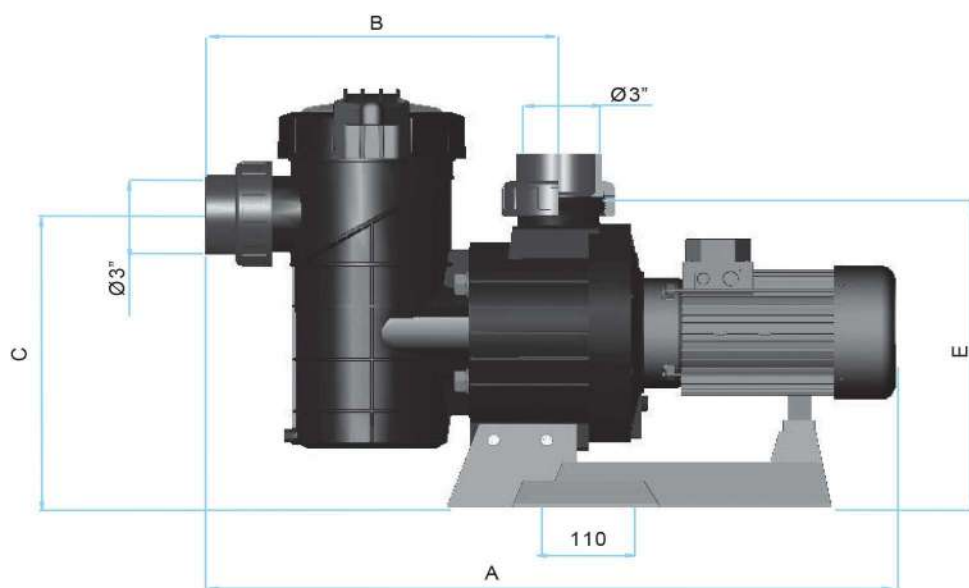


Code	Dimensions								
	A	B	C	D	D1	E	F	H	I
65557	581	281	246	External Thread on the Victoria Plus Silent	2" GAS	359	322	164	254
65558	581	281	246		2" GAS	359	322	164	254
65560	581	281	246		2" GAS	359	322	164	254
65561	581	281	246		2" GAS	359	322	164	254
65562	581	281	246		2" GAS	359	322	164	254
65563	581	281	246		2" GAS	359	322	164	254
65564	615	281	246		2" GAS	359	356	164	254
65565	615	281	246		2" GAS	359	356	164	254
65566	615	281	246		2" GAS	359	356	164	254
65567	615	281	246		2" GAS	359	356	164	254
65569	646	281	246		2" GAS	359	387	164	254
65570	615	281	246		2" GAS	359	356	164	254



Code	Power CV/HP	Voltage V	Max. H m	RPM	Nom. Q m³/h	Nom. H m	Weight kg	Volume m³
65557	1/2 CV II	230V	14	2810	11	8	12	0.07
65558	1/2 CV III	230/400V	14	2825	11	8		
65560	3/4 CV II	230V	15	2802	11	10	13	
65561	3/4 CV III	230/400V	15	2810	11	10		
65562	1 CV II	230V	17	2810	16	10	14	
65563	1 CV III	230/400V	17	2810	16	10		
65564	1.5 CV II	230V	18	2800	22,5	10		
65565	1.5 CV III	230/400V	18	2810	22,5	10		
65566	2 CV II	230V	18	2860	26,5	10	17	
65567	2 CV III	230/400V	18	2800	26,5	10		
65569	3 CV II	230V	21	2827	34	10	18	
65570	3 CV III	230/400V	21	2780	34	10		

Pool Pump



Código Code	A	B	C	D	E
08003	813	432	386	534	409
08004	845	432	386	534	409
08005	845	432	386	534	409

Medidas en mm
Sizes in mm

230/400 V 50 Hz	Intensidad A		P1 (Kw)	P2		Q(m ³ /h)	H(m.c.a)					
	230 V III	400 V III	III	kW	HP		8	10	12	14	16	18
08003	10	5,8	3,22	2,6	3,5		56	50	42	34	23	-
08004	13	7,4	4,06	3,3	4,5		74	66	57	46	30	15
08005	15	8,4	4,83	4	5,5		88	78	67	53	34	17



SPAINO PUMP®

water pump

International Brand
WORLD WIDE





SPAINO PUMP®



01 PERIPHERAL MONOBLOCK WATER PUMP



02 CENTRIFUGAL MONOBLOCK WATER PUMP



03 CENTRIFUGAL MONOBLOCK WATER PUMP



04 MULTISTAGE HORIZONTAL PUMP



05 STAINLESS STEEL SUBMERSIBLE PUMPS



06 HEAVY DUTY MULTISTAGE HORIZONTAL PUMP



07 MULTISTAGE (H) PUMP WITH PRESSURE CONTROL



08 SWIMMING POOL PUMP



09 MULTISTAGE PUMP



10 PETROL - DIESEL ENGINE WATER PUMPS



11 FOUNTAIN SUB PUMP



12 STAINLESS STEEL (OPEN IMPELLER) SUBMERSIBLE PUMP



13 SUBMERSIBLE CLEAN WATER PUMP



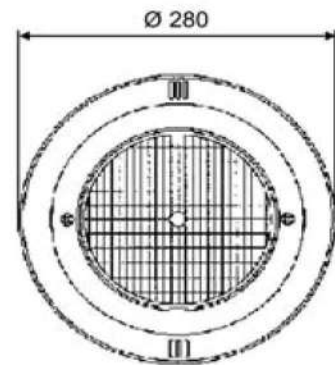
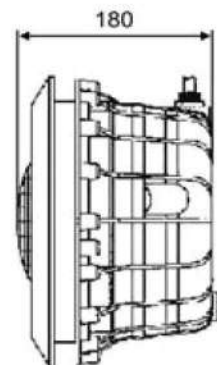
14 SUBMERSIBLE SEWAGE AND DRAINAGE PUMP (OPEN IMPELLER)



15 SUBMERSIBLE SEWAGE AND DRAINAGE CUTTER PUMP

02 ABS UNDER WATER LIGHT

- Made of top quality ABS materials with UV resistant additives.
- The fixing of the front part is with stainless steel claws for a stronger grip and longer life.
- Niche with back thread of 3/4", with an optional marked hole for rear connection.
- Supplied with a very soft & water tight cable of 2.5 meters of length.
- Supplied with a water tight gland and a corrugated tube of 1 meter.
- Available with color options.
- With brass inserts or self-threading.
- Sandwich seals for panel pools.
- CE certified.
- IP68 protection.



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

09 ABS "MINI DICHRO" UNDERWATER LIGHT

- U/W lights for Polyester/Liner pool or spa, made of UV resistant white ABS.
- Easily disassembled, using the outer side of the frame as a key when the lamp needs replacement.
- IP 68 protection rate.



E-112



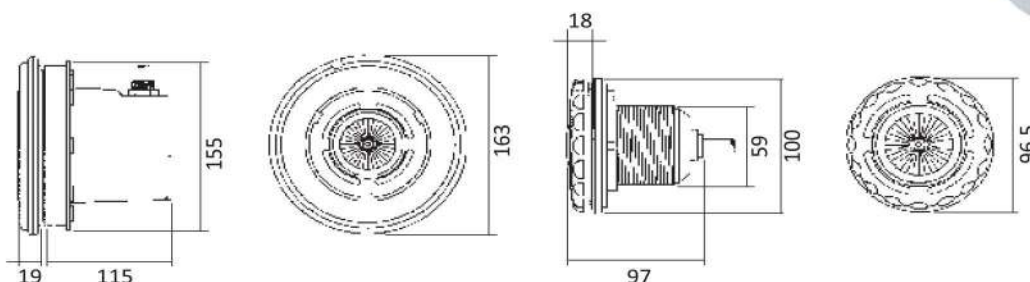
SSRIM02



E-113



SSRIM01



CODE	DESCRIPTION	SPOT	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		600			
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

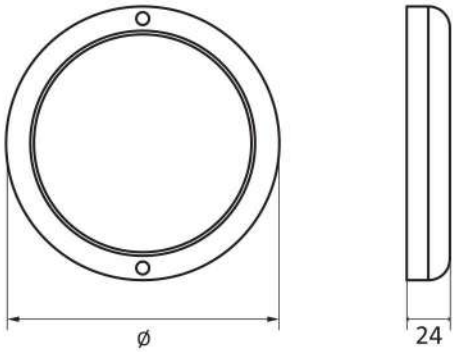
14 ABS LED FLAT LIGHT

- Made of super bright LED with high quality
- Acid-proof, alkali-proof and UV resistant
- The lamp is filled with epoxy inside which makes it 100% waterproof
- Unique technique of resin filling, with waterproof level IP68
- Constant color and brightness with protection of over electricity and electric surge
- Low power consumption, high stability
- Easy to install, suitable for concrete or liner structure (Installation kit not included)
- Possible to install for PAR56 light housing with additional supports
- Cable length 4m HO 7RN-F 2x1.0 2mm
- Controller that supports 16 different kinds of color changing programs, you can switch the lamp to next show by powering off and powering on via the remote control to get an exciting color shows, florid and attractive



ABS LED FLAT LIGHT

- Made of super bright LED with high quality
- Acid-proof, alkali-proof and UV resistant
- The lamp is filled with epoxy inside which makes it 100% waterproof
- Unique technique of resin filling, with waterproof level IP68
- Constant color and brightness with protection of over electricity and electric surge
- Low power consumption, high stability
- Easy to install, suitable for concrete or liner structure (Installation kit not included)
- Cable length 4m H07RN-F 2x1.0 2mm



CONTROLLER
RC-03B



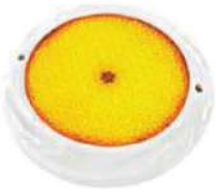
REMOTE
RC-03B



CONTROLLER
RC-01



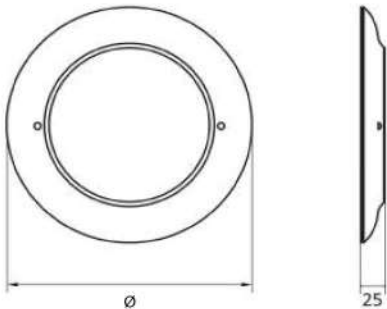
REMOTE
RC-01



CODE	DESCRIPTION	LUMEN	COLOR	LED	WATT	Ø	PACKING	WEIGHT	VOLUME
						mm		kg	m³
E-107-252-W	Resined water proof ABS under water flat light 12V AC	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-01	Controller and remote controller (12V AC INPUT - OUTPUT 30A 360WATT)								
RC-03B	Controller and remote controller (220-240V AC INPUT - OUTPUT 220-240V AC)								
E-107KIT	Kit for liner Pools								

STAINLESS STEEL LED FLAT LIGHT

- Made of super bright LED with high quality
- Acid-proof, alkali-proof and UV resistant
- The lamp is filled with epoxy inside which makes it 100% waterproof
- Unique technique of resin filling, with waterproof level IP68
- Constant color and brightness with protection of over electricity and electric surge
- Low power consumption, high stability
- Easy to install, suitable for concrete or liner structure (Installation kit not included)
- Possible to install for PAR56 light housing with additional supports
- Cable length 4m H07RN-F 2x1.0 2mm



CONTROLLER
RC-03B



REMOTE
RC-03B



CONTROLLER
RC-01

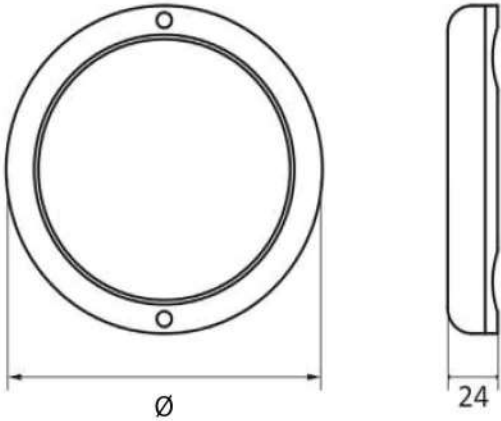


REMOTE
RC-01

CODE	DESCRIPTION	LUMEN	COLOR	LED	WATT 12 VAC	Ø	PACKING	WEIGHT	VOLUME
						mm		kg	m³
E-108SS-252-RGB	Stainless steel led flat light	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
E-108SS-423-RGB		2750	RGB	423	55	260	1	2	0.068
E-108SS-423-W		6000	White	423	60	260	1	2	0.068
E-108SS-423-WW		6000	Warm white	423	60	260	1	2	0.068
E-108SS-630-RGB		1800	RGB	630	40	260	1	2	0.068
E-108SS-630-W		3900	White	630	45	260	1	2	0.068
E-108SS-630-WW		3900	Warm white	630	45	260	1	2	0.068
RC-01	Controller and remote controller (12V AC INPUT - OUTPUT 30A 360WATT)								
RC-03B	Controller and remote controller (220-240V AC INPUT - OUTPUT 220-240V AC)								
E-108KIT	Kit for liner Pools								

