PENTAIR
POOL

2026

PRODUCT CATALOG

INDIA & MIDDLE EAST

PENTAIR.COM

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2026
INNOVATIONS
PENTAIR NEW PRODUCTS

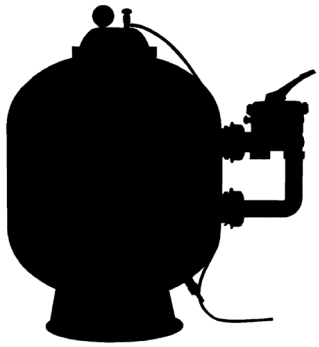
INTELLIPOOL®



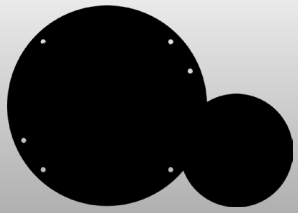
SOLEO



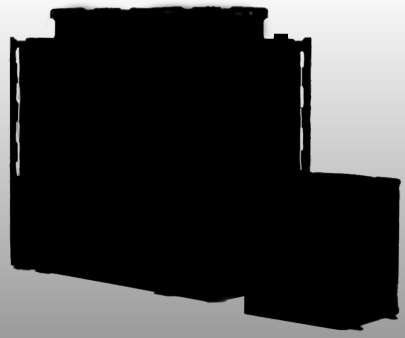
TRITON - CLEARPRO TECH



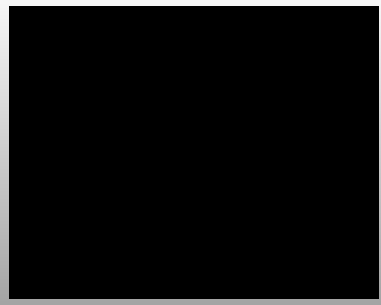
INTELLIBRITE™



COMMERCIAL HEAT PUMP



IN-FLOOR CLEANING SYSTEM

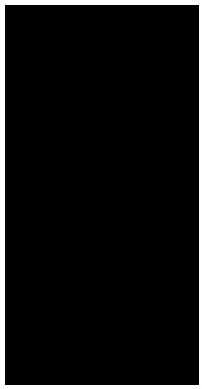


PENTAIR POOL

MAGICFLAME®



COMMERICIAL FILTER



INTELLIFLO3® VSF



PROWLER



CLEAN & CLEAR PLUS



INTELLICHLOR PLUS



INTELLIPOOL®

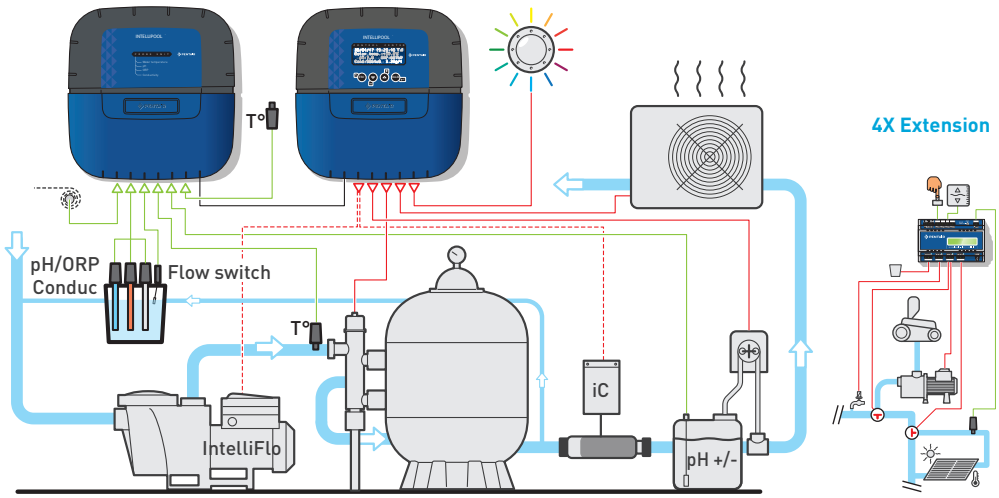
POOL AUTOMATION



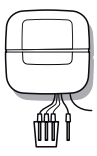
Model	Description
INTP - 1010	INTELLIPOOL® : Complete & Connected Automation System for the intelli product suite

FEATURED HIGHLIGHTS

- IntelliFlo VSD2 & VSF Advanced Control & Diagnostic
- Control salt chlorinator (provided separately) by ORP regulation.
- IntelliChlor advanced control & diagnostic.
- Adjustment of pH set point and digital display of pH value locally and remotelly.
- Adjustment of ORP set point and digital display of ORP value in mV locally and remotelly.
- System connects wireless to the home internet router to provide remote monitoring and control anywhere, anytime from a computer, smartphone or tablet.
- You are informed in real time about the condition of your pool and equipments
- Pool Professionals can remotelly monitoring and perform maintenance from a computer, smartphone or tablet

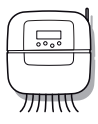


INTELLIPOOL COMPONENTS



Probe Unit

2-wire communication cable
pH Probe & Sol pH4/pH7
RedOx Probe



Control Center
INTP-5210
INTP-5220



Indoor Display
INTP-5160



Remote Control
INTP-5161



Radio Relay
INTP-5150



Internet Hub
INTP-5164

Conductivity Probe INTP-5230

Water temperature sensor SB-PD-PRO-004B

INTELLIPOOL ACCESSORIES



iChlor/SC-75
H-52-0800P
SC-75



IntelliChlor
H-52-1208C (<55m³)
H-52-0554C (<75m³)
H-52-0555C (<105m³)



4X Extension
INTP-1030



Remote control
for 4X ext.
INTP-5162



Peristaltic
dosing pump
INTP-DOS-1



Probe Holder Kit
INTP-HOLD-1



INTELLIPOOL®

Full and smart automation system to manage all your "Intelli" equipment, while controlling your pH.

PRODUCT SPECIFICATIONS

Part Number	Description
INTP-1010C	INTELLIPOOL® Automation System: Peristaltic dosing pump + pH Probe + RedOx Probe + Conductivity Probe + Water temp. sensor + Probe Holder



INTELLIPOOL® Rx

Full and smart automation system with water treatment using liquid chlorine injection and pH and ORP control.

PRODUCT SPECIFICATIONS

Part Number	Description
INTP-1010CRX	INTELLIPOOL® Rx Automation System: 2 Peristaltic dosing pumps + pH Probe + RedOx Probe + Conductivity Probe + Water temp. sensor + Probe Holder



INTELLIPOOL® Salt

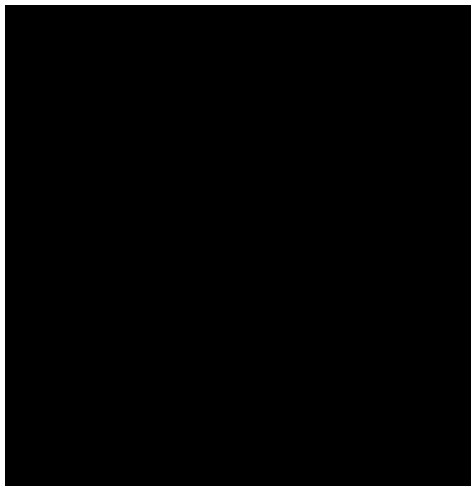
Full and smart automation system with electrolysis used for water treatment and pH and ORP control.

PRODUCT SPECIFICATIONS

Part Number	Description	Model
INTP-1010CS13	INTELLIPOOL® Rx Automation System: 2 Peristaltic dosing pumps + pH Probe + RedOx Probe + Conductivity Probe + Water temp. sensor + Probe Holder	13 g/h
INTP-1010CS27	INTELLIPOOL® Salt 27 Automation System: Peristaltic dosing pumps + pH Probe + RedOx Probe + Conductivity Probe + Water temp. sensor + Probe Holder + Intellichlor IC40	27 g/h

INTELLIPOOL®

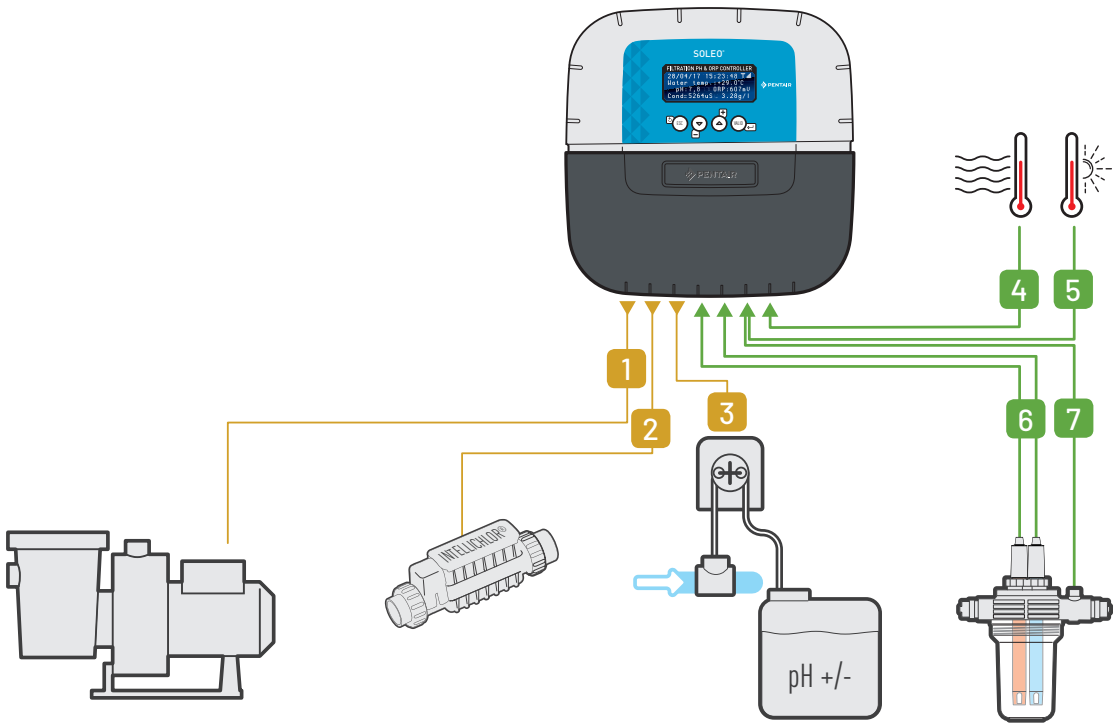
POOL AUTOMATION



FEATURED HIGHLIGHTS

- Adapts the filtration duration to the water temperature. Energy savings
- Anti-freeze protection (via activation of filtration)
- Display of the water temperature
- Disinfection via control of a salt chlorine generator or a dosing pump (accessories supplied separately)
- pH control via a dosing pump (supplied separately)
- System can be upgraded with SPEEDEO® to control variable speed pump, lighting and a heat pump

FEATURES	BENEFITS
Water treatment either by liquid chlor injection or by salt chlorination	Complete water treatment solutions
Combination of reliable and well-known products	Reliable solutions
Can be associated with a Speedeo to evolve towards automation	Scalable solutions to even more piece of mind



INTELLIPOOL®

POOL AUTOMATION

CONTENT INTELLIPOOL®



Probe Unit



Control Center



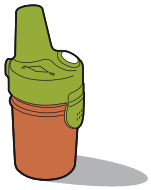
pH Probe &
Sol pH4/pH7



RedOx
Probe



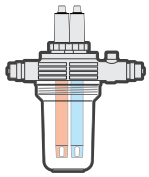
Indoor
Display



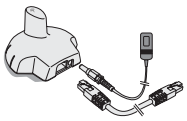
Radio Relay



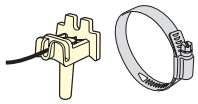
Conductivity
Probe



Probe
Holder

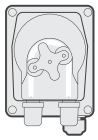


Internet Hub



Water temp.
sensor

ADDITIONAL CONTENT INTELLIPOOL®



Dosing
Pump



4x Extension

4 additional inputs and outputs, as well as a connection for solar panel

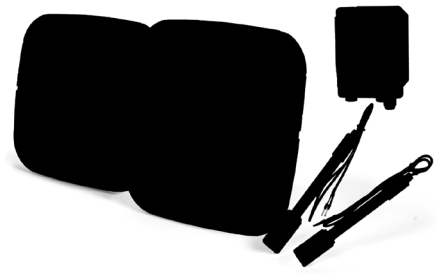


IntelliComm II

Automatic control of your variable speed and flow pumps

SOLEO

WATER TREATMENT SOLUTIONS



SOLEO pH

Intelligent pH controller that keeps the pool pH at an ideal level and adapts the pump filtration cycles.