25 STAINLESS STEEL LED FLAT LIGHT

- Made of super bright LED with high quality
- Acid-proof, alkali-proof and UV resistant
- The lamp is filled with epoxy inside which makes it 100% waterproof
- Unique technique of resin filling, with waterproof level IP68
- Constant color and brightness with protection of over electricity and electric surge
- Low power consumption, high stability
- Easy to install, suitable for concrete or liner structure (Installation kit not included)
- Cable length 4m H07RN-F 2x1.0 2mm



CONTROLLER
RC-03B



REMOTE
RC-03B



CONTROLLER
RC-01

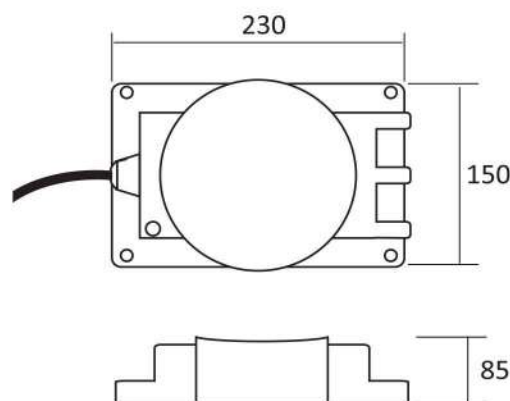


REMOTE
RC-01

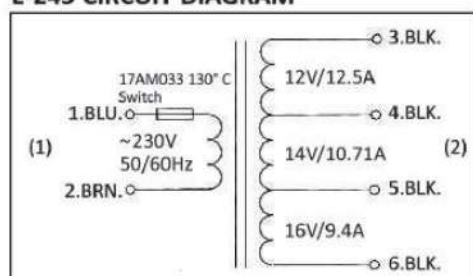
CODE	DESCRIPTION	LUMEN	COLOR	LED	WATT 12 VAC	Ø	PACKING	WEIGHT	VOLUME
						mm		kg	m³
E-107SS-252-W	Stainless steel led flat light	2100	White	252	21	152	1	0.96	0.045
E-107SS-252-WW		2100	Warm white	252	21	152	1	0.96	0.045
E-107SS-252-RGB		1350	RGB	252	18	152	1	0.96	0.045
RC-01	Controller and remote controller (12V AC INPUT - OUTPUT 30A 360WATT)								
RC-03B	Controller and remote controller (220-240V AC INPUT - OUTPUT 220-240V AC)								
E-107KIT	Kit for liner Pools								

CASCADE TRANSFORMER

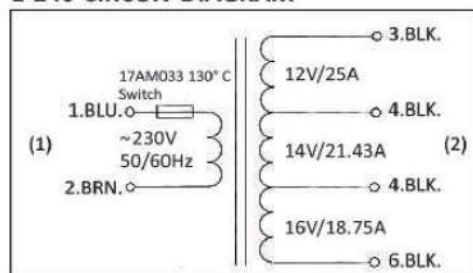
- IP64 transformer with cables for fast wiring.
- Its high quality guarantees its very long life under heavy duty conditions.
- Input 230v-240v, Output 12,14 and 16v. 50/60 HZ.
- Specially recommended for humid areas and where water is close.
- Manufactured under European norms, CE certified.



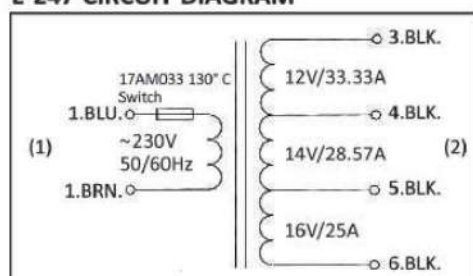
E-245 CIRCUIT DIAGRAM



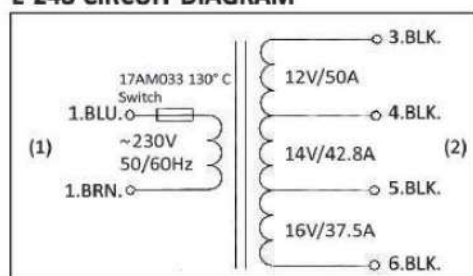
E-246 CIRCUIT DIAGRAM



E-247 CIRCUIT DIAGRAM



E-248 CIRCUIT DIAGRAM



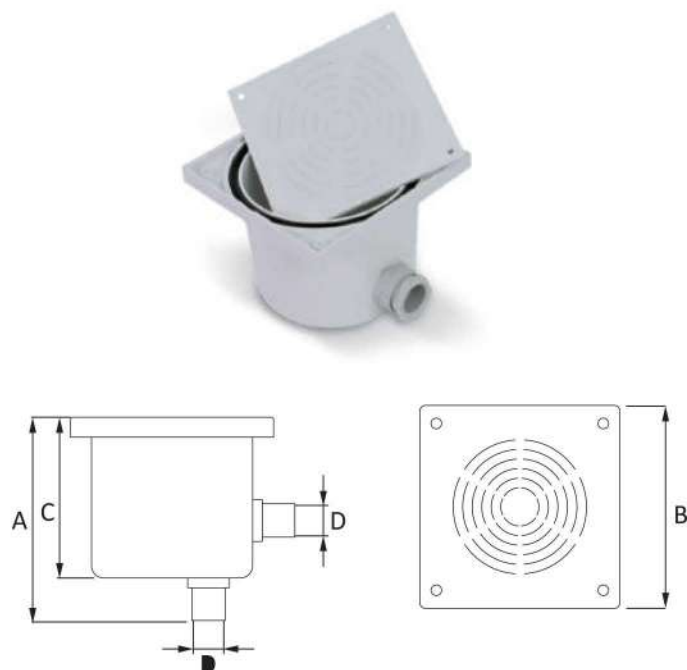
CODE		UNLOAD VOLTAGE (V ± 5%) AC	LOADING VOLTAGE (V ± 5%) AC	RATED CURRENT (A)
E-245	S1:3~4	0~13.1V	0~12V	12.5A
	S1:3~5	0~15.2V	0~14V	10.71A
	S1:3~6	0~17.65V	0~16V	9.4A
E-246	S1:3~4	0~12.68V	0~12V	25A
	S1:3~5	0~14.87V	0~14V	21.43A
	S1:3~6	0~17.05V	0~16V	18.75A
E-247	S1:3~4	0~12.32V	0~12V	33.33A
	S1:3~5	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	CURRENT	PACKING	WEIGHT	VOLUME
	W	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

AQUA ABS CONNECTION BOX

- For connections between lights.
- Constructed of white, UVA-resistant ABS plastic.
- Fully leakproof with O-ring for cover and gland seals for outlets.
- IP 65 Protection rate.

CODE	DIMENSIONS				PACK-ING	WEIGHT	VOLUME
	A	B	C	D		kg	m³
200300009	13.5	13.5	10.5	M25	40	15	0.1



ABS CONNECTION BOX

- For connections between lights.
- Constructed of white, UVA-resistant ABS plastic.
- Fully leakproof with O-ring Incorporated on the lid and two cable connectors
- IP 65 Protection rate.

CODE	DIMENSIONS					PACK-ING	WEIGHT	VOLUME
	A	B	C	D	E		kg	m³
E-242	120	120	48	32	25.4	1		



FLEXIBLE CONNECTION CABLE

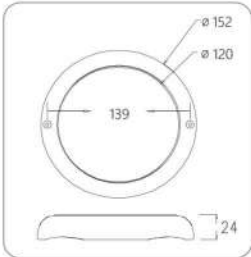


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
			kg	m³
200300010	Connection cable 2m 20mm with 2 threaded end socket 3/4" M25	1		

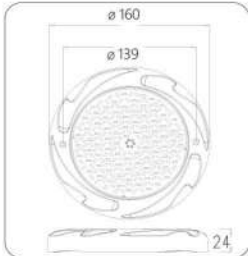
Resin Filled Pool Light



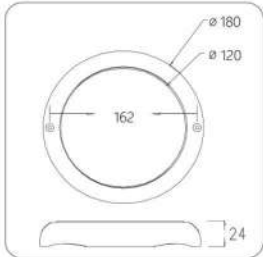
PL-RF152-PC



PL-RF160-PC



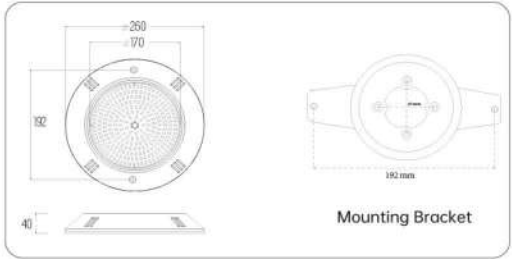
PL-RF180-PC



Model	Power (W)	LED Qty(Pcs)	Voltage	Emitting Color		Basic Parameters
PL-RF152-PC	10 W	135 SMD2835	AC12/24V	RGB	RGBW	Housing: PC
PL-RF152-SS	18 W	252 SMD2835 SMD5730		RGBWW	RGB3ni1	Front cover: PC
PL-RF160-PC				Blue	Green	CRI: Ra > 80°
PL-RF180-PC				Yellow	Red	IP Grade: IP 68
				White	Cool White	Working environment:-20°~40°
			Warm White		Beam Angle: 120°	



PL-RF260-B



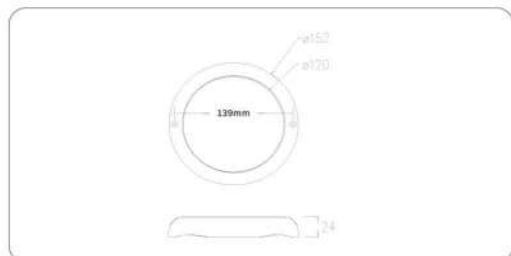
PL-RF270

Model	Power (W)	LED Qty(Pcs)	Voltage	Emitting Color		Basic Parameters
PL-RF270	18 W	252 SMD2835/5730	AC12/24V	RGB	RGBW	Housing: PC
	25 W	324 SMD2835		RGBWW	RGB3ni1	Front cover: PC
PL-RF260-B	35 W	432 SMD2835		Blue	Green	CRI: Ra > 80°
	40 W	558 SMD2835		Yellow	Red	IP Grade: IP 68
				White	Cool White	Working environment:-20°~40°
			Warm White		Beam Angle: 120°	

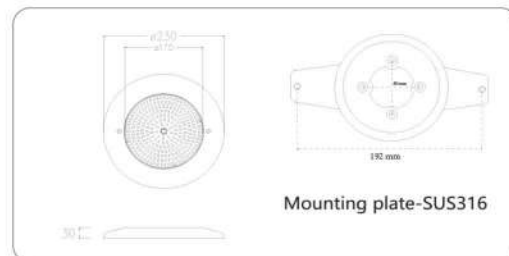
316SS Wall Mounted Swimming Pool Light



PL-RF152SS



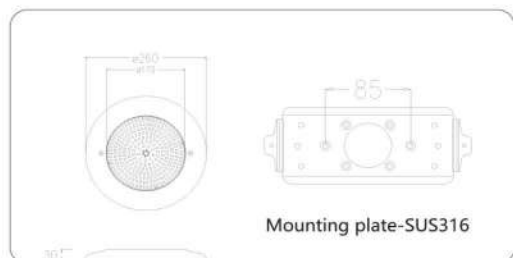
PL-RF230SS-A



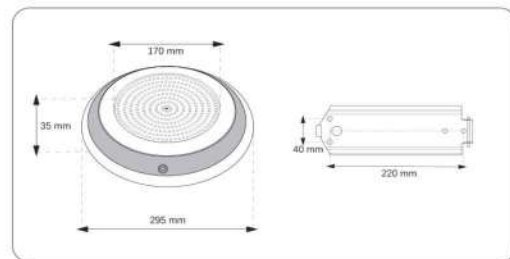
Model	Power (W)	LED Qty(Pcs)	Voltage	Emitting Color	Basic Parameters
PL-RF152SS	10 W	135 SMD2835/5730	AC12/24V	RGB	Housing: PC Front cover: 316 SS CRI: Ra > 80° IP Grade: IP 68 Working environment:-20°~40° Beam Angle: 120°
	18 W	252 SMD2835		RGBWW	
PL-RF260-B	18 W	252 SMD2835		Blue	
	25 W	324 SMD2835		Yellow	
	35 W	432 SMD2835		White	
	40 W	558 SMD2835		Warm White	



PL-RF260SS-A



PL-RPS295-C



Model	Power (W)	LED Qty(Pcs)	Voltage	Emitting Color	Basic Parameters
PL-RF260-B	18 W	252 SMD2835/5730	AC12/24V	RGB	Housing: PC Front cover: 316SS CRI: Ra > 80° IP Grade: IP 68 Working environment:-20°~40° Beam Angle: 120°
	25 W	324 SMD2835		RGBWW	
	35 W	432 SMD2835		Blue	
	40 W	558 SMD2835		Yellow	
PL-RPS295-A	12 W	144 SMD2835		White	
	18 W	180 SMD2835		Warm White	

304SS LED Fountain Light



PL-FLB110



PL-FLB130



PL-FLB160



PL-FLB180



PL-FLB200

Model	Power (W)	Product Size(mm)	Aperture (mm)	Voltage	Emitting Color	Basic Parameters
PL-FLB110	6 W	110*70 mm	38 mm	DC12/24V	Red Green Blue RGB White Warm White	Material: 304SS CRI: Ra > 80° IP Grade: IP 68 Default Angle: 30° Working environment: -20°~40° Optional Angle: 8°/15°/30°/45°/60°/90°
PL-FLB130	9 W	130*70 mm	38 mm			
PL-FLB160	12 W	160*80 mm	38 mm			
PL-FLB180	18 W	180*80 mm	50 mm			
PL-FLB200	24 W	200*80 mm	60 mm			



304SS Underwater Spot Light



PL-UW82



PL-UW120



PL-UW145-A



PL-UW145-B



PL-UW160A



PL-UW160B

Model	Power (W)	Product Size(mm)	Aluminum substrate size(mm)	Voltage	Emitting Color	Basic Parameters
PL-UW82	3 W	140*82 mm	53 mm	DC12/24V	Red Green Blue RGB White Warm White	Material: 304SS CRI: Ra > 80° IP Grade: IP 68 Default Angle: 30° Working environment:-20°~40° Optional Angle:8°/15°/30°/45°/60°/90°
PL-UW120	6 W	140*120 mm	98 mm			
PL-UW145-A	9 W	180*145 mm	112 mm			
PL-UW145-B	12 W	180*145 mm	112 mm			
PL-UW160-A	15 W	180*160 mm	120 mm			
PL-UW160-B	18 W	180*160 mm	140 mm			



PL-UW190



PL-UW210

Model	Power (W)	Product Size(mm)	Aperture (mm)	Voltage	Emitting Color	Basic Parameters
PL-UW190	24 W	170*190 mm	165 mm	DC12/24V	Red Green Blue RGB White Warm White Cool White	Material: 304SS CRI: Ra > 80° IP Grade: IP 68 Default Angle: 30° Working environment:-20°~40° Optional Angle:8°/15°/30°/45°/60°/90°
PL-UW210	36 W	170*210 mm	165 mm			

LED Underground Light



PL-UGL65



PL-UGL80



PL-UGL100



PL-UGL120



PL-UGL150



PL-UGL180

Model	Power (W)	LED Chip	Product Size(mm)	Voltage	Emitting Color	Basic Parameters
PL-UGL65	1 W	1 X 1 W	65 mm	DC12/24V	Red Green Blue RGB White Warm White	Material: 304SS CRI: Ra > 80° IP Grade: IP 66 Default Angle: 30° Working environment:-20°~40° Optional Angle:8°/15°/30°/45°/60°/90°
PL-UGL80	3 W	3 X 1 W	80 mm			
PL-UGL100	3 W	3 X 1 W	100 mm			
PL-UGL120	6 W	6 X 1 W	120 mm			
PL-UGL150	7 W	7 X 1 W	150 mm			
PL-UGL180	9 W	9 X 1 W	180 mm			



PL-UGL200



PL-UGL220

Model	Power (W)	LED Chip	Product Size(mm)	Voltage	Emitting Color	Basic Parameters
PL-UGL200	15 W	15 X 1 W	200 mm	DC12/24V	Red Green Blue RGB White Warm White Cool White	Material: 304SS CRI: Ra > 80° IP Grade: IP 66 Default Angle: 30° Working environment:-20°~40° Optional Angle:8°/15°/30°/45°/60°/90°
PL-UGL220	18 W	18 X 1 W	220 mm			

Pool Bulbs



Pool Chemicals



Pool Chemicals



Pool Cleaning Equipments



Pool Maintenance Equipments



BATTISTA ROBOTIC POOL CLEANER

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	18 kg / 0.12 m3
Cleaning area	All - around
Filtration accuracy	≥ 100 µm
Length of floating cable	17 m
Working	10 - 35 C °
Filtration speed	14-18 m3 / h
Inpu voltage	200-240 V
Output current	5.6 A
Freaquency	50 Hz
Hourse Power	150w
IP Class for controller Box	IP 54
IP Class for motor	IP 68

Fountain Nozzle



Air Blower Pool Pump 220V 1PH Industrial High Pressure Vortex Vacuum Pump Dry Air Blower for Industrial Machine

Feature

Centrifugal vanes make high pressure, great outflow and low noise.

High quality engine ensure safe and steady effect. Non-oil lubrication and pure compressed air. Phosphorize, regular coloring and adhesive strength.

Wide range of power, long life of this machine

Application

To be used in paper cutters, filter cigarette shapers, pulverizing dries, net printers, photo plate makers, liquid-canning machines, electric welding equipment, film machinery, paper transporting, clothes dry-cleaning, rinsing, air cleaning, pneumatic conveying, material conveying, collection and so on

Note

The products must be put at dry and ventilated places above water level



Product Technical Characteristics:

Model No	Volatage	Power	Pressure	Vacuum	Output	Pressure	Weight Kg	Dimension mm
XB-550	220v/380v/50HZ	550w	15kPa	-12kPa	95m ³ /h	<10kPa	10	294x283x315
XB-750	220v/380v/50HZ	750w	18kPa	-14kPa	110m ³ /h	<10kPa	14	284x288x315
XB-1100	220v/380v/50HZ	1100w	22kPa	-18kPa	165m ³ /h	<16kPa	20	313x333x339
XB-1500	220v/380v/50HZ	1500w	25kPa	-18kPa	230m ³ /h	<13kPa	25	332x328x358
XB-2200	380v/50HZ	2200w	36kPa	-24kPa	260m ³ /h	<20kPa	35	345x360x371
XB-4000	380v/50HZ	4000w	40kPa	-26kPa	350m ³ /h	<22kPa	50	434.5x482x440

Steam Generators

Our range of domestic, commercial and heavy duty and robust Oceanic steam generators manufactured using top quality incolloy elements that resist scaling combined with additional electronics for a long trouble free working life. Robust heavy duty elements are Teflon coated.

Advanced Control

Electronic controls with a digital display to enable temperatures of 30°C to 60°C and time duration 15 to 240 minutes or continual operation with additional keys for a steam room light, keyboard lock, manual drain down etc.

On-board Diagnostics

All generators feature an advanced electronic controls with on board diagnostics. The generators are fitted with heating elements that operate sequentially. Thermostatic control via automated switching of the heating elements for gentle control of the room temperature.

Commercial Operation

For commercial use a heavy duty generator is supplied with an autodescale function and the innovative energy saving Steam On Demand function. This feature is excellent for during quieter periods of the day, users inside the room can use this button to activate the generator to produce steam for 30 minutes.

New Automatic Descaling Function

The generator automatically fills itself from a reservoir of dilute acid solution then goes through a cycle of cleaning and rinsing to thoroughly descale itself. For extra hard water areas there is an additional large diameter drain port that allows for access inside the boiler for even the largest remnants of scale.

Auto Drain and Flushing

All generators feature an auto drain down with a self flushing cycle to drain and flush the boiler contents in a controlled manner. Flushing and draining the boiler reduces the build up of damaging lime-scale, cooling the elements before the final drainage helps prolong their useful life.

Aromatherapy

Steam inlet nozzle with facility for crushed herbs and essential oils. Safety features include boil dry protection, thermal overload safety cut out and pressure relief valve.



Domestic



Commercial



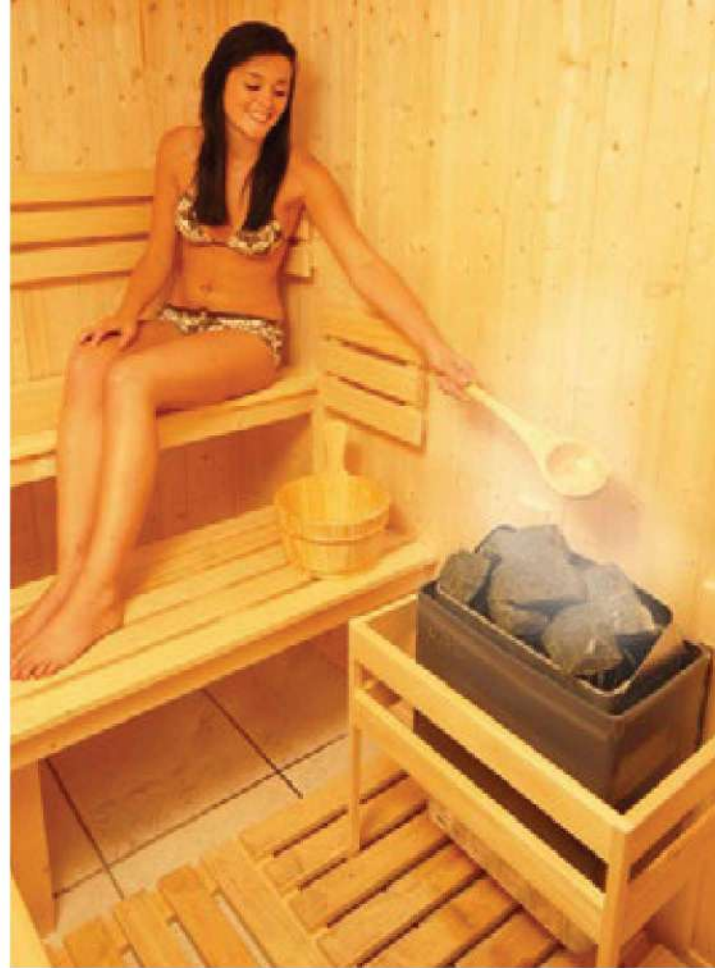
Heavy Duty Commercial

Sauna Heaters

Modern Oceanic sauna heaters with advanced features, digital controls and sequential heating. Suitable for both domestic and commercial applications.

The new range feature stylish brushed stainless steel outer case for an improved appearance and increased durability. For day long operation floor standing heavy duty heaters have large rock capacity for trouble free operation.

Remote controls allow for salon supervision of the cabin temperature.



Built in Control Heater

Our new range of domestic wall hung heaters have digital controls built into the heater for adjusting time and temperature. Only a single power feed is required to the heater for simple straight forward installation.

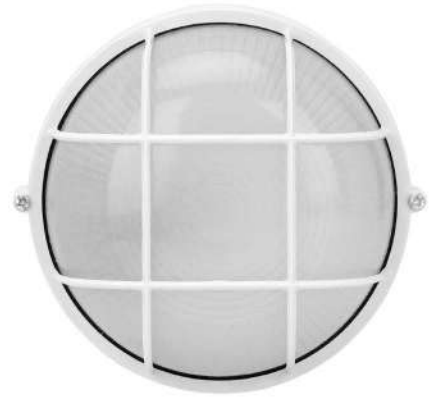
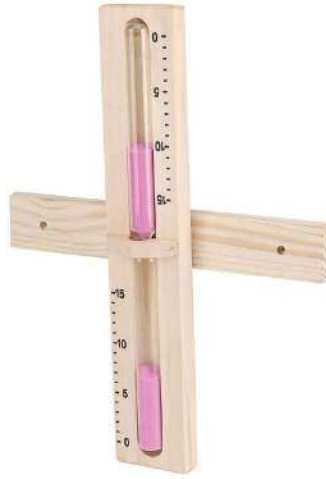


External Controls

The OCSB control system includes a separate control box to house the high power electronics, a keypad which can be located remotely via low voltage cable and a temperature sensor to be fitted inside the cabin. Available from 3kw - 18kw. This system allows users to control the settings without kneeling down to the base of the heater and gives more precise control of the temperature inside the cabin.