PRODUCT SPECIFICATIONS

Part Number	Description
SB-PF-SOL-003D	Soleo® pH (Soleo, pH Probe, 1 Peristaltic dosing pumps, RedOx Probe, Water temp. sensor)



SOLEO Rx

Full water treatment solution using liquid chlorine injection to manage filtration cycles.

PRODUCT SPECIFICATIONS

Part Number	Description
SB-PF-SOL-003DRX	Soleo® Rx (Soleo, pH Probe, 2 Peristaltic dosing pumps, RedOx Probe, Water temp. sensor



SOLEO Salt

A chlorinator with pH and ORP control to manage the filtration pump.

PRODUCT SPECIFICATIONS

Part Number	Description	Pool Size (m3)	Production (g/h)	Life hours (h)
SB-PF-SOL-003DS13	SOLEO® Salt 13 (Soleo, pH Probe, Peristaltic dosing pumps, RedOx Probe, Water temp. sensor, Intellichlor IC20)	75	13	10.000
INTP-1010CS27	SOLEO® Salt 27 (Soleo, pH Probe, Peristaltic dosing pumps, RedOx Probe, Water temp. sensor, Intellichlor IC40)	150	27	10.000

SOLEO

WATER TREATMENT SOLUTIONS



FEATURED HIGHLIGHTS

- The 3 Soleo® VS solutions have the same characteristics as the Soleo® solutions but add extended automation functions such as :
- The control of the Pentair VS2, VSF and VSD2 or equivalent variable speed pumps
- The control of the heat pump
- The programming of backwash and control of automatic valves such as Pentair ProValve (provided separately).

The SOLEO® VS solutions for all your water treatment control needs.

FEATURES

Water treatment either by liquid chlor injection or by salt chlorination

Combination of reliable and well-known products

Speedeo filtration heating and lighting control

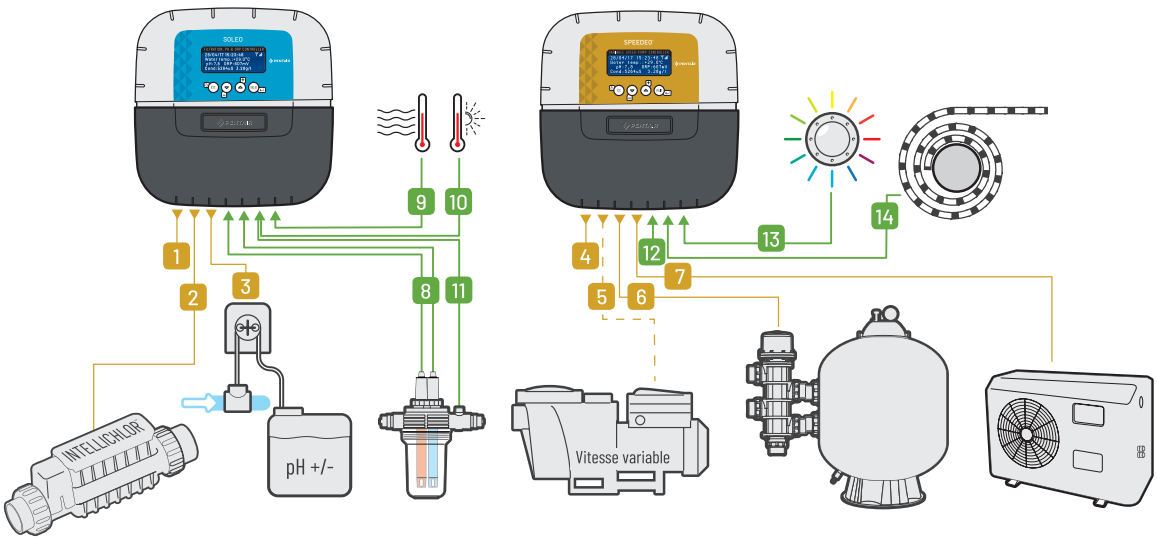
Total piece of mind thanks to automation

BENEFITS

Complete water treatment solutions

Reliable solutions

Scalable solutions to even more piece of mind



SOLEO VS

WATER TREATMENT SOLUTIONS



SOLEO VS pH

The intelligent pH regulator that can control all of your equipment.

PRODUCT SPECIFICATIONS

Part Number	Description
SB-PF-ENS-005D	Soleo® pH (Soleo, pH Probe, 1 Peristaltic dosing pumps, RedOx Probe, Water temp. sensor)



SOLEO VS Rx

Complete pH/ORP regulation for liquid chlorine disinfection and control of your equipment.

PRODUCT SPECIFICATIONS

Part Number	Description
SB-PF-ENS-005DRX	Soleo® Rx (Soleo, pH Probe, 2 Peristaltic dosing pumps, RedOx Probe, Water temp. sensor



SOLEO Salt

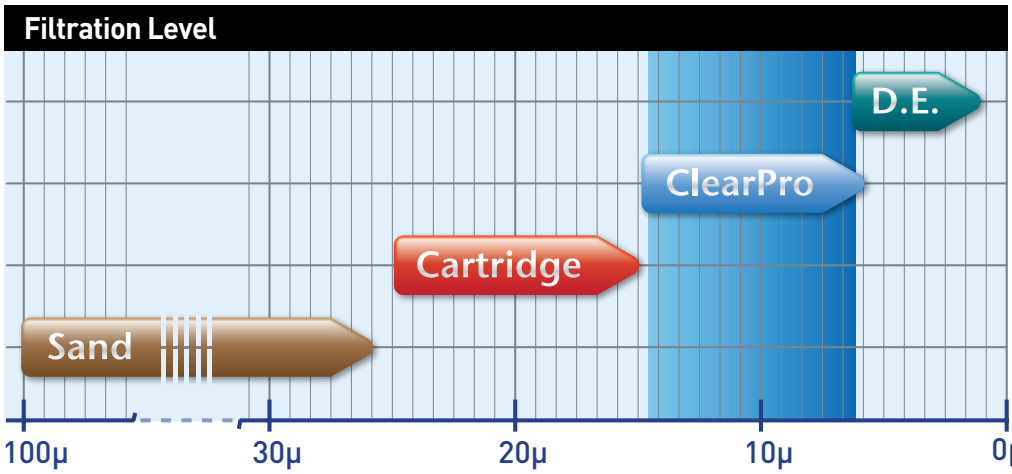
A chlorinator with pH and ORP control to manage the filtration pump.

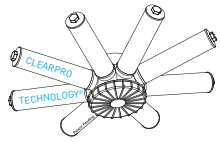
PRODUCT SPECIFICATIONS

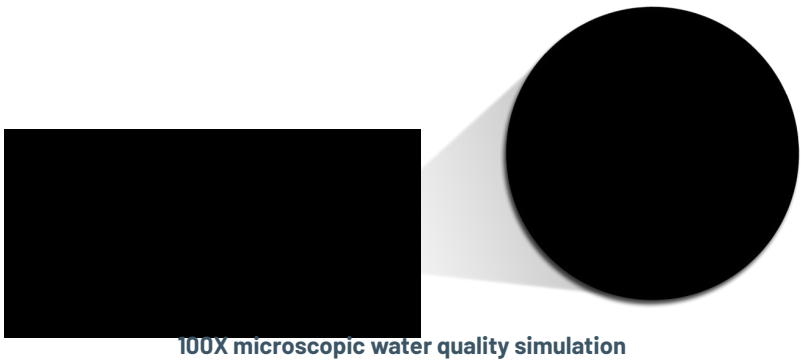
Part Number	Description	Pool Size (m3)	Production (g/h)	Life hours (h)
SB-PF-ENS-005DS13	SOLEO VS Salt 13 (Soleo, pH Probe, Peristaltic dosing pumps, RedOx Probe, Water temp. sensor, Intellichlor IC20)	75	13	10.000
SB-PF-ENS-005DS27	SOLEO VS Salt 27 (Soleo, pH Probe, Peristaltic dosing pumps, RedOx Probe, Water temp. sensor, Intellichlor IC40)	150	27	10.000

CLEARPRO TECHNOLOGY®

FOR HIGH RATE SAND FILTERS



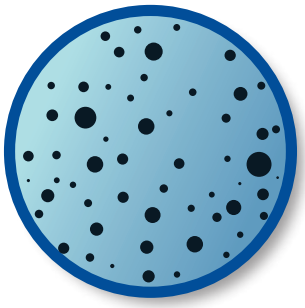




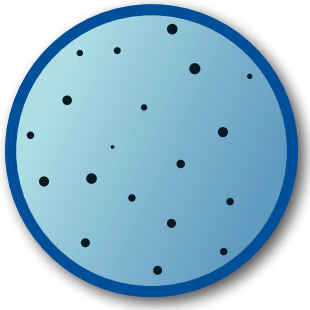
100X microscopic water quality simulation

FEATURED HIGHLIGHTS

- ClearPro® is a patented technology by Pentair to reach a very fine level of filtration somewhat 4 times better than with a conventional sand filter (about 10µ vs 40µ).
- This purity is achieved thanks to new porous laterals.
- The laterals act like additional filters creating an extra barrier against the finest particles.
- As a result, the water is crystal quality.
- ClearPro approaches DE filter clarity with sand filter functionality.

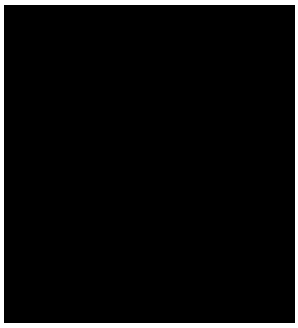


Conventional Sandfilters

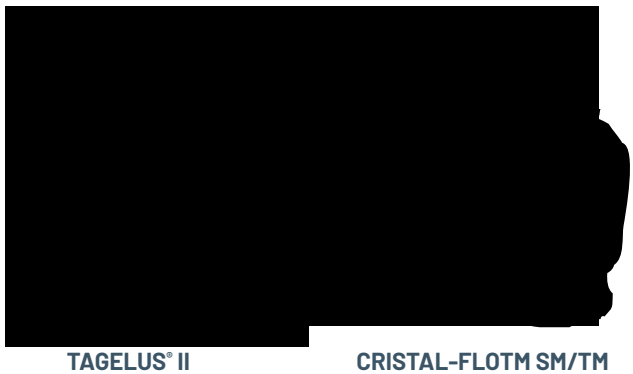


Filter with CLEARPRO TECHNOLOGY

PRODUCTS AVAILABLE WITH CLEARPRO TECHNOLOGY®

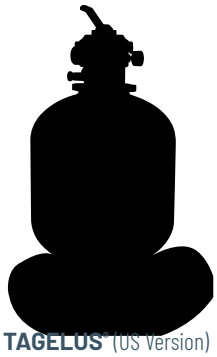


TRITON® II
With ClearPro Technology



TAGELUS® II
With ClearPro Technology

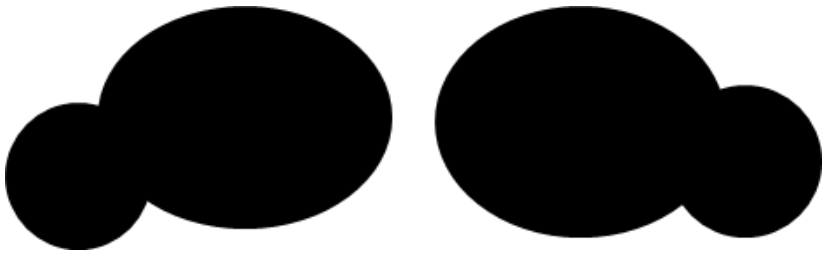
CRISTAL-FLOTM SM/TM
With ClearPro Technology



TAGELUS® (US Version)
with ClearPro Technology®

Are you familiar with Pentair's patented **ClearPro** technology?

ClearPro distributor cages remove all visible contaminants to obtain sparkling clarity of water that no sand filter can achieve. This is ClearPro technology: **better water quality, reliability and low maintenance requirements.**



WITHOUT CLEARPRO

WITH CLEARPRO



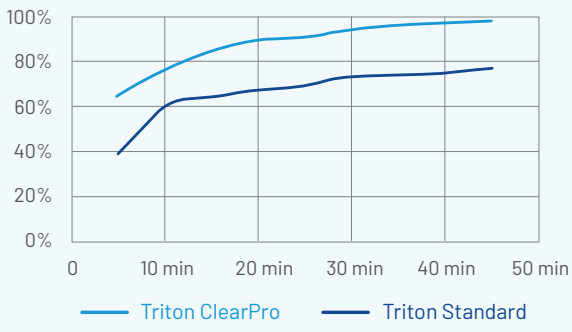
With ClearPro, you benefit from the reliability and simplicity of a sand filter with the equally high quality of a cartridge filter

UNRIVALLED CLARITY

VISIBLY CLEARER WATER

Almost 100% of water-disturbing materials are removed by ClearPro technology, compared to 80% for a standard filter.

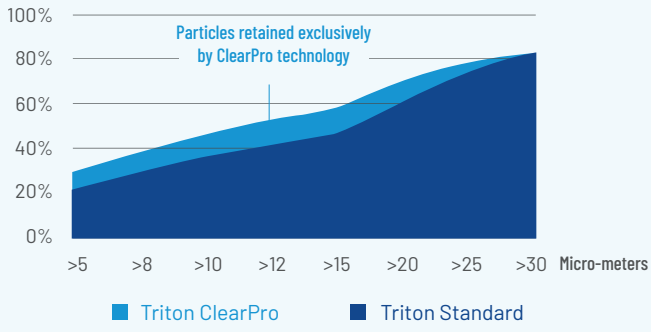
EFFECTIVENESS IN REDUCING WATER DISTURBANCE



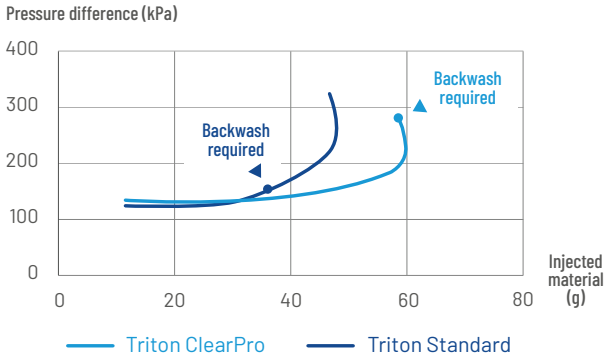
FINER FILTRATION

ClearPro technology is much more efficient at filtering fine particles smaller than 20 micro-meters, which are 4 times smaller than a grain of sand.

EFFECTIVENESS IN RETAINING PARTICLES



WATER SAVING AND MAINTENANCE



According to tests carried out at the IFTS Filtration and Separation Techniques Institute

LESS BACKWASH

Up to a third less backwash = saving water and money.

EASY MAINTENANCE AND UPKEEP

Less backwash, fewer chemicals and, above all, less time spent maintaining the pool. Less stress and more fun.

PATENTED PENTAIR EXCLUSIVITY

RELIABLE, ROBUST AND PROVEN

Patented by Pentair in 2010, ClearPro technology lies in a porous distributor cage inside the filter, creating an additional barrier against small particles that the sand cannot stop, including the finest dust particles, algae and pollen.

Distributor cages that are much more robust than the standard distributor cages that have appealed to our customers for many years, as they attest:

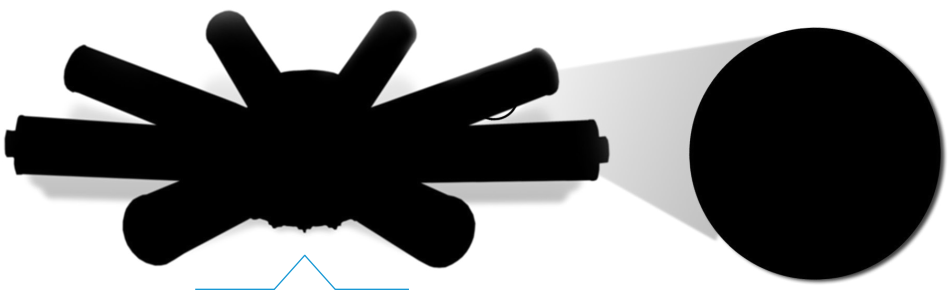
"Its fine filtration is an unparalleled selling point"

"ClearPro allows me to stand out from the competition"

"ClearPro technology from Pentair enabled us to refine filtration"

CLEARPRO TECHNOLOGY

WHAT THE PROS SAY



"We will still have to use the sand filter. So the ClearPro still has a role to play for years to come"

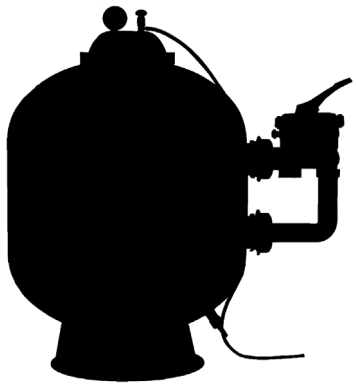
"There is no debate; it filters better"

"I only put in one particle size, which makes the task a lot easier"

Testimonials from Gilles Barbe (Aquastéryl) and Stéphane Perrino (Eden Blue)

TRITON® NEO - SM

SIDE MOUNT SAND FILTERS

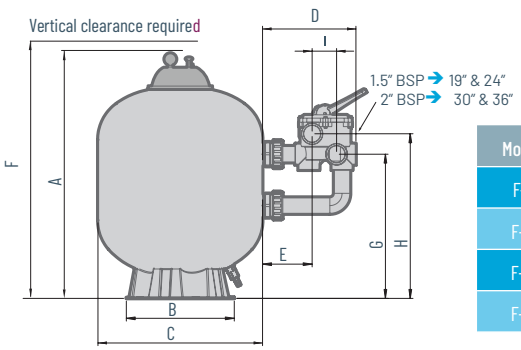


FEATURED HIGHLIGHTS

- Pre-assembled ABS 6-way valve
- New dome with independant connection for manometer and air bleed
- New full plastic anti-corrosion air bleed with extra air-tube to keep shell clean
- Re-inforced inner pipes & adaptor rings
- Available with ClearPro Technology® and Provalve

ORDERING INFORMATION

Model Number	Diameter Ø (mm)	Filter Area (m²)	Flow Rate (m³/h)	Max. Pressure (bars)	Valve Connection	Sand (kg) 0.4-0.8 (mm)	Gravel (kg) 3-5 (mm)	Clearance Distance (mm)	Valve
F-19S6-NEO	480	0.17	8.5	2.5	1.5"	50	25	825	6 Way
F-24S6-NEO	610	0.29	14	2.5	1.5"	100	50	955	6 Way
F-30S6-NEO	762	0.45	22	2.5	2.0"	200	75	1095	6 Way
F-36S8-NEO	914	0.64	32	2.5	2.0"	300	100	1200	6 Way
WITH CLEARPRO® TECHNOLOGY									
F-19S6-NEO	480	0.17	8.5	2.5	1.5"	50	-	825	6 Way
F-24S6-NEO	610	0.29	14	2.5	1.5"	100	-	955	6 Way
F-30S6-NEO	762	0.45	22	2.5	2.0"	200	-	1095	6 Way
F-36S8-NEO	914	0.64	32	2.5	2.0"	300	-	1200	6 Way



DIMENSIONS

Model Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
F-19S8-NEO	785	400	Ø480	252	120	876	463	524	70
F-24S8-NEO	915	400	Ø610	252	120	1006	530	592	70
F-30S8-NEO	1055	610	Ø762	302	160	1146	590	671	70
F-36S8-NEO	1160	610	Ø914	302	160	1448	657	738	70

PACKAGING

Model Number		Box				Pallet			
Standard	ClearPro	Length (mm)	Width (mm)	Height (mm)	Poids (Kg)	Length (mm)	Width (mm)	Height (mm)	Pce/Pallet
F-19S8-NEO	F-19S8-NEOCP	49	49	88	11	98	98	189	8
F-24S8-NEO	F-24S8-NEOCP	63	63	102	16.3	126	126	218	8
F-30S8-NEO	F-30S8-NEOCP	78	78	120	28.3	156	80	134	2
F-36S8-NEO	F-36S8-NEOCP	94	94	106	35.5	95	95	220	2

TRITON® NEO - TM

TOP MOUNT SAND FILTERS WITH VALVE

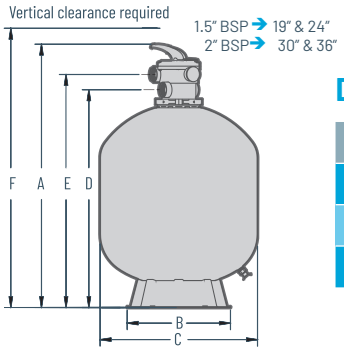


FEATURED HIGHLIGHTS

- 6way Top Mount Valve with Sight Glass, pressure gauge
- Max working pressure: 3.5 bars.
- New metalic blue colour with shiny gloss, UV resistant.
- Reinforced inner packaging.

ORDERING INFORMATION

Model Number	Diameter Ø (mm)	Filter Area (m²)	Flow Rate (m³/h)	Max. Pressure (bars)	Valve Connection	Sand (kg) 0.4-0.8 (mm)	Gravel (kg) 3-5 (mm)	Clearance Distance (mm)	Valve
F-19T6-NEO	480	0.17	8.5	3.5	1.5″	50	25	985	6 Way
F-24T6-NEO	610	0.29	14	3.5	1.5″	100	50	1115	6 Way
F-30T8-NEO	762	0.45	22	3.5	2.0″	200	75	1286	6 Way
WITH CLEARPRO® TECHNOLOGY									
F-19T6-NEOCP	480	0.17	8.5	3.5	1.5″	50	-	985	6 Way
F-24T6-NEOCP	610	0.29	14	3.5	1.5″	100	-	1115	6 Way
F-30T8-NEOCP	762	0.45	22	3.5	2.0″	200	-	1286	6 Way



DIMENSIONS

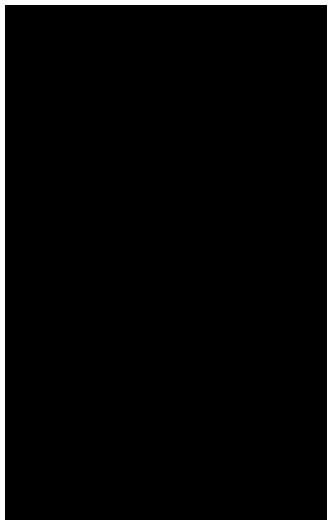
Model Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
F-19T6-NEO	878	400	Ø480	715	774	1194
F-24T6-NEO	1009	400	Ø610	847	904	1448
F-30T8-NEO	1170	610	Ø762	1026	1108	1664

PACKAGING

Model Number		Box				Pallet			
Standard	ClearPro	Length (mm)	Width (mm)	Height (mm)	Poids (Kg)	Length (mm)	Width (mm)	Height (mm)	Pce/Pallet
F-19T6-NEO	F-19T6-NEOCP	49	49	88	11	98	98	189	8
F-24T6-NEO	F-24T6-NEOCP	63	63	102	16.3	126	126	218	8
F-30T8-NEO	F-30T8-NEOCP	78	78	120	28.3	156	80	134	2

PRO-VALVE

FOR TRITON NEO



FEATURED HIGHLIGHTS

- Superior filtration removes even the tiniest particles for a sparkling-clean pool experience to achieve crystal-clear water.
- Enhanced internal design and balanced flow enable 25% greater* energy efficiency and lower operating cost.
- Longer filtration cycles extend periods between cleanings for low maintenance ownership.