Sauna Room Accessories



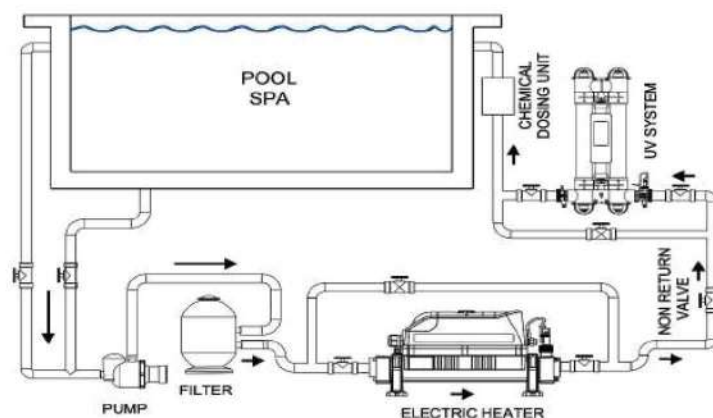
Your global partner in
high quality and strong
innovation since 1974

ELECTRO EVOLUTION 2 ALL TITANIUM ANALOGUE CONTROLLER



ELECR EVOLUTION 2 ALL TITANIUM ANALOGUE CONTROLLER

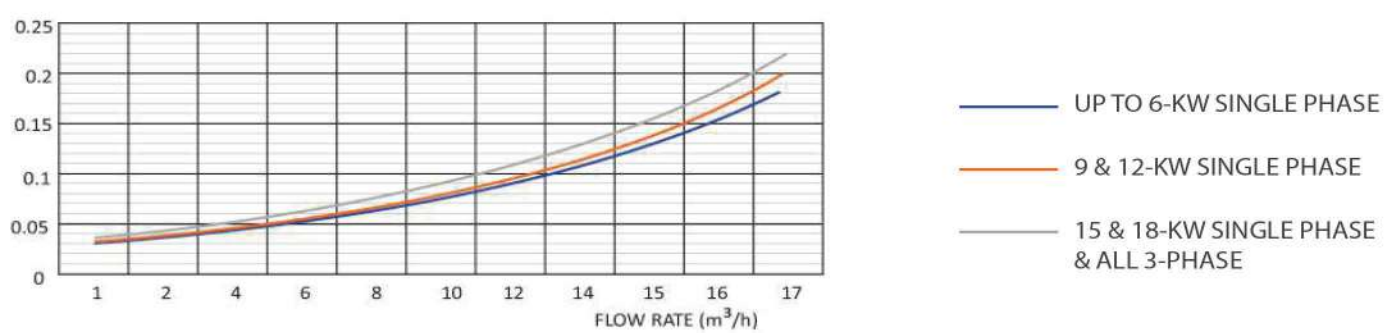
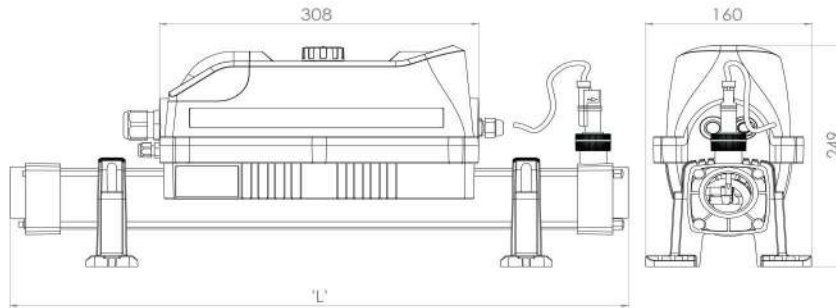
- Ten power options ranging from 1-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control
- With 0.5°C differential and selectable 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



SPECIFICATIONS

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 2 kW to 6 kW, 1m ³ /h / Minimum flow: 9 kW to 24 kW, 4m ³ /h / Maximum flow: 17m ³ /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

Pool Heater



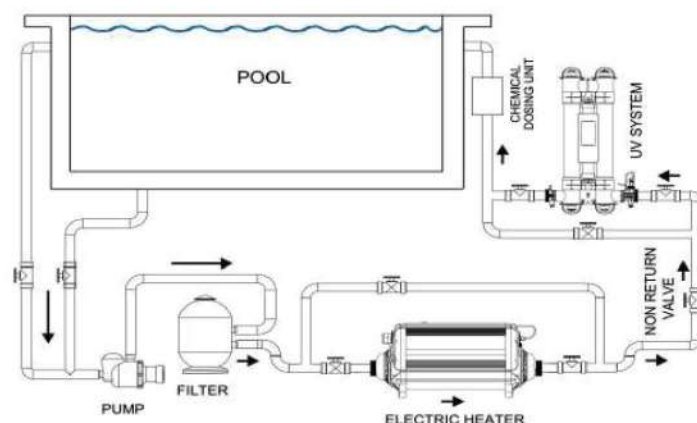
CODE	POWER OUTPUT	CURRENT	LOAD	DIMENSIONS	PACKING	WEIGHT	VOLUME
	kW		Amp	L		kg	m³
E2-1-1	1	220~240V Single phase	6	462	1	5.5	0.059
E2-1-2	2		9	462	1	5.5	0.059
E2-1-3	3		13	462	1	5.5	0.059
E2-1-4	4.5		20	462	1	5.5	0.059
E2-1-6	6		27	462	1	5.5	0.059
E2-1-9	9		40	462	1	5.8	0.059
E2-1-12	12		53	462	1	5.8	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		53/18	592	1	6.6	0.059
E2-3-15	15	400V 3 phase	22	592	1	6.6	0.059
E2-3-18	18		26	592	1	6.6	0.059
E2-3-24	24		35	592	1	6.6	0.059
E2D-1-1	1	220~240V Single phase	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		66	592	1	6.6	0.059
E2D-1-18	18	230~400V Single/3 phase	79	592	1	6.6	0.059
E2D-V-6	6		27/9	592	1	6.6	0.059
E2D-V-9	9		40/13	592	1	6.6	0.059
E2D-V-12	12		53/18	592	1	6.6	0.059
E2D-3-15	15	400V 3 phase	22	592	1	6.6	0.059
E2D-3-18	18		26	592	1	6.6	0.059
E2D-3-24	24		35	592	1	6.6	0.059

Pool Heater

SFS JOEY

ELECO
ENGINEERING

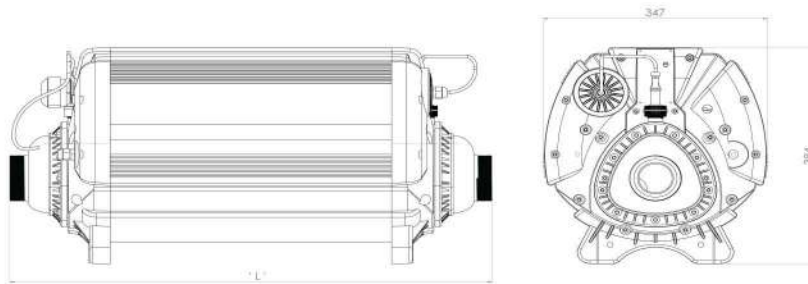
- Various power options ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Fitted with temperature thermostat and overheating sensor
- Compact, durable design
- TAnalogue control with 1.2°C differential or digitalcontrol with
- 0.5°C differential and selectable 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



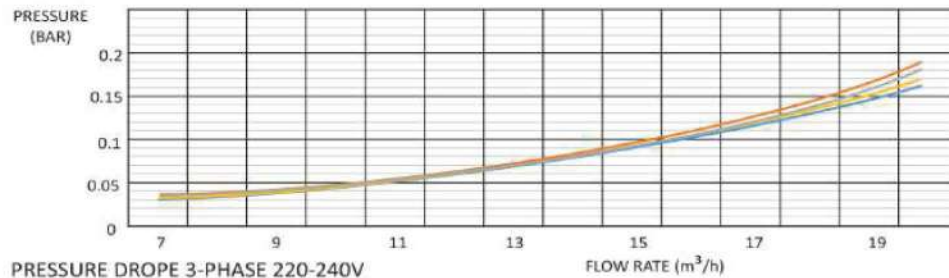
SPECIFICATIONS

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 7m ³ /h / Maximum flow: 15m ³ /h / Recommended flow: 8m ³ /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	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

Pool Heater

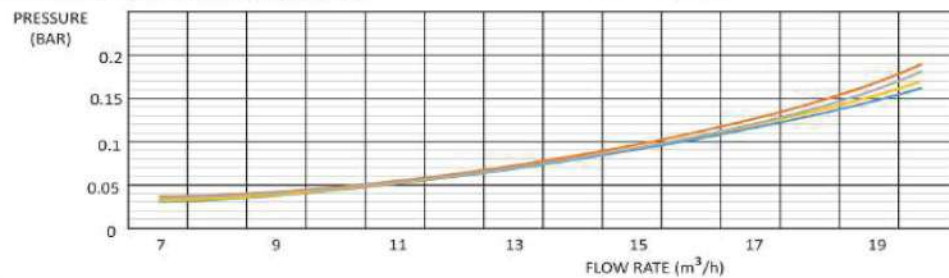


PRESSURE DROPE 3-PHASE 380-415V



— 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

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

Heating / Cooling Pump



Heating / Cooling Pump

GAS TYPE – R410A

			PH-02620-R410A	PH-02625-R410A	PH-02630-R410A
Refrigerant					
Power supply		V/PH/Hz	220/1/50	220/1/50	220/1/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	9.5	12	14
		BTU/h	32414	40944	47768
	Power input	kW	1.7	2.2	2.5
	Current	A	7.9	9.9	4.6
	COP	W/W	5.5	5.5	5.5
YL-H02-Heating: A15/W26°C	Heating capacity	kW	8.1	10.2	11.9
		BTU/h	27552	34802	40603
	Power input	kW	1.8	2.2	2.6
	Current	A	8.0	10.1	4.6
	COP	W/W	4.6	4.6	4.6
YL-C01-Cooling: A35/W30°C	Cooling capacity	kW	7	9.0	10
		BTU/h	23338	29480	34393
	Power input	kW	1.8	2.3	2.7
	Current	A	8.3	10.6	4.7
	EER	W/W	3.75	3.70	3.80
YL-C02-Cooling: A46/W30	Cooling capacity	kW	5.814	7.3	8.6
		BTU/h	19837	25058	29234
	Power input	kW	1.9	2.5	2.8
	Current	A	8.8	11.3	5.0
	EER	W/W	3.00	2.96	3.04
OPERATING	Water outlet temp.range	°C	15-40	15-40	15-40
	Ambient temp.range	°C	0-53	0-53	0-53
HEAT EXCHANGER	Compressor brand		GMCC	GMCC	COMPLAND
	Compressor type		Rotary*1	Scroll*1	Scroll*1
	Controller				
	Noise	dB(A)	51	53	53
KEY	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC
	Standard water flow	m³/h	4.1	5.2	6.0
	Suggested water flow	m³/h	4-6	5-7	6-8
	Water pressure drop(max)	KPa	6	10	11
	Water pipe				
	Water connection	mm	50	50	50
FAN	Position		Verticle	Verticle	Verticle
	Material		Plastic	Plastic	Plastic
	Air flow	m³/h	2000	2600	3500
DIMENSIONS (W x H x D)	Net	mm	688/696/737	688/696/737	746/686/941
	Shipping	mm	736/750/920	736/750/920	795/745/1110
WEIGHT		kg	63/77	70/77	95/110
Loading qty		20/40/40hq	63/144/144	63/144/144	42/96/144