FEATURES

Associating the Pentair Pro Valve to an external control systems such as IntelliPool

Port can be 90° rotated

BENEFITS

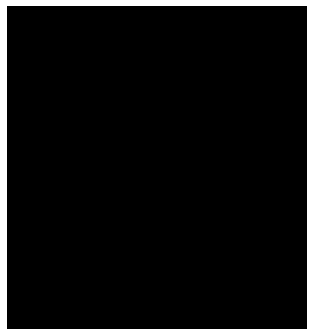
Automated filter backwash

Installation facilitated

ORDERING INFORMATION

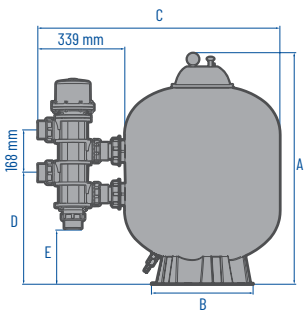
Model Number	Description
PROV-1w010	2" ProValve Kit with unions [1]
TRITON NEO WITH CLEARPRO TECHNOLOGY WITH PROVALVE	
F-24S8-NEOCPPRO	24" Triton NEO ClearPro with Pro Valve
F-30S8-NEOCPPRO	30" Triton NEO ClearPro with Pro Valve
F-36S8-NEOCPPRO	36" Triton NEO ClearPro with Pro Valve

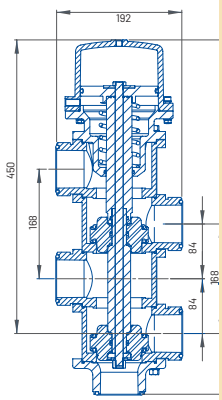
[1] PROV-ADAP is required to install on existing Triton.
Sea water version (4.5%) available on demand. Please contact your local Pentair representant.
Clear Pro Technology as standard Triton price.



DIMENSIONS

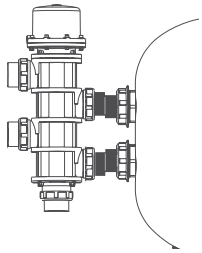
Model Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
F-24S8-NEOCPPRO	915	Ø400	949	438	211
F-30S8-NEOCPPRO	1055	Ø610	1101	498	271
F-36S8-NEOCPPRO	1160	Ø610	1253	565	338





ACCESSORIES

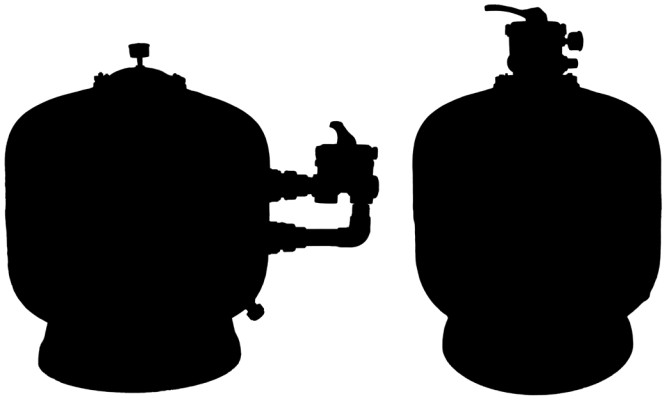
Model Number	Description
PRO-ADAP	Retro-Fit Adaptor for Triton standard and neo (2 pcs.)
PROV-CPR	Pro Valve Compressor (135 x 254 x 220 mm/ 3.8 bar)





LACUS - SIDE AND TOP MOUNT

HIGH RATE SAND FILTER



FEATURED HIGHLIGHTS

- Working pressure 3.5 Bar.
- Non Corrosive matrial.
- Maximum operating temperature 50ºC.
- UV resistant surface.
- Design for 4x safety factor.
- With 5 year filter shell warranty.
- Sizes available from 18" to 48" diameter.

Lacus Filters are FRP bobbin wound filters for swimming pool applications

LACUS - SIDE MOUNT

PRODUCT SPECIFICATIONS

Max. Working Pressure	3.5 Bar
Factory Testing Pressure	4.5 Bar
Max. Operating Temp.	50ºC
MOC	Filament wound with Isolthalic resin UV protection. FRP Liner
Filter Colours	Brown Beige
Base Colour	Black
Warranty	5 years for shell

PIPE FILTERATION AND DESIGN

Product	Pipe Size (Inch)	Filter Area (m^2)	Sand Req. (kg)	Design Flow (m^3/hr) @ 50m^3/hr/m^2
BWF-18-1.5SM	1.5	0.15	80	7.5
BWF-21-1.5SM	1.5	0.22	150	11
BWF-25-1.5SM	1.5	0.32	220	15
BWF-28-1.5SM	1.5	0.37	240	18
BWF-30-2SM	2.0	0.44	270	22
BWF-32-2SM	2.0	0.56	400	28
BWF-36-2SM	2.0	0.70	470	35
BWF-36-2.5SM	2.5	0.70	470	35
BWF-44-2.5SM	2.5	0.93	900	46
BWF-48-2.5SM	2.5	1.1	1300	55
BWF-48-3SM	3.0	1.1	1300	55

DIMENSIONS

Product	BWF-18-1.5SM	BWF-21-1.5SM	BWF-25-1.5SM	BWF-28-1.5SM	BWF-30-2SM	BWF-32-2SM	BWF-36-2SM	BWF-36-2.5SM	BWF-44-2.5SM	BWF-48-2.5SM	BWF-48-3SM
A	450	550	650	700	760	860	960	960	1100	1200	1200
B	705	770	850	920	970	1090	1160	1160	1380	1480	1480
C	330	400	440	560	560	650	700	700	800	870	870
D	360	410	450	500	540	590	640	640	830	900	915
E	120	140	140	160	180	180	190	225	270	240	280

LACUS - SIDE AND TOP MOUNT

HIGH RATE SAND FILTER

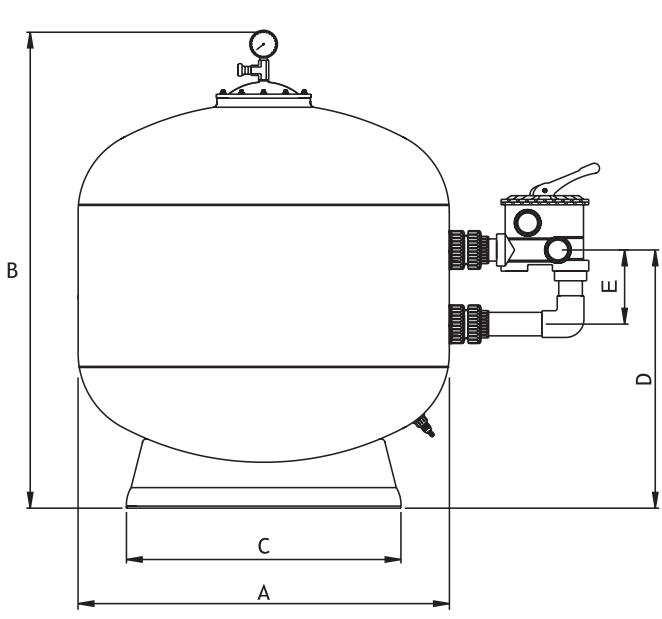
LACUS - TOP MOUNT

Technical Characteristics

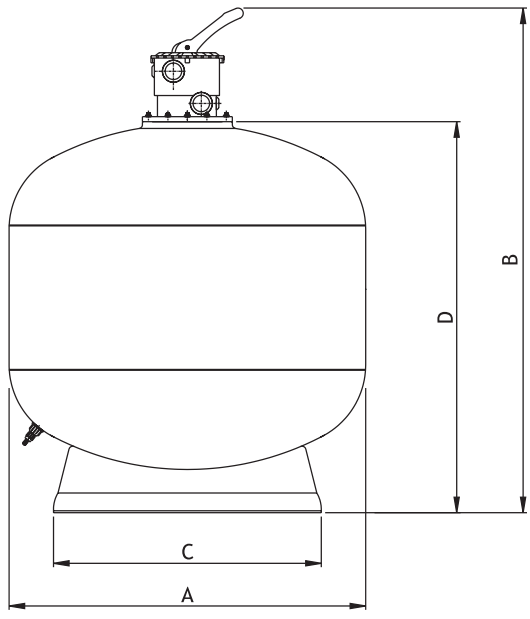
Product	Pipe Size (Inch)	Filter Area (m^2)	Sand Req. (kg)	Design Flow (m^3/hr) @ 50m^3/hr/m^2
BWF-18-1.5TM	1.5	0.15	80	7.5
BWF-21-1.5TM	1.5	0.22	150	11
BWF-25-1.5TM	1.5	0.32	220	15
BWF-28-1.5TM	1.5	0.37	240	18
BWF-30-2TM	2.0	0.44	270	22
BWF-32-2TM	2.0	0.56	400	28
BWF-36-2TM	2.0	0.70	470	35
BWF-44-2TM	2.0	0.93	900	40
BWF-48-2TM	2.0	1.1	1300	35

DIMENSIONS

Product	BWF-18-1.5TM	BWF-21-1.5TM	BWF-25-1.5TM	BWF-28-1.5TM	BWF-30-2TM	BWF-32-2TM	BWF-36-2TM	BWF-44-2TM	BWF-48-2TM
A	450	550	650	700	760	860	960	1100	1200
B	780	840	1040	990	1090	1210	1280	1500	1500
C	330	400	440	560	560	650	700	800	800
D	530	600	680	750	800	920	990	1210	1210



Lacus Side Mount



Lacus Top Mount

NOTE: Actual system flow will depends on plumbing size and other system components

Make your pool sparkle
with a Pentair element filter!

SMART AND SUSTAINABLE FILTRATION. CHECK!

Less water discharge

An element filter does not require a backwash for cleaning. This has several benefits:

+ Less water loss: much less water is sent to the drain, i.e up to 6,000 liters of water (6m^3) each year in relation to a classic sand filter.

+ Energy savings: a backwash results in the pool needing extra heating because of the newly added 'colder' water.

+ Less chemicals: the newly added water leads to an imbalance in the pool's overall chemistry. This requires monitoring of the chemical parameters, and a direct action so that the main chemical levels are back to what they were before the backwash.

Reduced pressure drops

Pressure drops not only reduce the flow rate of water and therefore the efficiency of its filtration, they can also cause damage the hydraulic network.

INSTALLATION AND MAINTENANCE ARE AS EASY AS A BREEZE.