Heating / Cooling Pump

PH-02640-R410A	PH-02650-R410A	PH-02660-R410A	PH-02670-R410A	PH-02700-R410A	PH-02710-R410A	PH-02712-R410A
380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
17	21	25	31	35	40	45
58004	71652	85300	105772	119420	136480	153540
3.1	3.8	4.6	5.7	6.4	7.3	8.2
5.5	6.8	8.1	10.3	11.4	13.0	14.6
5.5	5.5	5.5	5.4	5.5	5.5	5.5
14.5	17.9	21.3	26.4	29.8	34.0	38.3
49303	60904	72505	89906	101507	116008	130509
3.2	3.9	4.6	5.9	6.5	7.4	8.3
5.6	6.9	8.3	10.5	11.6	13.3	14.9
4.6	4.6	4.6	4.5	4.6	4.6	4.6
12	15	18	22	25	29	32
41763	51589	61416	76156	85982	98266	110549
3.2	4.0	4.7	5.9	6.5	7.5	8.4
5.8	7.2	8.5	10.5	11.7	13.4	15.0
3.80	3.76	3.80	3.80	3.85	3.85	3.85
10.4	12.9	15.3	19.0	21.4	24.5	27.5
35498	43851	52204	64732	73085	83526	93966
3.4	4.3	5.0	6.3	7.0	7.9	8.9
6.1	7.6	9.0	11.2	12.4	14.2	16.0
3.04	3.01	3.04	3.04	3.08	3.08	3.08
15-40	15-40	15-40	15-40	15-40	15-40	5-40
0-53	0-53	0-53	0-53	0-53	0-53	0-53
COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND
Scroll*1	Scroll*1	Scroll*1	Scroll*1	Scroll*1	Scroll*2	Scroll*2
53	54	55	55	58	59	59
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
7.3	9.0	10.7	13.3	15.0	17.2	19.3
7-9	9-12	10-14	12-17	15-20	17-23	19-26
12	12	12	12	15	15	15
					PPR or PVC	PPR or PVC
50	50	50	63	63	63	63
Verticle	Verticle	Verticle	Verticle	Verticle	Verticle	Verticle
Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
3500	5500	5500	5500	7500	9000	10000
746/686/91	746/686/941	746/686/941	810/810/1079	860/860/1277	1453/708/1084	1453/708/1084
795/745/1110	795/745/1110	795/745/110	915/860/1230	910/910/1435	1520/780/1235	1525/780/1235
105/115	106/120	145/155	150/160	203/210	250/270	265/285
42/96/144	42/96/144	42/196/144	42/90/90		10/22/44	10/22/44

Heating / Cooling Pump

GAS TYPE – R410A

			PH-02713-R410A	PH-02714-R410A	PH-02715-R410A	PH-02720-R410A
Refrigerant						
Power supply		V/PH/Hz	380/3/50	380/3/50	380/3/50	380/3/50
YL-H01-Heating: A24/W26°C	Heating capacity	kW	55	65	80	100
		BTU/h	187660	221780	272960	341200
	Power input	kW	10.0	11.8	14.5	18.2
	Current	A	17.9	21.1	26.0	32.5
	COP	W/W	5.5	5.5	5.5	5.5
YL-H02-Heating: A15/W26°C	Heating capacity	kW	46.8	55.3	68.0	85.0
		BTU/h	159511	188513	232016	290020
	Power input	kW	10.2	12.1	15.1	18.5
	Current	A	18.2	21.5	27.0	33.2
	COP	W/W	4.6	4.6	4.5	4.6
YL-C01-Cooling: A35/W30°C	Cooling capacity	kW	40	47	61	72
		BTU/h	135115	159682	208132	245664
	Power input	kW	10.4	12.3	16.1	19.3
	Current	A	18.6	22.0	28.7	34.4
	EER	W/W	3.80	3.80	3.80	3.74
YL-C02-Cooling: A46/W30	Cooling capacity	kW	33.7	39.8	51.9	61.2
		BTU/h	114848	135729	179812	208814
	Power input	kW	11.1	13.1	17.1	20.5
	Current	A	19.8	23.4	30.5	36.6
	EER	W/W	3.04	3.04	3.04	2.99
OPERATING	Water outlet temp.range	°C	5-40	15-40	15-40	15-40
	Ambient temp.range	°C	0-53	0-53	0-53	0-53
HEAT EXCHANGER	Compressor brand		COMPLAND	COMPLAND	COMPLAND	COMPLAND
	Compressor type		Scroll*2	Scroll*3	Scroll*3	Scroll*4
	Controller					
	Noise	dB(A)	59	62	62	62
KEY	Type		Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
	Standard water flow	m³/h	23.6	27.9	35.3	43.0
	Suggested water flow	m³/h	23.6-29	27.9-37	35-46	45-60
	Water pressure drop(max)	KPa	16	18	20	20
	Water pipe		PPR or PVC	PPR or PVC	PPR or PVC	
	Water connection	mm	63	63	63	110
FAN	Position		Verticle	Verticle	Verticle	Verticle
	Material		Plastic	Plastic	Plastic	Plastic
	Air flow	m³/h	13000	15000	18000	22000
DIMENSIONS (W x H x D)	Net	mm	1453/708/1284	2149/764/1306	2149/764/1306	1700/1476/1392
	Shipping	mm	1520/780/1453	2215/815/1455	2225/815/1455	1795/1545/1550
WEIGHT		kg	285/310	400/440	510/570	580/620
Loading qty		20/40/40hq	10/22/22	7/14/14	7/14/14	7/14/14

Heating / Cooling Pump

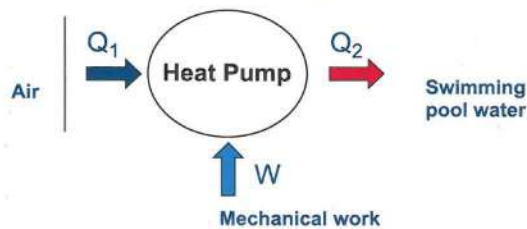
PH-02730-R410A	PH-02740-R410A	PH-02750-R410A	PH-02760-R410A	PH-02765-R410A	PH-02770-R410A	PH-02780-R410A
380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
135	160	180	220	235	250	350
460620	545920	614160	750640	801820	853000	1194200
24.5	29.1	32.7	40.0	42.7	45.5	63.6
43.9	52.0	58.5	71.5	76.4	81.3	113.8
5.5	5.5	5.5	5.5	5.5	5.5	5.5
114.8	136.0	153.0	187.0	199.8	212.5	297.5
391527	464032	522036	638044	681547	725050	1015070
24.9	29.7	33.4	41.6	43.6	46.4	64.9
44.8	53.1	59.7	74.3	77.9	82.9	116.0
4.6	4.6	4.6	4.5	4.6	4.6	4.6
97	115	130	154	169	180	252
331646	393062	442195	525448	557310	614160	859824
25.9	30.9	34.6	40.5	44.5	47.4	66.3
46.4	55.2	61.8	72.4	79.6	84.7	118.5
3.74	3.73	3.75	3.80	3.80	3.80	3.80
82.6	97.9	110.2	130.9	143.8	153.0	214.2
281899	334103	375866	446631	490714	522036	730850
27.6	32.8	36.7	43.1	47.3	50.3	70.5
49.3	58.7	3.00	77.0	84.6	90.0	125.9
2.99	2.98	3.00	3.04	3.04	3.04	3.04
15-40	15-40	15-40	15-40	15-40	15-40	15-40
0-53	0-53	0-53	0-53	0-53	0-53	0-53
COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND	COMPLAND
Scroll*5	Scroll*6 or 3	Scroll*7 or 3	Scroll*8 or 4	Scroll*10 or 4	Scroll*10 or 4	Scroll*10 or 4
62	65	65	65	65	68	68
Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC	Titanium /PVC
58.0	68.8	77.4	94.6	101.0	107.5	150.5
58-65	68.91	77-103	90-120	101-125	107-143	150-160
22	23	24	25	25	26	28
			PPR or PVC	PPR or PVC	PVC	PVC
110	110	110	110	110	160	160
Verticle	Verticle	Verticle	Verticle	Verticle	Verticle	Verticle
Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
33000	33000	39000	44000	44000	60000	77000
2185/1767/1388	2185/1767/1388	2185/1767/1532	2185/1765/1532	2185/1767/1532	2188/2188/2236	3281/2188/2236
2235/1820/1550	2235/1820/1550	2235/1820/1695	2235/1820/1695	2235/1820/1695	2240/2240/2400	3335/2240/2400
820/870	928/960	1180/1230	1044/1080	1276/1320	1420/1470	2050/2180
3/6/6	3/6/6	3/6/6	3/6/6	2/5/5	2/5/5	2/5/5

Heating / Cooling Pump

SPECIFICATION	AHP020 U-R4	AHP030 U-R4	AHP050 SU-R4	AHP060 SU-R4	AHP100SU-R4	AHP130SU-R4	AHP200SU-R4	AHP250SU-R4	AHP500SU-R4
COOLING CAPACITY KW	7.0 KW	8.8 KW	14.5 KW	17.0 KW	30.0 KW	38.0 KW	58.0 KW	72.0 KW	150.0 KW
COOLING CAPACITY BTU/h	24000	30000	49500	59500	102000	130000	198000	245000	510000
COOLING POWER INPUT KW	2.3	2.85	5.1	5.8	9.5	10.3	19.5	21.6	52.1
HEATING CAPACITY KW	8.8 KW	13.0 KW	21.0 KW	25.0 KW	45.0 KW	55.0 KW	82.0 KW	108.0 KW	210.0 KW
HEATING CAPACITY BTU/h	30000	44000	72000	86000	150000	187000	280000	360000	714000
HEATING POWER INPUT KW	1.8	2.65	4.3	5	9	10.8	20	22.4	44.8
RUNNING CURRENT AMPERE	10.5/8.2	14.3/13.6	8.2/7.3	10.3/8.9	16.4/15.7	16.8/17.5	34.2/35	37.9/38.3	92.8/79.8
POWER SUPPLY V/PHASE/HZ	230V~/50Hz	230V~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
COMPRESSOR TYPE	Rotary	Rotary	Scroll	Scroll	scroll	scroll	scroll	scroll	scroll
COMPRESSOR QUANTITY Nos.	1	1	1	1	2	2	3	4	4
FAN QUANTITY Nos.	1	1	1	2	2	2	3	3	2
FAN POWER INPUT WATTS	120	200	200	120X2	200X2	200X2	200X3	200X3	2000X2
FAN SPEED RPM	830	830	830	850	830	830	830	830	920
FAN DIRECTION	vertical	vertical	vertical	vertical	vertical	vertical	vertical	vertical	vertical
NOISE d B(A)	51	58	58	56	61	61	65	66	67
WATER CONNECTION mm	50	50	50	50	63	63	63	110	110
WATER FLOW VOLUME m3/hr	2	3	5	6	10	13	20	25	50
WATER PRESSURE DROP kPa	10	10	12	12	10	13	20	25	24
COP	4.89	4.91	4.88	5.00	5.00	5.09	4.10	4.82	4.69
EER	3.04	3.09	2.84	2.93	3.16	3.69	2.97	3.33	2.88
UNIT DIMENSION(L/W/H) mm	539×580×730	700×743×830	660×660×880	1440×562×860	1448×750×1280	1448×750×1280	2150×764×1310	2170×1065×1930	2180×1080×2060
WEIGHT Kg	62kg	82kg	106kg	128kg	240kg	240kg	385kg	695kg	960kg

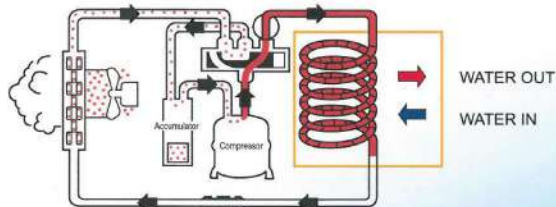
Air-Water heat pump

Theoretical Diagram



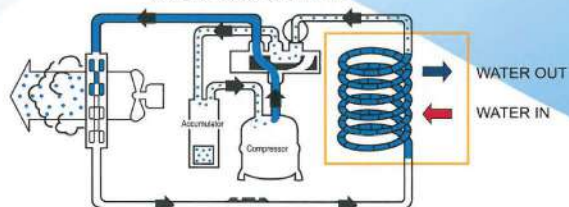
Flow Diagram

HEATING CYCLE



Flow Diagram

COOLING CYCLE



CHEMICAL DOSING EQUIPMENT

A-POOL TOP+

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 AE START+ PH-CL(J) with 2 measure
- N.2 HC151+ PIMA (M70) adjustable on 3 models
- Modular probe holder for pH probes + pH electrode
- Chlorine cell (Pt-Cu) complete with flow sensor and flow regulator (only for model A)
- Amperometric membrane probe for free chlorine, output signal in mV (only for model B)
- Temperature probe
- pH Buffer solutions
- 2 level probes
- 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 SIZE: (LXHXW)

660 x 800 x 250 mm



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

A-POOL SYSTEM PH-RX

CODE	TYPE	PROBE	SIGNAL	PUMP TYPE	WATT	TUBE	PACKING	WEIGHT	VOLUME
								kg	m³
ADPT+050	PH-RX	PH-RX	-	M70	35	4 x 6	1	10	0.1
ADPT+060	PH-RX	PH-RX	-	M80	35	4 x 6	1	10	0.1
ADPT+100	PH-CL	PH-Cu	mV	M70	35	4 x 6	1	10	0.1
ADPT+110	PH-CL	PH-C	mV	M80					
ADPT+200	PH-CL(J)	a membrana	mV(*)	M70					
ADPT+210	PH-CL(J)	a membrana	mV(*)	M80					