Low maintenance means more time to enjoy your pool

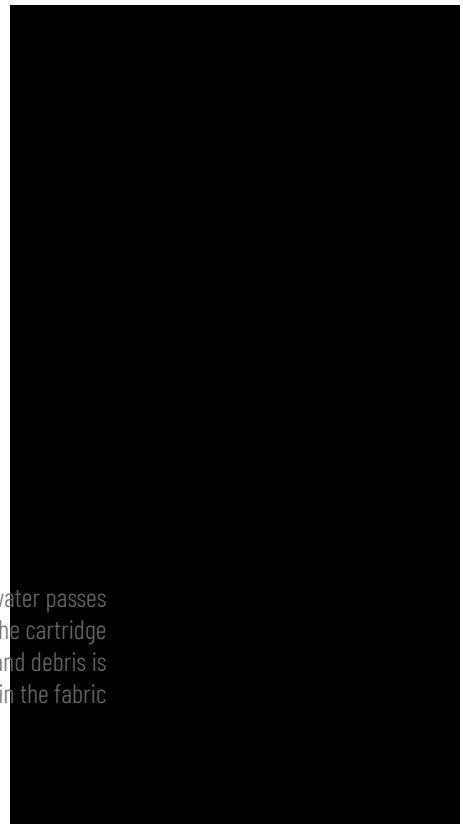
Element filters require very little maintenance time, as cleaning takes place only once per season. No in-between backwash is required.

To clean just open the top of the tank, remove the cartridge(s), hose them off with a garden hose or replace them and the filter is ready again.

Elements that are well maintained and de-scaled every year can last four to six years. No sand is involved at all. Consequently there will never be sand in the pool.

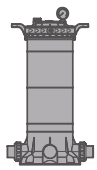
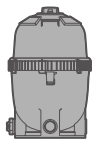
Compact and convenient

The setup of element filters is very easy. Its small dimensions make for an easy installation in the technical room and make it the ideal replacement filter when space is an issue.



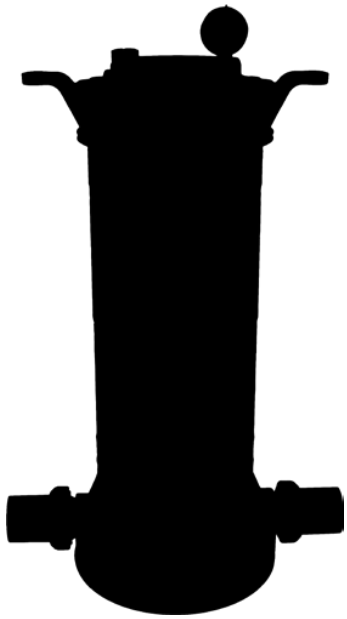
As the water passes through the cartridge dirt and debris is trapped in the fabric

HELP FOR CHOOSING
SWIMMING POOL **ELEMENT FILTER**

Pool	Model	(m^3/h)	Connection	Brand
ACCESS 6x3 m or 20-70 m^3 Small inground & large above ground	 FREEFLO	5-18	50-63	PENTAIR
	 CLEAN & CLEAR	5-18	50-63	PENTAIR
ALL AROUND 10x4 m or 40-100 m^3 Majority of residential pools	 SYSTEM 2	11-22	50-63	STA-RITE
HEAVY DUTY 12x5 m ou 70-120 m^3 Large residential & overflow	 CLEAN & CLEAR PLUS	10-30	50-63	PENTAIR

FREEFLO CARTRIDGE FILTER

HIGH PERFORMANCE CARTRIDGE FILTER



FEATURED HIGHLIGHTS

- Built from highly durable UV resistant plastics.
- Lid and locking ring have large handles for easy grip.
- 2 inlet ports and 2 outlet ports, 90 degrees opposed allows fitting to any plumbing configuration.
- 40mm and 50mm barrel unions included.
- Small footprint.
- Stainless steel, oil-filled, pressure gauge.
- Internal bypass valve prevents exceedingly high pressures.

The FreeFlo Cartridge filter combines top-end filter performance with with low maintenance. This dependable design uses special filter elements to strip tiny particles from your pool water...particles as small as 8 microns. (An average grain of beach sand is 1,000 microns!) Plus, cleaning is a breeze.

Open the top, remove the cartridge, hose it off and the FreeFlo filter is ready to go again.

ORDERING INFORMATION

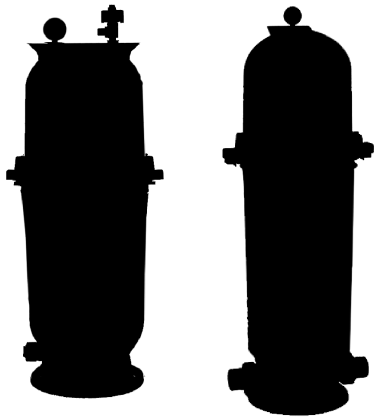
Model	Product	Effective Filtration Area (ft^2/m^2)	Max Flow Rate (LPM)	Carton Dimensions (mm)	Carton Wt. (kg)	Pallet Qty.
FreeFlo Filters						
FFCF-075	FreeFlo Cartridge Filter 75 sq ft	75 / 7	280	320x320x900	10.2	12
FFCF-100	FreeFlo Cartridge Filter 100 sq ft	100 / 9.3	380	320x320x900	11.8	9
FFCF-150	FreeFlo Cartridge Filter 150 sq ft	150 / 13.9	550	320x320x1100	13.4	9
FFCF-200	FreeFlo Cartridge Filter 200 sq ft	200 / 18.6	680	320x320x1300	15.7	9
FreeFlo Filter Replacement Cartridges						
800750	Replacement Cartridge FFCF 75 sq ft	-	-	185x185x545	3.2	1
800760	Replacement Cartridge FFCF 100 sq ft	-	-	185x185x545	4.8	1
800761	Replacement Cartridge FFCF 150 sq ft	-	-	185x185x725	6.4	1
800762	Replacement Cartridge FFCF 200 sq ft	-	-	185x185x905	7.7	1

Note: Operating Limits – maximum continual operating pressure of 250kPa. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 40°C.

*Terms and conditions apply

CLEAN & CLEAR®

FIBERGLASS REINFORCED POLYPROPYLENE
CARTRIDGES FILTERS



NSF Listed

ecoselect™

FEATURED HIGHLIGHTS

- NSF listed.
- Unionized connections.
- Integrated continuous High Flow™ internal air relief*.
- Chemical resistant tank body.
- Lock ring with spring-loaded safety latches.
- Coreless cartridge for easy cleaning.
- High Flow manual air relief valve.
- 1 in. drain and wash out.
- Single piece base and body design.

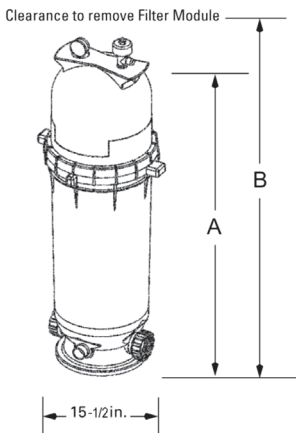
* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

The **Clean & Clear®** Filter features a chemical resistant tank with no-tool servicing and a coreless cartridge for easier cleaning. All models are equipped with easy spin-on unions for plumbing hook-ups. These filters are NSF listed, and are available in 50, 75, 100, 150, and 200 square feet sizes.

ORDERING INFORMATION

Standard	Model	Filter (mm) Ø	Recommended flow rate (m^3/h)	Filter Area (m^2)	Flange connection (mm)	Clearence distance (mm)	Valve Connection	Maximum working pressure (bar)
160314	CC50	394	5	4.7	50	762	ID50 - OD63	3.5
160315	CC75	394	8	7.0	50	991	ID50 - OD63	3.5
160316	CC100	394	10	3,.	50	1550	ID50 - OD63	3.5
160317	CC150	394	14	13.9	50	1930	ID50 - OD63	3.5
160318	CC200	394	18	18.6	50	1930	ID50 - OD63	3.5

Note: Actual system flow will depend on plumbing size and other system components.
Note: Pentair Pool Products does not recommend flow rates above 150 GPM.
Note: Operating Limits - maximum continual operating pressure of 50PSI. Pool/Spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

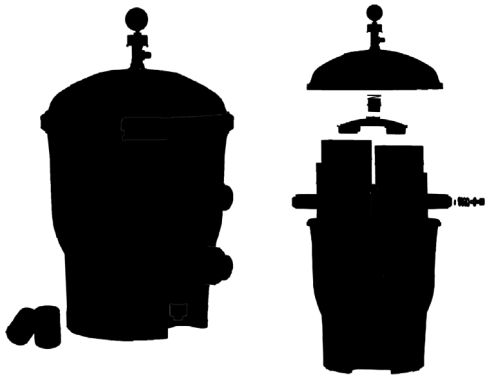


DIMENSIONS

Model	A	B
160314	18″	30″
160315	25 1/2″	39″
160316	33″	61″
160317	40 1/2″	76″
160318	40 1/2″	76″

CLEAN & CLEAR® PLUS

FIBERGLASS REINFORCED POLYPROPYLENE
CARTRIDGES FILTERS



FEATURED HIGHLIGHTS

- Corrosion-resistant, injection-molded, fiberglass-reinforced, polypropylene filter tank featuring superior strength and reliability
- Single-piece base and body design for more stability
- Integrated Continuous High Flow™ Internal Air Relief
- Clean & Clear Plus uses 4 cartridges for an increased filter area and a better dirt capacity, which increase the period between washings
- Perfect match with variable speed pumps

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

eco select™ NSF Listed

Clean & Clear® Plus Filters have a corrosion resistant injection molded filter tank featuring superior strength and reliability. The cartridge assembly uses four easy to clean, non-woven, polyester cartridges. Each filter is supplied with a bulkhead union set for easy installation.

ORDERING INFORMATION

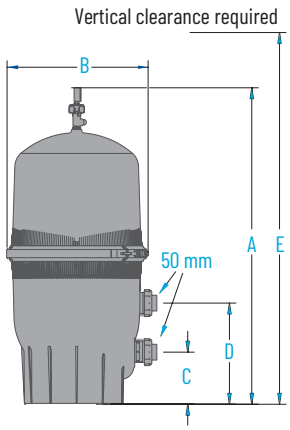
Model	Standard	Filter (mm) Ø	Recommended flow rate (m³/h)	Filter Area (m²)	Flange connection (mm)	Clearence distance (mm)	Maximum working pressure (bar)	Valve Connection
CC240	160310	546	10	22.3	50	1422	3.5	DI50-DE63
CC320	160340	546	14	29.7	50	1575	3.5	DI50-DE63
CC420	160301	546	22	39.0	50	1727	3.5	DI50-DE63
CC520	160332	546	30	48.3	50	1880	3.5	DI50-DE63

Note: Actual system flow will depend on plumbing size and other system components.