INSTALLATION KIT

4mt

CODE	POWER	
KITPDE503	Installation kit A-POOL TOP + PH-CL	x2 x2 x4 x4 x2 x2
KITPDE504	Installation kit A-POOL TOP + mod. B	x2 x2 x4 x4 x2 x2
KITPDE515	Installation kit A-POOL TOP + mod. PH-RX	x2 x2 x4 x4 x2 x2

CHEMICAL DOSING EQUIPMENT

CODE	MODEL	SEALING	HEIGHTS	CONNECTOR	CONNECTIONS	TANKS
ADLASM10BO	Suction lance	GL-VT	115-600	BNC	4X6	60-100 L
ADLASM30BO	Suction lance	GL-VT	115-840	BNC	4X6	200-300 L



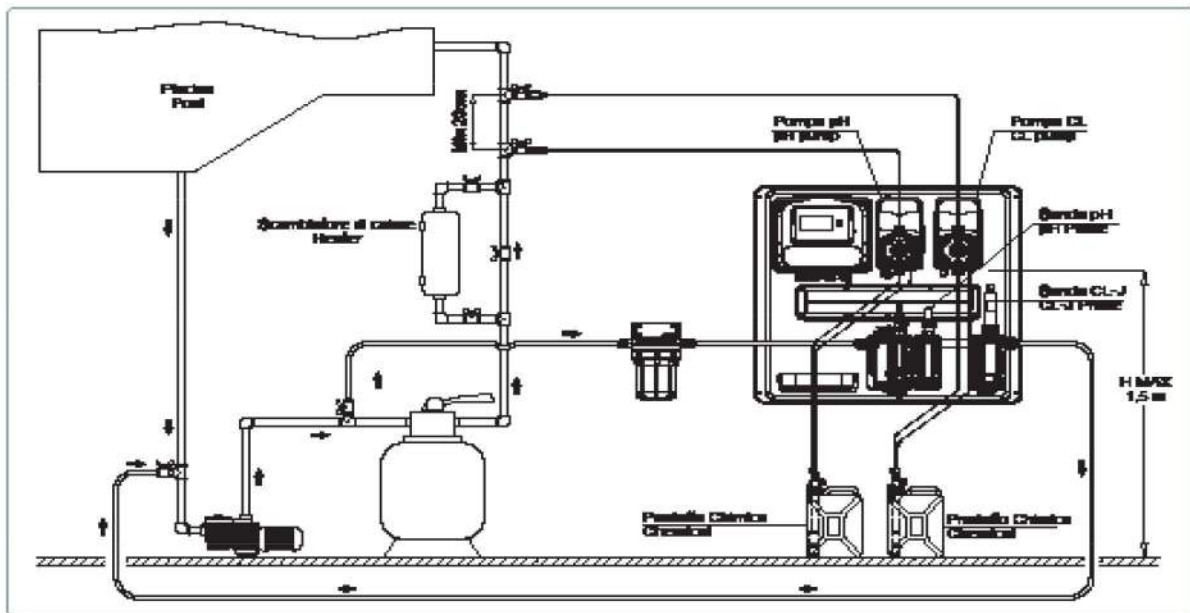
CODE	MODEL	SIZE (Ø X H)	VOLUME (L/H)
ADTANK010	PE tank	500 x 680	100 L
ADTANK020	PE tank	620 X 800	200 L
ADTANK030	PE tank	710 X 890	200 L



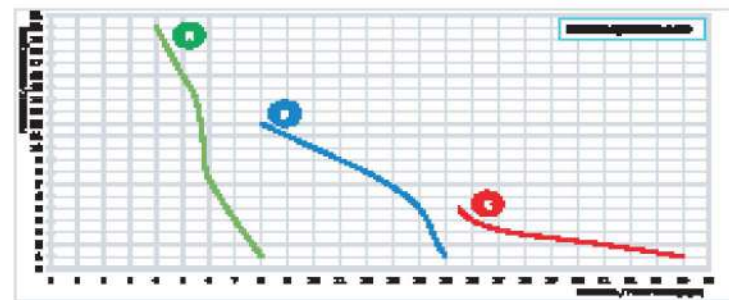
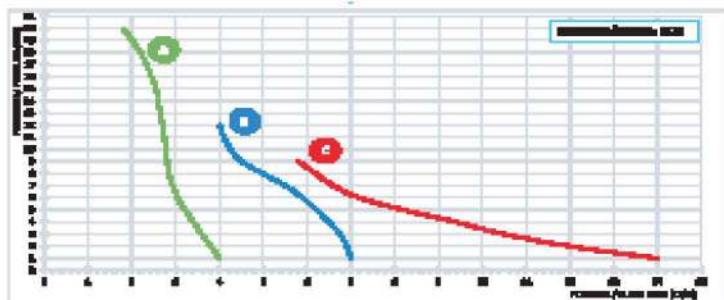
CODE	MODEL	
ADSP7000790	FLOW METER kit	0-100 l/h
ADSP7000791	FLOW METER kit + pressure reducer	0.5 BAR



A-POOL SYSTEM PH-RX



FLOW-PRESSURE CURVES



The above datas are referring to tests made with water at room temperature.

DOSING SYSTEMS Solenoid Driven Dosing Pumps

HC 100

Technical Data Sheet HC1 series



KEY FEATURES

- ☒ Stroke Frequency control 0-100% & 0-20%
- ☒ PTFE Diaphragm
- ☒ On-Off dosing control
- ☒ 2 LED display status
- ☒ Analogue Controls
- ☒ Economically Priced
- ☒ On-Off power switch
- ☒ Double ball valves as standard
- ☒ Lip valves on request
- ☒ Dosing Head with integral priming valve
- ☒ Wall Mount with bracket & fixing kit
- ☒ Reinforced Plastic PP housing
- ☒ Supplied complete with hose accessory kit

The **HC100** is a solenoid driven dosing pump, diaphragm actuated, for standard duties where a constant dosing operation with a reliable performance is required. Designed for either continuous or intermittent operation, they are a reliable means of conveying strong chemicals under precise control into water treatment and process systems. They operate on the well proven principle of electromagnetic drive, with electronic frequency control. Their frequency (stroking speed) is adjustable in 2 speed ranges selectable via a two position switch which is also mounted on the fascia.

PUMP CONTROL MODE

Constant mode: The pump flow rate is adjusted via a stroke frequency control knob and will constantly deliver according to the flow rate selected.

Double scale adjustment: for accurate control of low output: pump pulses reduction from 0-100% to 0-20%

LIQUID END MATERIAL HC100 SERIES

	Standard Version	Upon request
Pump head	PP	PVDF
Diaphragm	PTFE	-----
Valve balls	Glass Pyrex	AISI 316 – PTFE - CERAMIC
Valve cartridge	PP	PVDF
Spring loaded injection valve:	Hastelloy/Pyrex	Hastelloy/AISI316 - PTFE
Seals/O-rings	Viton ☒	Dutrac ☒ - NBR
Spring Loaded Injection Fitting	Hastelloy/Pyrex	Hastelloy (AISI 316 – PTFE - CERAMIC)
Injection Fitting	PP	PVDF
Foot Valve Strainer	PP	PVDF
Suction Hose /Air Bleed hose	PVC	PVDF
Discharge Hose	PE	PVDF
Upon request: Lip type valve	Viton ☒	Dutrac ☒ - NBR
Injection Sleeve-Non return Valve	Viton ☒	Dutrac ☒ - NBR

Viton ☒ : FPM / Dutrac ☒ : EPDM, are registered trademarks of Dupont Elastomers

NanoTech UV-C

With Amalgam Lamps and Flow Switch

Operating between low and medium pressure UV applications, NanoTech amalgam achieves a high relative power density operating in a broad temperature range.

The amalgam version includes a flow switch which will cut-off the lamp power to protect the system from over-heating when the water flow is lower than required.

Due to a special coating technology, NanoTech guarantees a continued performance of 85% after 12,000 hours operating in a broad temperature range. A timer version is available as an option.

Main Applications

- 1) Drinking water system
- 2) Waste water system
- 3) Process water treatment unit
- 4) Swimming pool & spa



Note : 'F' stands for Flowswitch, 'T' stands for Timer

Code 230V	Code 120V	Model	Max Flow Rate (m³/h)	Pool Vol (m³)	Input Power	Maximum Pressure	Connections	Electric Ballast	Maximum Current (A)	UV Lamp lifetime (hr.)
88049029	88049129	NT-UV130F	30	130	130W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC; 50-60Hz	1.1	12000
88049030	88049130	NT-UV130TF	30	130	130W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC; 50-60Hz	1.1	12000

Salt Chlorinator

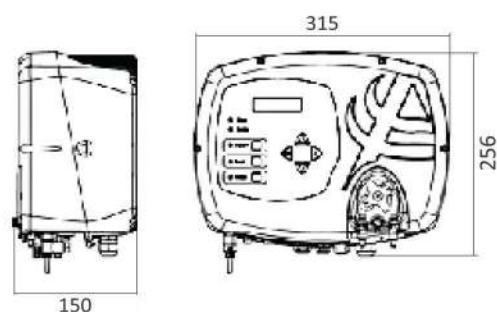
1- AQUA SALT *NEW FEATURES!*

"AQUA SALT" SALT CHLORINATOR

- For public and private pools
- Aqua salt control unit available in 4 versions:
 - 1. Standard model:** internal/external time-controlled;
 - 2. Model pH:** same as standard model with additional control and dosing of acid/alkaline pH corrector/ via peristaltic pump;
 - 3. Model pH-Rx:** same as model pH with additional Rx reading for modulation of Cell chlorine generation;
 - 4. Model pH-ClJ:** (mounted on a thermoformed panel): same as model pH with additional Cl reading (PPM) for modulation of Cell chlorine generation.

TECHNICAL FEATURES:

- Compatible with all sizes of electrolytic cells ADCEL
- IP65 protection
- Max working temperature 40°C
- Max chlorine production: 40 g/h**
- Swimming pool dimension (Max)200mc*
- Double safety on the presence of flow
- Language selection
- Pump feeding for salt concentration restoring
- Cell cleaning through polarity inversion
- Control of real use and maintenance alarms
- Approximate Salt level calculation with range alarms
- Additional timer for circulating pump
- Software for Windows-based management free for all models (RS232 port standard for all models)
- Power supply: 180÷260 Max consumption: 300 W
- Cell power supply: 24VDC 10 A
- Available upon request 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
- Package size (LxHxW): 405x200x311 mm