Note: Pentair Pool Products does not recommend flow rates above 150 GPM.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

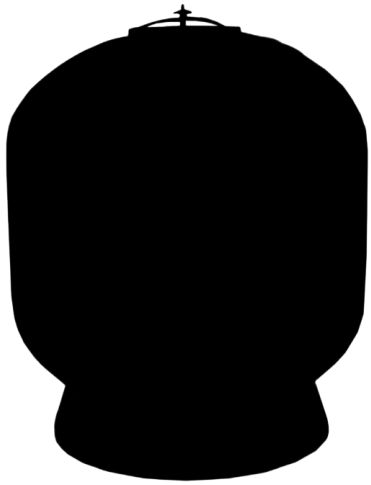
NSF Listed



Model	A	B	C	D	E
160310	940	546	203	394	1422
160340	1092	546	203	394	1575
160301	1244	546	203	394	1727
160332	1422	546	203	394	1880

LACUS - COMMERCIAL

DIRT HANDLING CAPACITY PAYS OFF IN LESS MAINTENANCE



FEATURED HIGHLIGHTS

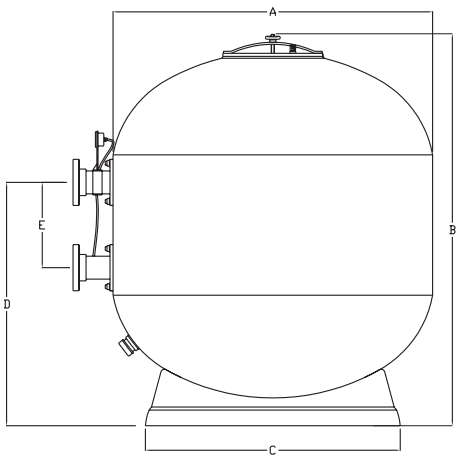
- Working pressure 3.5 bar
- Max. operating temperature 50°C
- MOC Filament wound with Isothalic resin & UV protection on FRP Liner
- Filter Colours Blue
- Base Colour Black
- Warranty 5 years on vessel

We are specialists in the production of bobbin wound polyester sand filters for large size installations, such as commercial and communal swimming-pools, aquatic parks, water treatment plants, aquariums, etc.

ORDERING INFORMATION

Product Specifications

Product	Filter Dia. (mm)	Filter Area (m^2)	Port Size (Inch)	Flow Rate (m^3/hr)	Sand Req. (kg)	Gravel (Kg)
FSM 1400 – 55"	1400	1.52	4 inch	46/60	1400	450
FSM 1600 – 63"	1600	1.98	4 inch	60/80	2400	800
FSM 1800 – 70"	1800	2.50	6 inch	75/101	3000	1000
FSM 2000 – 78"	2000	3.11	6 inch	94/125	4500	1500



DIMENSIONS

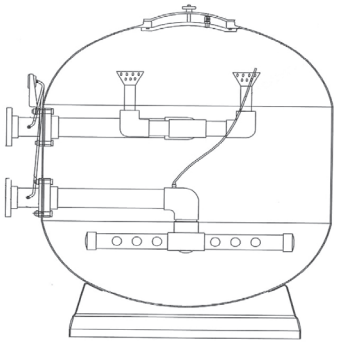
Product	FSM 1400 - 55"	FSM 1600 - 63"	FSM 1800 - 70"	FSM 2000 - 78"
A	1400	1600	1800	2000
B	1700*	2050	2150	2400
C	1020*	1270	1430	1600
D	1050*	1230	1350	1530
E	350*	425	500	500

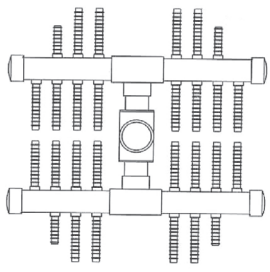
Note: Flow rate is calculated at a specific velocity of $30m^3/h/m^2$

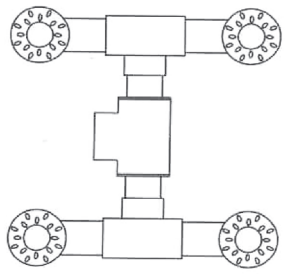
Flow rate is calculated at a specific velocity of $40m^3/h/m^2$

*Parameters shall be finalized after the manufacturing of products.

NOTE: Actual system flow will depends on plumbing size and other system components.

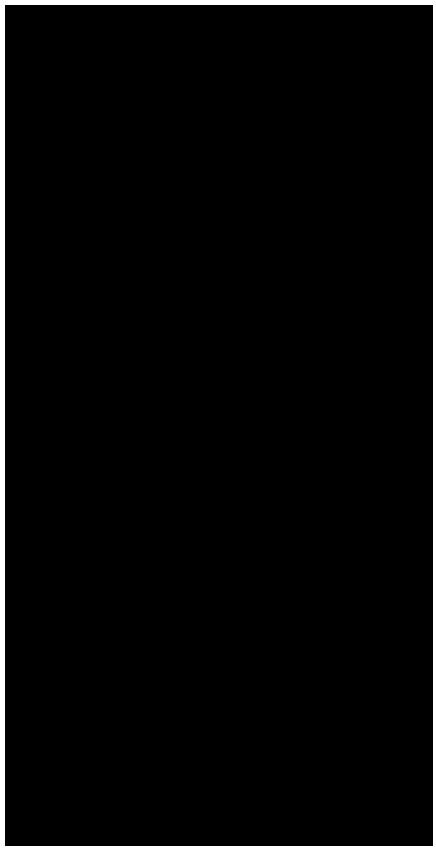






PWT-SDB COMMERCIAL FILTER

DEEP BED FIBREGLASS TANK WITH SIDE-MOUNT MULTIPORT VALVE



FEATURED HIGHLIGHTS

- Spun-woven, UV resistant fibreglass construction for exceptional strength, chemical resistance and long life.
- Max Operating Pressure 250kPa.
- Dual layers of Laterals.
- 4" Sight Glass.
- Manhole for servicing.
- 50mm / 2" Drain.
- 1 year commercial warranty.*

The Pentair Deep Bed Filters offer a more thorough 1.2m deep sand bed. 1.0m or filtration with a standard Giving high filtration performance for large domestic and .commercial swimming pools



ORDERING INFORMATION

Model	Product	Effective Filter Area (m^2)	Valve Conn. (in.)	Max Flow Rate (LPM)	Backwash Flow Rate (LPM)	Sand Req. (kg)	Carton Wt. (kg)
Side-Mount Deep Bed Filters 1M Sand Bed							
PWT-SDB-10-07-20	Side-Mount Deep Bed Filter - 0.7m dia \ 1m Sand Bed \ 2" Vlv	0.38	2"	253	205	580	135
PWT-SDB-10-09-20	Side-Mount Deep Bed Filter - 0.9m dia \ 1m Sand Bed \ 2" Vlv	0.63	2"	420	340	957	235
PWT-SDB-10-09-25	Side-Mount Deep Bed Filter - 0.9m dia \ 1m Sand Bed \ 2.5" Vlv	0.63	2.5"	525	340	957	240
PWT-SDB-10-10-20	Side-Mount Deep Bed Filter - 1.0m dia \ 1m Sand Bed \ 2" Vlv	0.78	2"	520	420	1204	284
PWT-SDB-10-10-25	Side-Mount Deep Bed Filter - 1.0m dia \ 1m Sand Bed \ 2.5" Vlv	0.78	2.5"	650	420	1204	290
PWT-SDB-10-12-25	Side-Mount Deep Bed Filter - 1.2m dia \ 1m Sand Bed \ 2.5" Vlv	1.3	2.5"	910	550	1700	350
Side-Mount Deep Bed Filters 1.2M Sand Bed							
PWT-SDB-12-07-20	Side-Mount Deep Bed Filter - 0.7m dia \ 1.2m Sand Bed \ 2" Vlv	0.38	2"	253	205	696	150
PWT-SDB-12-09-20	Side-Mount Deep Bed Filter - 0.9m dia \ 1.2m Sand Bed \ 2" Vlv	0.63	2"	420	340	1146	258
PWT-SDB-12-09-25	Side-Mount Deep Bed Filter - 0.9m dia \ 1.2m Sand Bed \ 2.5" Vlv	0.63	2.5"	525	340	1146	263
PWT-SDB-12-10-20	Side-Mount Deep Bed Filter - 1.0m dia \ 1.2m Sand Bed \ 2" Vlv	0.78	2"	520	420	1436	330
PWT-SDB-12-10-25	Side-Mount Deep Bed Filter - 1.0m dia \ 1.2m Sand Bed \ 2.5" Vlv	0.78	2.5"	650	420	1436	336
PWT-SDB-10-12-25	Side-Mount Deep Bed Filter - 1.2m dia \ 1m Sand Bed \ 2.5" Vlv	1.3	2.5"	910	550	2100	390

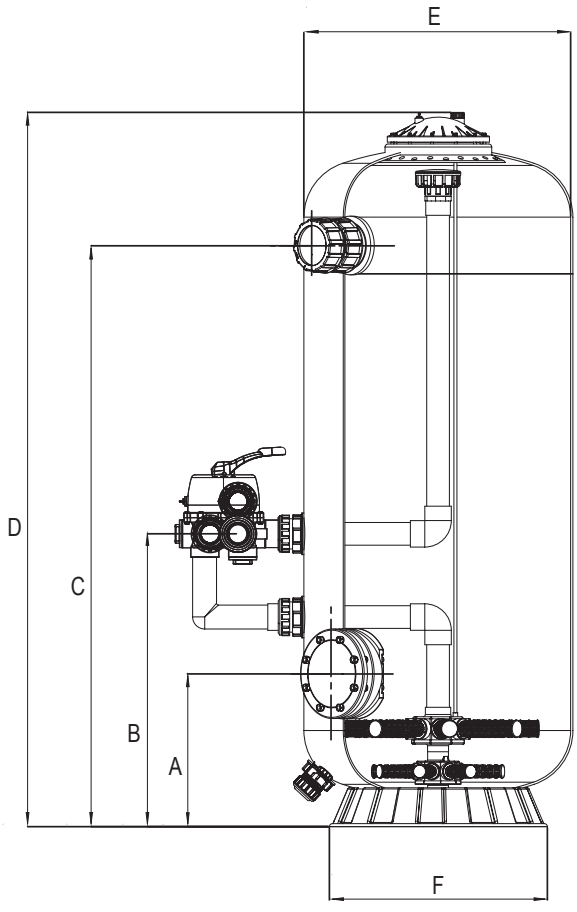
*Terms and conditions apply

PWT-SDB COMMERCIAL FILTER

DEEP BED FIBREGLASS TANK WITH SIDE-MOUNT MULTIPORT VALVE

DIMENSIONS

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
Side-Mount Deep Bed Filters 1M Sand Bed						
PWT-SDB-10-07-20	510	750	1270	1672	700	680
PWT-SDB-10-08-20	510	750	1270	1702	800	740
PWT-SDB-10-09-20	515	870	1270	1735	900	860
PWT-SDB-10-09-25	515	834	1270	1735	900	860
PWT-SDB-10-10-20	515	870	1270	1813	1000	960
PWT-SDB-10-10-25	515	1033	1270	1813	1000	960
Side-Mount Deep Bed Filters 1.2M Sand Bed						
PWT-SDB-12-07-20	510	750	1470	1872	700	680
PWT-SDB-12-08-20	510	750	1470	1902	800	740
PWT-SDB-12-09-20	515	870	1470	1935	900	860
PWT-SDB-12-09-25	515	834	1470	1935	900	860
PWT-SDB-12-10-20	515	870	1470	2013	1000	960
PWT-SDB-12-10-25	515	1033	1470	2013	1000	960