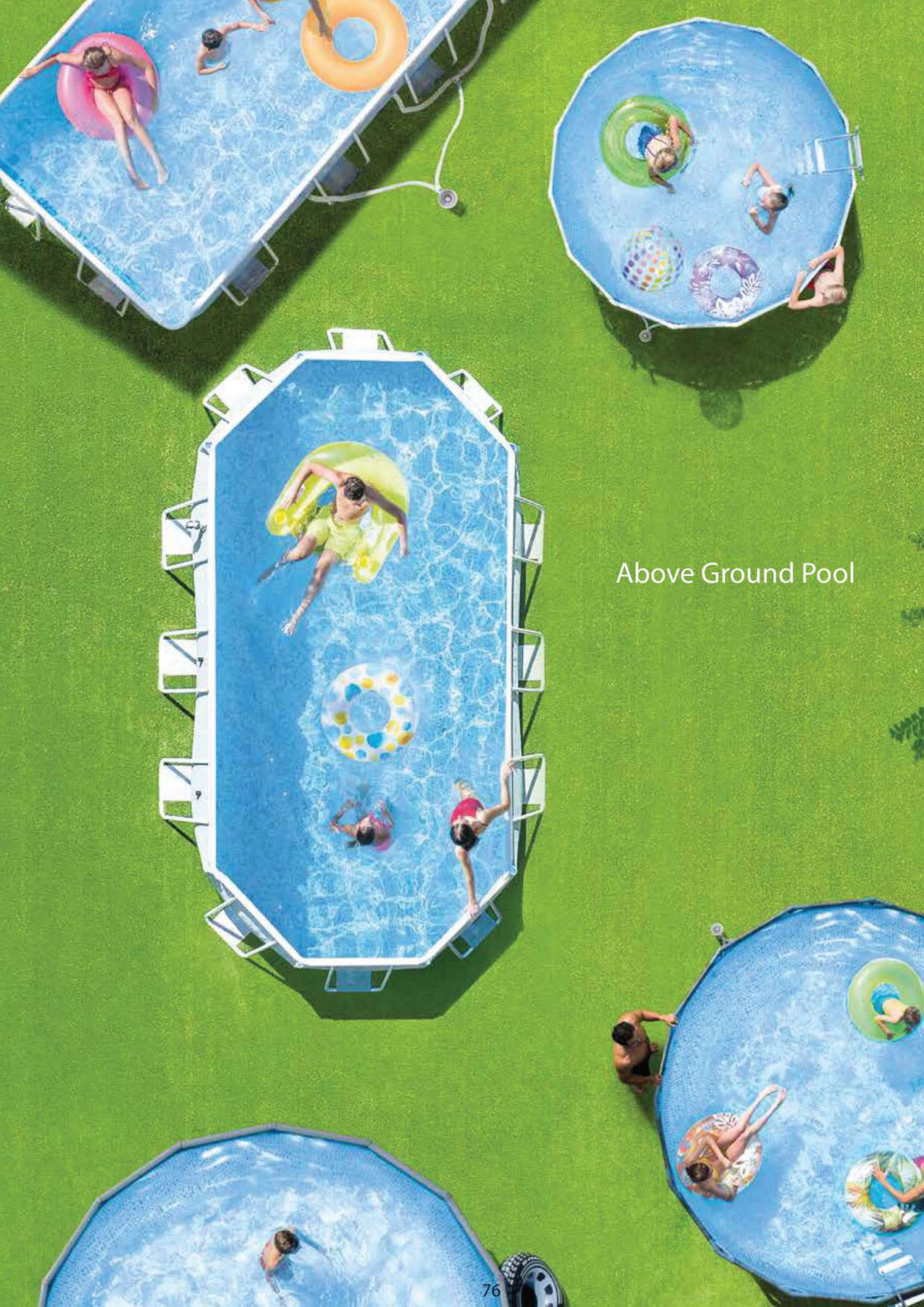


CODE	MODEL	SUITABLE FOR ADCEL	PERISTALTIC PH PUMP ACID/ALKALINE	PACKING	WEIGHT kg	VOLUME m³
ADSAL110	AQUA SALT STANDARD	50-100-150-200	-	1	3.4	0.025
ADSAL210	AQUA SALT PH	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025
ADSAL310	AQUA SALT PH-RX	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025
ADSAL410*	AQUA SALT PH-ClJ	50-100-150-200	1.4 lt/h - 1 BAR	1	3.4	0.025

* Assembled on panel

* 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



Above Ground Pool

Above Ground Pool

STANDARD



SMALL FRAME™



EASY SET®



METAL FRAME™

PREMIUM



PRISM FRAME™



CHEVRON PRISM FRAME™



GRAPHITE GRAY PANEL™

DELUXE



ULTRA XTR® FRAME

PUMPS

Krystal Clear®
POOLWATER
SYSTEMS



OTHERS

ACCESSORIES



Inflatable Pool





58330NP/EP
58331NP/EP

58330NP/EP
58331NP/EP
EXPLORER™ 200
EXPLORER™ 200 SET

6'1" x 3'1" x 1'4"
(185cm x 94cm x 41cm)
INFLATED

210 lb (95 kg)

6'11" x 3'10" x 1'4"
(211cm x 117cm x 41cm)
INFLATED

410 lb (186 kg)

58331NP/EP, 58332NP/EP



68370NP/EP
68367NP/EP

68367NP/EP
CHALLENGER™ 2 SET

7'9" x 3'9" x 1'4"
(236cm x 114cm x 41cm)
INFLATED

440 lb (200 kg)

68370NP/EP
CHALLENGER™ 3 SET

9'8" x 4'6" x 1'5"
(295cm x 137cm x 43cm)
INFLATED

704 lb (320 kg)



68347NP/EP
68380NP/EP
68351NP/EP

68347NP/EP
SEAHAWK™ 2 Set

7'9" x 3'9" x 1'4"
(236cm x 114cm x 41cm)
INFLATED

520 lb (240 kg)

68380NP/EP
SEAHAWK™ 3 Set

9'8" x 4'6" x 1'5"
(295cm x 137cm x 43cm)
INFLATED

790 lb (360 kg)

68351NP/EP
SEAHAWK™ 4 Set

11'6" x 4'9" x 1'7"
(351cm x 145cm x 48cm)
INFLATED

1,050 lb (480 kg)



68324NP/EP
68325NP/EP

68324NP/EP
EXCURSION™ 4 SET

10'4" x 5'5" x 1'5"
(315cm x 165cm x 43cm)
INFLATED

1,100 lb (500 kg)

68325NP/EP
EXCURSION™ 5 SET

12' x 5'6" x 1'5"
(366cm x 168cm x 43cm)
INFLATED

1,320 lb (600 kg)



Boats & Kayaks

Boats & Kayaks



68305NP/EP 68306NP/EP

68305NP/EP
CHALLENGER™ K1

68306NP/EP
CHALLENGER™ K2

9' x 2'6" x 1'1"
(274cm x 76cm x 33cm)
INFLATED

11'6" x 2'6" x 1'3"
(351cm x 76cm x 38cm)
INFLATED

220 lb (100 kg)

400 lb (180 kg)



1 PADDLE



2 PADDLES



1 PUMP



CERTIFIED



68381NP/EP
BIG CATCH PRO™ FISHING TUBE

5'5" x 3'11" x 1'3"
(165cm x 119cm x 38cm)
INFLATED

308 lb (140 kg)



1 PUMP



2 PADDLES



CERTIFIED



68303NP/EP

68309NP/EP

68303NP/EP
EXCURSION™ PRO K1

68309NP/EP
EXCURSION™ PRO K2

10' x 3' x 1'6"
(305cm x 91cm x 46cm)
INFLATED

12'7" x 3'1" x 1'6"
(384cm x 94cm x 46cm)
INFLATED

220 lb (100 kg)

400 lb (180 kg)



1 PADDLE



2 PADDLES



1 PUMP



CERTIFIED



68307NP/EP
EXPLORER™ K2

10'3" x 3' x 1'8"
(312cm x 91cm x 51cm)
INFLATED

400 lb (180 kg)



1 PUMP



2 PADDLES



CERTIFIED



68373NP/EP

68376NP/EP

68373NP/EP
MARINER™ 3 SET

68376NP/EP
MARINER™ 4 SET

9'9" x 4'2" x 1'6"
(297cm x 127cm x 46cm)
INFLATED

10'9" x 4'9" x 1'7"
(328cm x 145cm x 48cm)
INFLATED

880 lb (400 kg)

1,100 lb (500 kg)



1 PUMP



2 PADDLES



CERTIFIED

Air Bed



Air Furniture



Air Furniture



Electric Pumps

QUICKFILL™ USB150 AIR PUMP 66616/E

- Powered by 5V USB-A power source rated 2A and higher
- Inflates and deflates
- Lightweight and portable
- 2 interconnecting nozzles
- CE approved
- Shelf box



QUICKFILL™ USB200R RECHARGEABLE AIR PUMP 66637/E

- 5V 2AH Ni-MH
- Inflates and deflates
- Type A supports power bank, charging phone, USB lights etc
- Lightweight and portable
- 2 interconnecting nozzles
- CE approved
- Shelf box



QUICKFILL™ BATTERY PUMP 66638/E

- Operates on 6 C-cell size batteries
- 3 interconnecting nozzles
- CE approved
- Shelf box



QUICKFILL™ AC/DC ELECTRIC PUMP 66633E/66634

- 3 interconnecting nozzles
- 12V DC & AC power adapter for easy outdoor and indoor use
- MET approved (110-120V)
- CE approved (220-240V)
- Shelf box



QUICKFILL™ AC400 ELECTRIC PUMP 66645E/66646

- Inflates and deflates
- Thermo protector incorporated for safety
- Lower noise level
- 2 interconnecting nozzles
- MET approved (110-120V)
- GS, CE approved (220-240V)
- Shelf box



QUICKFILL™ AC ELECTRIC PUMP 66639E/66640

- 3 interconnecting nozzles
- Inflates and deflates
- Increased air flow and pressure with reduced power consumption
- Thermo protector incorporated for safety
- TUV approved (110-120V)
- GS, CE approved (220-240V)
- Shelf box



Electric Pumps

QUICKFILL™ DC ELECTRIC PUMP

66636/E

- 3 interconnecting nozzles
- Plug into 12V DC automobile cigarette lighter or 12V DC accessory outlet
- MET approved
- CE approved
- Shelf box



QUICKFILL™ AC ELECTRIC PUMP

66643E/66644

- 3 interconnecting nozzles with hose
- Thermo protector incorporated for safety
- New shape with easy carry handle
- TUV approved (110-120V model)
- GS, CE approved (220-240V model)
- Shelf box



QUICKFILL™ HIGH PSI INDOOR/OUTDOOR ELECTRIC PUMP

68608E/68609

- For both indoor and outdoor use plugs into cigarette lighter or household electrical outlet
- 3 interconnecting nozzles with hose
- Inflates and deflates
- 2-speed switch
- Inflates athletic balls up to 12 psi
- Increased air flow with reduced power consumption
- Detachable DC cigarette cord
- MET approved (110-120V)
- GS, CE approved (220-240V)
- Shelf box



QUICKFILL™ DC ELECTRIC PUMP

66641E/66642

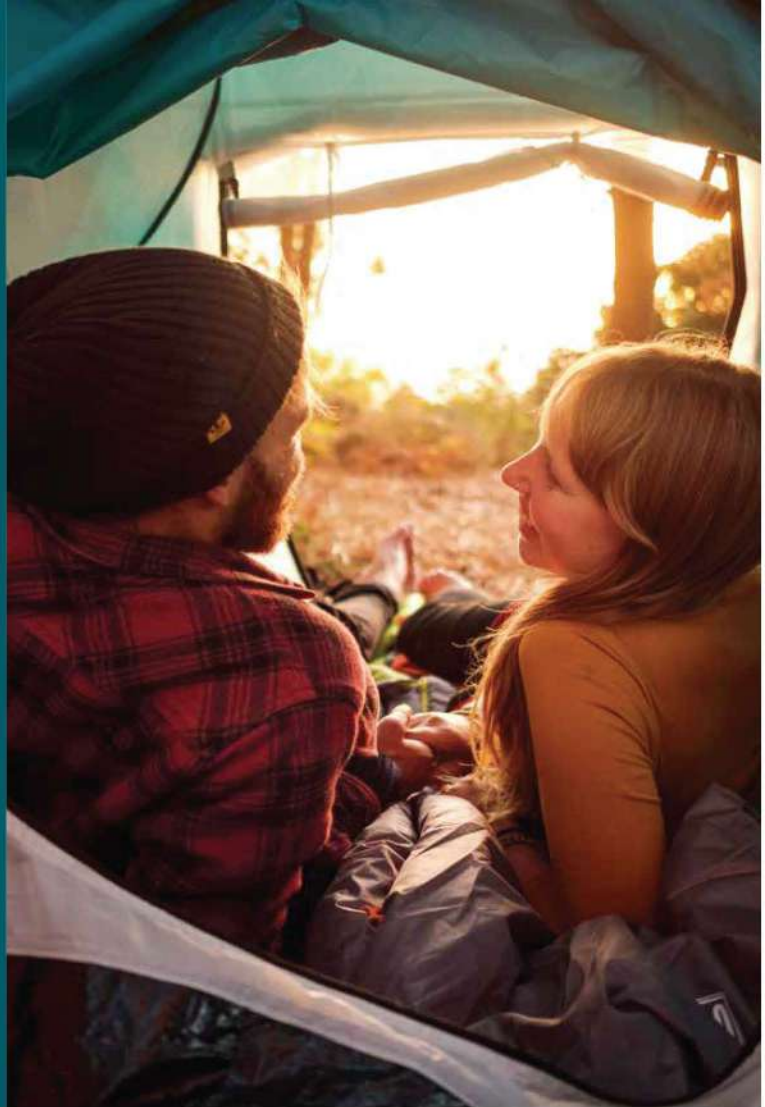
- 3 interconnecting nozzles
- A 12V DC power adapter for vehicle charging and a household AC power adapter for home charging
- 12V DC to inflate and deflate while recharging
- Automatic over-charge cut off for safety protection
- New shape with easy carry handle
- Built-in Battery charging indicator
- MET approved (110-120V)
- CE approved (220-240V)
- Shelf box



TENTS

ADVENTURE
FREEDOM
NATURE
COMFORT

Getting the right gear for any outdoor excursion is a must, and it begins with a solid, reliable tent to keep you dry and warm. Paired with a high-performance sleeping bag and camping accessories, you will feel right at home wherever you are.



Tents



FEATURES:

- single layer
- 1 entrance/exit
- setup time: 8 min.

SPECIFICATIONS:

- fabric: 190T polyester PU coated
- water column: 600 mm
- ground protection: 110 g/m² PE
- poles: fiberglass - 6.9 mm (0.27")

PACKAGING:

- carry bag with hangtag & display
- pcs. / display: 12
- pack weight (kg/lbs): 20.5 / 45.19
- contents: 1 tent, 1 carry bag, 8 pegs



FEATURES:

- single layer
- 1 entrance and 1 air vent
- setup time: 8 min.

SPECIFICATIONS:

- fabric: 190T polyester PU coated
- water column: 600 mm
- ground protection: 110 g/m² PE
- poles: fiberglass - 7.9 mm (0.31")

PACKAGING:

- carry bag with hangtag & display
- pcs. / display: 8
- pack weight (kg/lbs): 19.67 / 43.36
- contents: 1 tent, 1 carry bag, 8 pegs



FEATURES:

- single layer
- 1 entrance and 1 air vent
- setup time: 8 min.

SPECIFICATIONS:

- fabric: 190T polyester PU coated
- water column: 600 mm
- ground protection: 110 g/m² PE
- poles: fiberglass - 7.9 mm (0.31")

PACKAGING:

- carry bag with hangtag & display
- pcs. / display: 6
- pack weight (kg/lbs): 17.27 / 38.07
- contents: 1 tent, 1 carry bag, 8 pegs



Tents



FEATURES:

- single layer
- 1 entrance and 2 side windows
- setup time: 3 min.

SPECIFICATIONS:

- fabric: 190T polyester PU coated
- water column: 2000 mm
- ground protection: 120 g/m² PE
- poles: fiberglass - 6.0 mm (0.24")

PACKAGING:

- carry bag with hangtag & display
- pcs. / display: 12
- pack weight (kg/lbs): 35.57 / 78.42
- contents: 1 tent, 1 carry bag, 8 pegs



FEATURES:

- single layer
- 1 entrance and 2 side windows
- setup time: 3 min.

SPECIFICATIONS:

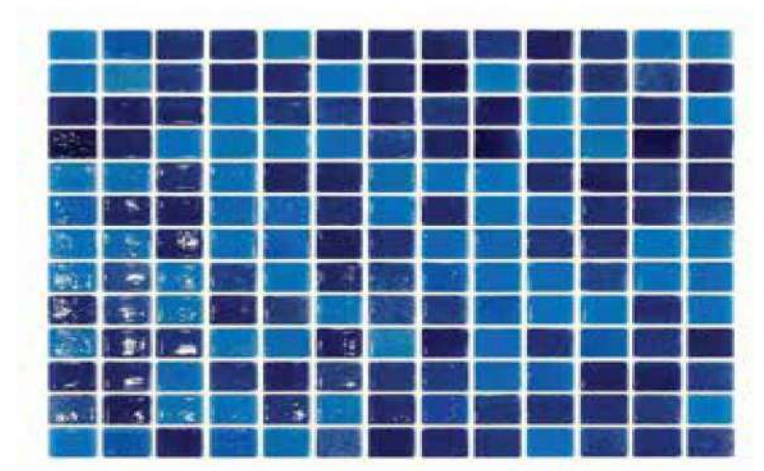
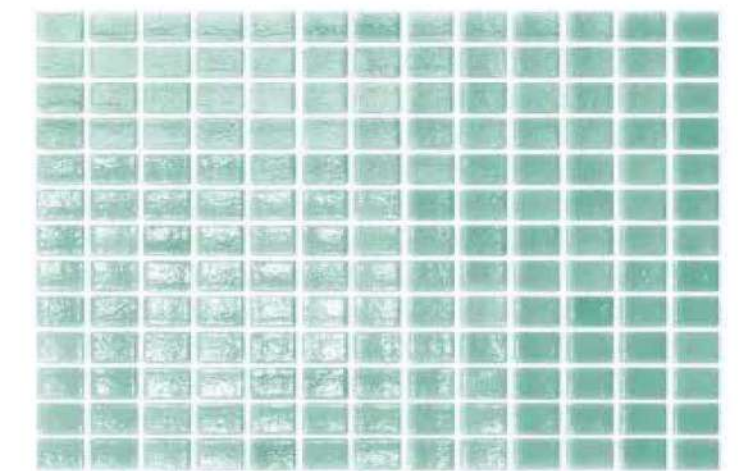
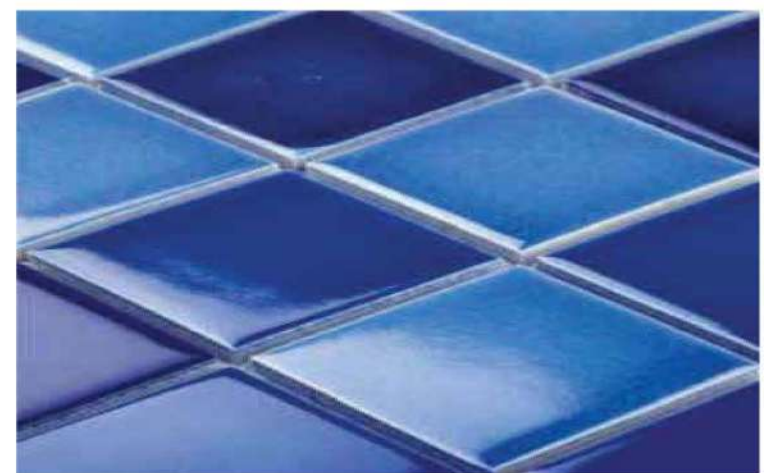
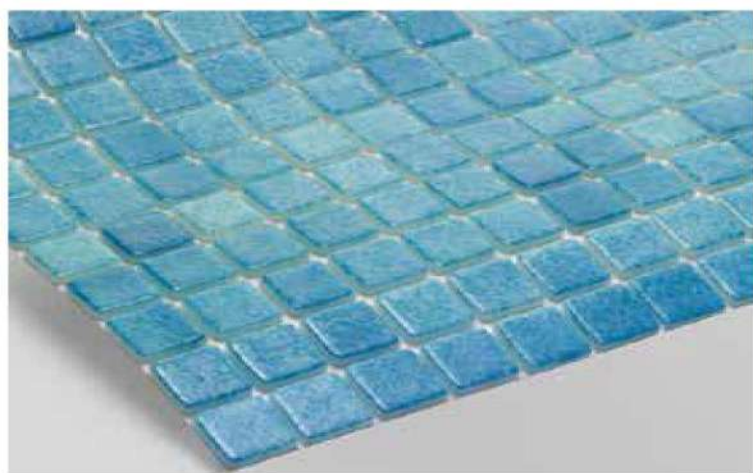
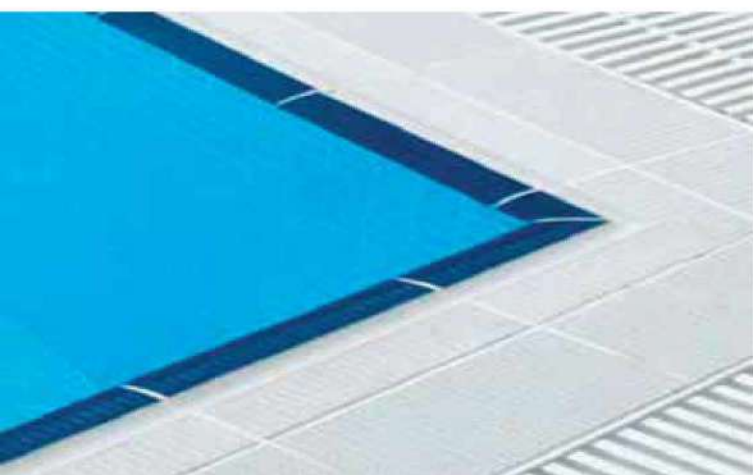
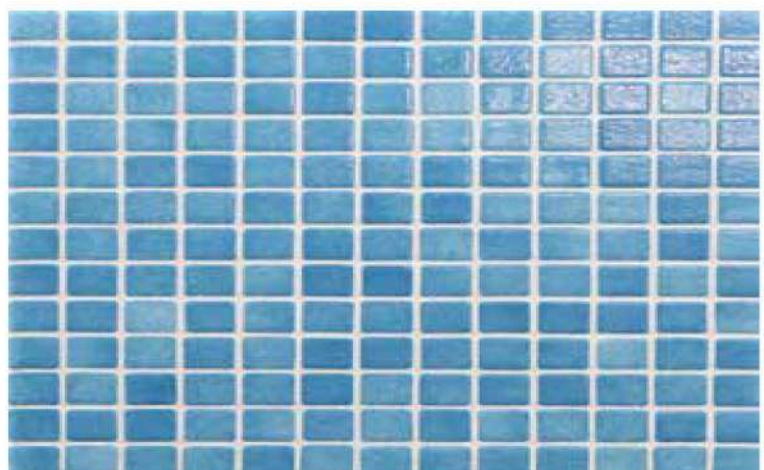
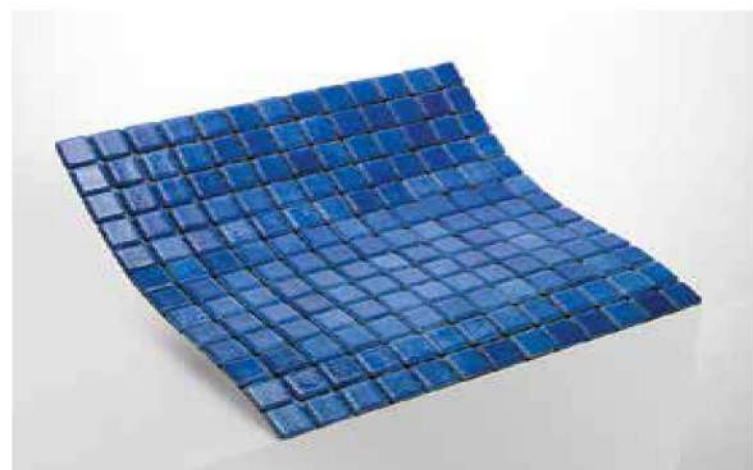
- fabric: 190T polyester PU coated
- water column: 2000 mm
- ground protection: 120 g/m² PE
- poles: fiberglass - 6.0 mm (0.24")

PACKAGING:

- carry bag with hangtag & display
- pcs. / display: 18
- pack weight (kg/lbs): 41.58 / 91.67
- contents: 1 tent, 1 carry bag, 8 pegs



Swimming Pool Tiles



Underwater Magic 290mL



Underwater Magic Is based on a formula already used by commercial divers to seal ship leaks , under strict maritime authority regulations on site at the port or out on the open sea.

After further development of the product's formula it has been developed so that it is not only suitable for seawater, it is and since 2009 also resistant against chlorine water and other chemicals.

Underwater Magic is a 1 component sea and chlorine water resistant glue, which even seals underwater. It is odour free, it's free of: Oxime - acetic acid - isocyanate & solvents , 100% silicone free and Is not affected by: chlorine / salt (sea) water, weathering and uv light, Aliphatic solvents, oils, grease, diluted inorganic acids and alkalis.

Underwater Magic is permanently elastic with good abrasion resistance and good mechanical properties. Temperature resistant from -40°C/°F degrees to +90°C / +194°F, for a short time (2 to 3 hours) even to +200°C / +392°F, can fill gaps of up to 40 mm and is allowed in areas close to food.

Underwater Magic comes in a Standard 'Silicone tube size' used with a standard caulcking gun with a filling of 290ml (approx. 9.8 US fl. oz.) or as 600ml bag (approx 20.29 US fl. oz.).

- No complicated mixing...
- No clouds in your pool...
- Use it while your pool is in use...
- No silicone contamination
- Long lasting
- Indoor and outdoor pools in full water contact.
- Fixing and replacement of tiles filling new joints
- Fixing or new joints at the edge of the pool
- Piping and building armatures
- In the insulation technology
- Repair in and around wet areas
- Maintenance in and around wet areas
- Repair of fish tanks & ponds*
- etc.

Pool Furniture



TS-001



TS-002



TS-003



TS 004



TS 005



TS 006



TS-007



TS-008



TS-009



SU-001



SU-002



SU-003



SU-007



SU-008



SU-009

Pool Furniture



Pool Furniture





POOL SHELL EQUIPMENT

POOL & FOUNTAIN PUMPS

POOL HEATER & HEAT COOL MACHINE

POOL & FOUNTAIN FILTERS

FOUNTAIN NOZZLES

POOL CLEANING EQUIPMENT

MANUAL & ROBOTIC CLEANER

POOL & FOUNTAIN PUMPS

POOL & FOUNTAIN LIGHTS

FREE DELIVERY

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