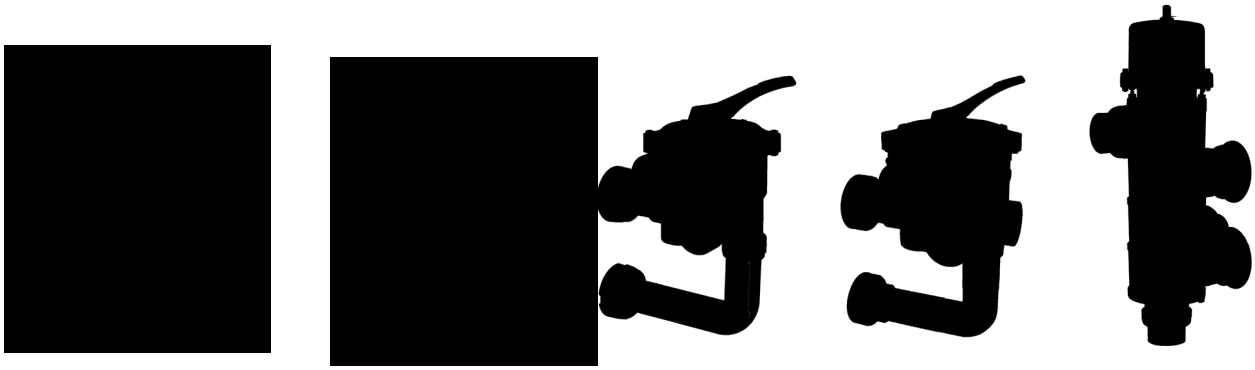
*Terms and conditions apply

FILTER VALVES

1½ & 2 IN. BACKWASH VALVES FOR TOP AND SIDE MOUNT FILTERS



R14965TM10E R14965TM10 RE261069B RE261070ND RE261071ND



RE272026ND RE272029ND RPIF006 RPIF007 PROV-1010

ORDERING INFORMATION

Model	Filter	Sizes	Media	Mount	#-way	Port Thread	Color
RE272026ND	Tagelus®	480 - 610	Sand	Top	6	1½" BSP	Black
RE272029ND	Tagelus®	762	Sand	Top	6	2" BSP	Black
RE261070ND	Triton® / SR Filter™	480 - 610	Sand	Side	6	1½" BSP	Black
RE261071ND	Triton® / SR Filter™	762 - 914	Sand	Side	6	2" BSP	Black
R14965TM10E	Cristal-Flo™ TM	380 - 600	Sand	Top	4	1½" BSP	Black
R14965TM10	Cristal-Flo™ TM	380 - 600	Sand	Top	6	1½" BSP	Black
RE261069B	Cristal-Flo™ SM	430 - 600	Sand	Side	6	1½" BSP	Black
RE272029ND	Cristal-Flo™ SM	760	Sand	Top	6	2" BSP	Black
RE261071ND	Cristal-Flo™ SM	760	Sand	Side	6	2" BSP	Black
RPIF006	Poseidon	500 - 600	Sand	Side	6	1½" BSP	Black
RPIF007	Poseidon	800	Sand	Side	6	2" BSP	Black
PROV-1010	Triton	All Triton + Pro Valve	Sand	Side	2	2" BSP	Black

Automatic Multiport Valve

E-25-8001	Aquastar Automatic multipoint valve 1.5"
E-25-8002	Aquastar Automatic multiport valve 2"

FILTER VALVES

1½ & 2 IN. BACKWASH VAVLES FOR SIDE MOUNT FILTERS



Multiport Valve Kit 261055

FEATURED HIGHLIGHTS

- PVC body.
- The right valve for easy operation.
- Six-position, positive-lock operation.
- Special winterizing position.

Side mounted HiFlow and Multiport valves are designed for maximum performance and working pressures. Available in 1½ and 2 in. threaded or slip models.

ORDERING INFORMATION

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
Multiport Valve Kit For Filters, Slip			
261173	1½ in. MPV, for Triton II	1	8
261055	2 in. MPV, for Triton II	1	9

1½ AND 2 IN. BACKWASH VALVES FOR TOP MOUNT SAND FILTERS



262506



262505



261185

FEATURED HIGHLIGHTS

- ABS body.
- Large, one-piece handle for trouble-free operation.
- Six-position, positive-lock operation.
- Heavy-duty diverter.
- Special winterizing position.

The top mounted HiFlow and Multiport valves are designed for maximum sand filter backwash performance and precise water flow. Available in 1½ and 2 in. threaded.

ORDERING INFORMATION

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
Top Mount Multisport Valves			
261124	1½ in. TA Valve, "V" thread (TM 12-A), 6 in. Neck Size [1]	1	7
262504	1½ in. TA Valve, Buttress thread (TM 12-B), 6 in. Neck Size [2]	1	7
262505	1½ in. TA to TA D Conversion Kit w/ valve, , 6 in. Neck Size [1]	1	9
261185	2 in. TA D (TA 100D only), clamp, 8 in. Neck Size	1	7
262506	1½ in. TA D (TA 30/40/50/60D), clamp, 6 in. Neck Size [1]	1	7
263085	2 in. (TA60, SD80, CFII26), clamp, 6 in. Neck Size without unions	1	10
262525	2 in. (TA60, SD80, CFII26), clamp, 6 in. Neck Size with unions	1	10

[1] For filters manufactured before 12-1-91.

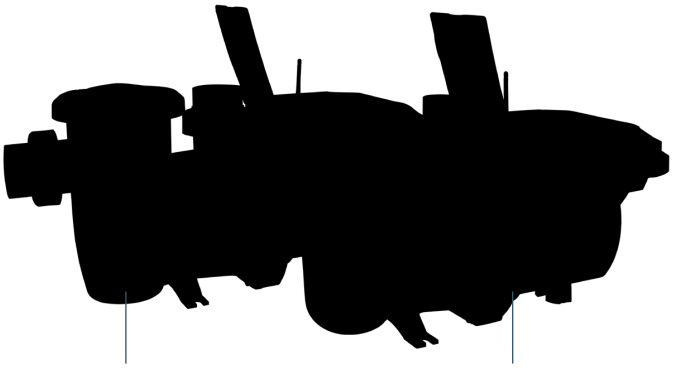
[2] For filters manufactured after 12-1-91.

INTELLIFLO3® VSF

VARIABLE SPEED AND FLOW PUMP



Optional touchscreen for more flexible control.



IntelliFlo3 3.0 HP Variable Speed & Flow Pump

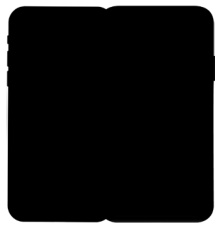
IntelliFlo3 1.5 HP Variable Speed & Flow Pump

This pump combines true set-it-and forget-it patented flow technology paired with smart connectivity of the Pentair Pool app. The proprietary combination of variable speed plus auto-regulated flow means all good things flow from the IntelliFlo3 pool pump—for your customers and for your business. Small pool or big, this pump is a simple, smart, worry-free way to give pool owners the effortless, inviting pool experience they expect.

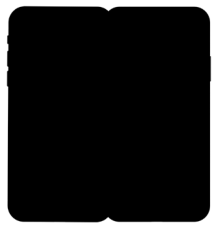
FEATURED HIGHLIGHTS

- Proprietary flow technology maintains the pool's optimal flow
- Easy control via the Pentair Pool app or optional touchscreen
- Up to 90% energy savings*
- New motor, drive, and hydraulics
- Optional onboard automation
- Optional onboard automation
- Easy setup and remote updates





Pentair Pool app: pool owners can access the pool anytime, anywhere.



Pentair Pro app: ability to control and remotely monitor.

ORDERING INFORMATION

Product	Model	Voltage	Full Load Amps	kW	HP	SF	WEF	FREQ.	Certifications [3]	Port Size (NPT)	Carton Wt. (kg)
INTELLIFLO3 VARIABLE SPEED AND FLOW POOL PUMP (3 HP MODEL)											
011075	IntelliFlo3 VSF 3HP	230	12.4-11.2	2.2	3	1.32	7.1	50hz/60hz	UL [1], NSF [2]	2 in. x 2 in.	25
011076	IntelliFlo3 VSF 3.0 HP with relay board*	230	12.4-11.2	2.2	3	1.32	7.1	50hz/60hz	UL [1], NSF [2]	2 in. x 2 in.	25
011077	IntelliFlo3 VSF 3.0 HP with touchscreen*	230	12.4-11.2	2.2	3	1.32	7.1	50hz/60hz	UL [1], NSF [2]	2 in. x 2 in.	25
011078	IntelliFlo3 VSF 3.0 HP with touchscreen and relay board*	230	12.4-11.2	2.2	3	1.32	7.1	50hz/60hz	UL [1], NSF [2]	2 in. x 2 in.	25
INTELLIFLO3 VARIABLE SPEED AND FLOW POOL PUMP (1.5 HP MODEL)											
011065	IntelliFlo3 VSF 1.5HP	230	12/6.4-5.9	1.1	1.5	1.32	9.4	50hz/60hz	UL [1], NSF [2]	1.5 in. x 1.5 in.	21.7
011066	IntelliFlo3 VSF 1.5 HP with relay board*	230	12/6.4-5.9	1.1	1.5	1.32	9.4	50hz/60hz	UL [1], NSF [2]	1.5 in. x 1.5 in.	21.7
011067	IntelliFlo3 VSF 1.5 HP with touchscreen*	230	12/6.4-5.9	1.1	1.5	1.32	9.4	50hz/60hz	UL [1], NSF [2]	1.5 in. x 1.5 in.	21.7
011068	IntelliFlo3 VSF 1.5 HP with touchscreen and relay board*	230	12/6.4-5.9	1.1	1.5	1.32	9.4	50hz/60hz	UL [1], NSF [2]	1.5 in. x 1.5 in.	21.7

[1] 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

[2] 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

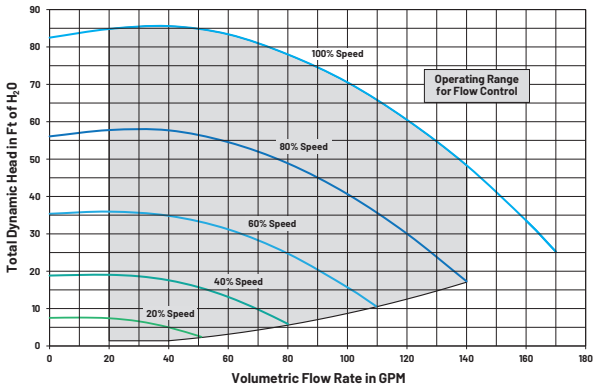
[3] Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

INTELLIFLO3® VSF

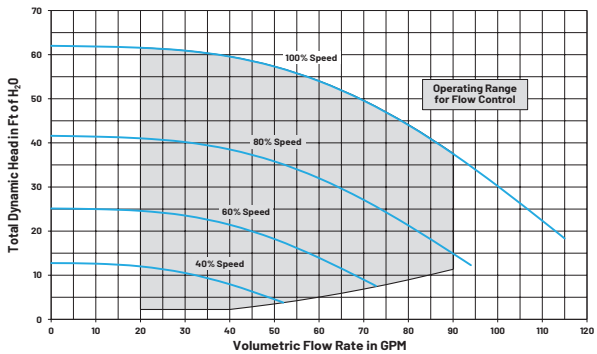
VARIABLE SPEED AND FLOW PUMP

Product	Description
INTELLIFLO3 ADD ONS	
56159Z	IntelliFlo3 VSF Universal Touchscreen Add On
356365Z	IntelliFlo3 VSF Optional Universal Relay Board Kit
358163Z	50 ft 2 Conductor Automation Cable
410009	2.5" Sweep Elbow Pump Kit
410029	3" Union Kit for 3 HP Pumps
3511571	1-1/2" Internal Slip x 2" External Slip Union Kit for 1.5 HP Pumps (includes 2 unions)
357831Z	Retrofit Riser Base Kit for 1.5 HP Models—IntelliFlo and WhisperFlo Models
357832Z	Retrofit Riser Base Kit for 1.5 HP Models—IntelliPro, Max-E-Pro, and Challenger Models
357833Z	Retrofit Riser Base Kit for 3.0 HP Models—IntelliPro, Max-E-Pro, and Challenger Models

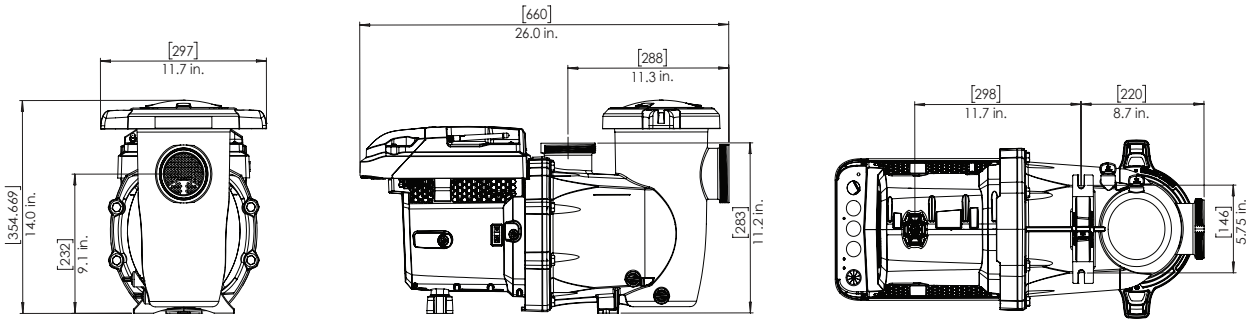
Pump Performance Curves (3 HP Models)



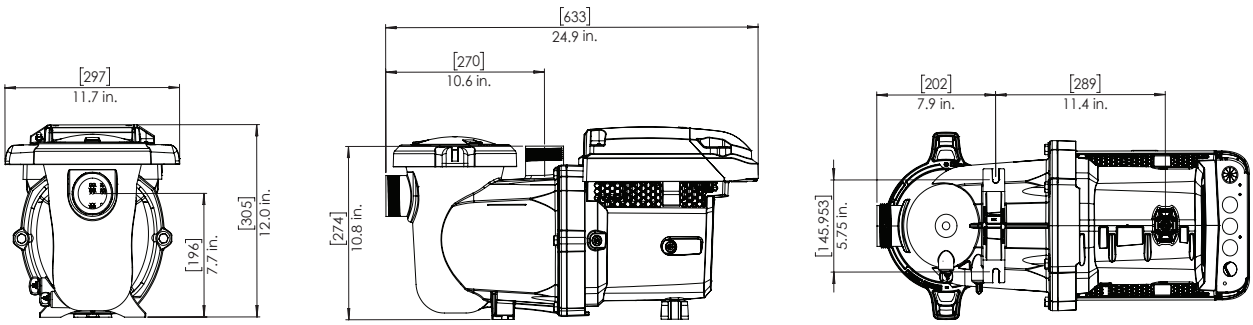
Pump Performance Curves (1.5 HP Models)



Pump Dimensions (3 HP Models)



Pump Dimensions (1.5 HP Models)



INTELLIFLO® VS+SVRS

HIGH PERFORMANCE PUMPS



IntelliFlo VS+SVRS
High Performance Pump



This product may be protected by one or more of the following US Patents and all corresponding foreign counterparts: 8,313,306; 8,469,675; 8,602,743; 8,573,952; 8,602,745 8,043,070; 7,686,587; 7,854,597; 9,243,413; D568,340; D606,562, D611,430

IntelliFlo pumps combine variable speed technology, onboard digtital intelligence and permanent magnet motors (used in hybrid cars) to reduce pump-related energy costs by up to 90%. The IntelliFlo VS+SVRS pump models were the first swimming pool pumps to feature a built-in Safety Vacuum Release System that detects drain blockage and automatically shuts the pump off.

FEATURED HIGHLIGHTS

- Ability to program exact pump speeds for specific operations – filtering, heating, cleaning, spa jets, water features and more
- SVRS complies with Virginia Graeme Baker Safety Act
- Built-in diagnostics protect the IntelliFlo pump from the most common causes of premature failure – overheating, freezing, and voltage irregularities.
- Includes priming protection. No SVRS calibrations needed. Built-in SVRS cannot be turned off.
- Safety lock-out feature (password protected) prevents pump speed settings from being changed by unauthorized personnel
- Ability to set minimum and maximum speeds so pump will only operate within the ranges set to help assure safe operation and long life
- Compatible with Pentair Automation Systems
- Compliant with the current ASME A112.19.17 Standard for Safety Vacuum Release Systems (SVRS)
- Operates seamlessly on 50 hz or 60 hz input power. Flow/speed are constant when operating on 50hz or 60 hz.
- WEF 6.1 THP 3.95

ORDERING INFORMATION

Product	Model	Voltage	Full Load Amps	kW	HP	SF	SFHP	FREQ.	Primary Listings and Certifications [6]	Port Size (NPT)	Carton Wt. (Lbs.)
Energy Efficient Variable Speed With Safety Vacuum Release System											
011057	IntelliFlo VS+SVRS	230	16	3.2	3	1.32	3.95	50hz/60hz	UL [1], NSF [2], CSA [3], ASME [4], ETL, APSP [5]	2 in. x 2 in.	55
Accessories											
521109	IntelliCom 2 - Rated 9 - 30 V DC with 4 inputs										1
350122	Communication Cable - 50 ft. - Included with pump										2
350250Z	SVRS KIT - Allows use of discharge check valves with SVRS pump										1
Unions											
11201-0154	2 in. x 2 in. Union (2 in. NPT male x 2 in. female NPT quick connect) * Note: two required per pump (sold individually)										2

[1] 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

[2] 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

[3] 'CSA' indicates that pump bears a CSA mark signifying evaluation to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

[4] 'ASME' indicates that pump bears a specific mark signifying evaluation to ASME/ANSI Standard A.112.19.17 Manufactured Safety Vacuum Relief System (SVRS).

[5] 'APSP' Pump has been evaluated to ANSI/APSP/ICC-15 and California Title 20 and is certified to use on Residential Swimming Pool Filtration Systems.

[6] Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

Note: Pump must be used with current collectors when installed on spas or hot tubs in Canada.

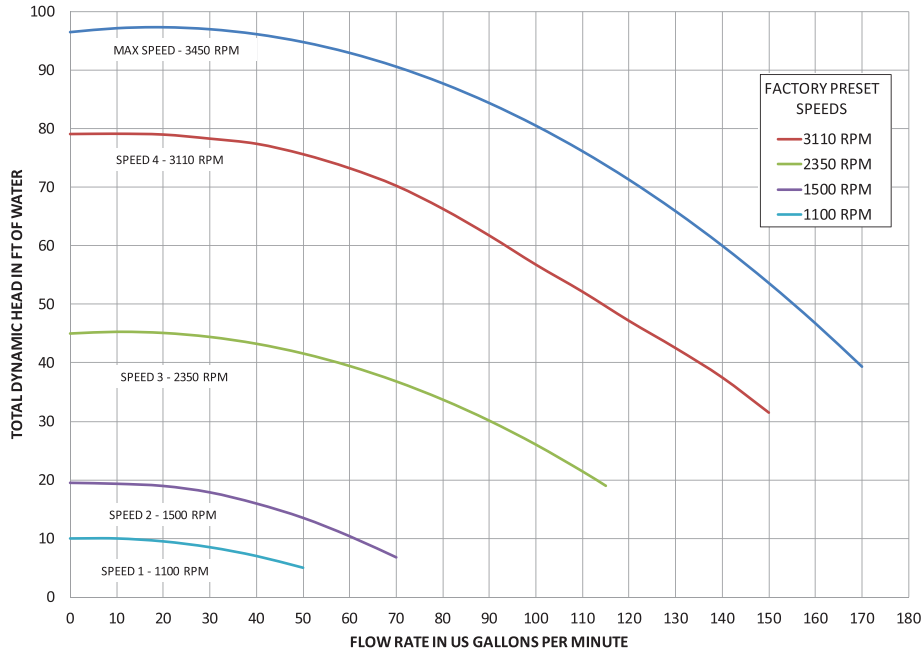
• Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of $0.16 per kWh in a 20,000 gallon pool. Actual savings may vary based on local utility rates, pool size, pump run time, pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors.

Refer to catalog page 48 for a selection of 2-Pole GFCI breakers which offer 6 milliamp personnel protection while meeting 2008 to Current NEC Standards for Pool Pumps.

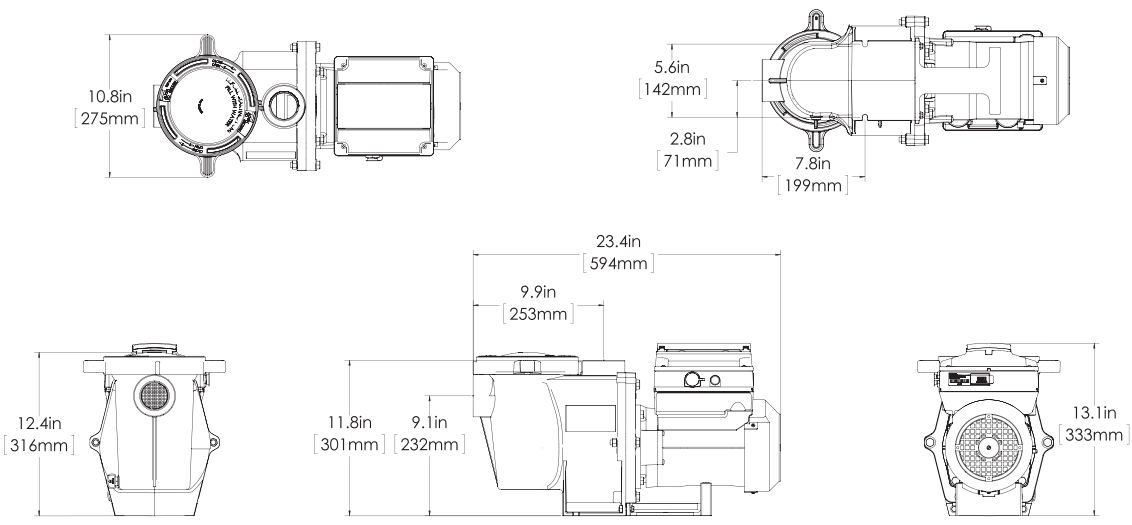
INTELLIFLO® VS+SVRS

HIGH PERFORMANCE PUMPS (CONT'D)

DIMENSIONS AND PERFORMANCE



Note: **IntelliFlo VS+SVRS minimum speed is 1100 RPM**



INTELLIFLO® XF VSF

THE ULTIMATE PERFORMANCE FOR LARGE AND FEATURE-RICH POOLS



FEATURED HIGHLIGHTS

- Eight programmable speed or flow settings and built-in timer
- Rotatable keypad with optional wall mount kit (sold separately)
- Top-mounted field wiring compartment is easier to access and connect
- Totally enclosed fan-cooled design keeps motor shielded from the elements for extended life
- Menus are easier than ever to use
- Union connectors included for connecting directly to 2.5» or 3» plumbing
- Consistently maintains system flow requirements
- Compatible with Pentair Automation

IntelliFloXF VSF pump is the first variable speed and flow pump that adjusts to changes in flow system conditions to maintain its programmed flow rate. With its available performance and efficiency, it is perfectly suited for large and feature rich pools with high flow demand.

ORDERING INFORMATION

Product	Model	Voltage	Full Load Amps	kW	HP	SF	SFHP	FREQ.	Primary Listings and Certifications [6]	Port Size (NPT)	Carton Wt. (Lbs.)
Energy Efficient Variable Speed With Safety Vacuum Release System											
022056	IntelliFloXF VSF	230	16	3.2	3	1.32	3.95	50hz/60hz	UL [1], NSF [2], APSP [5]	2.5 in. x 2.5 in. or 3 in x 3 in	55
Accessories											
400012	XF Riser Base - Simplifies installation of XF-series pumps in applications where Challenger pumps are being replaced.										
521109	IntelliCom 2 - Rated 9 - 30 V DC with 4 inputs										1
350122	Communication Cable - 50 ft. - Included with pump										2
356904Z	Keypad Relocation Kit										2

[1] 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

[2] 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

[3] 'CSA' indicates that pump bears a CSA mark signifying evaluation to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

[4] 'ASME' indicates that pump bears a specific mark signifying evaluation to ASME/ANSI Standard A.112.19.17 Manufactured Safety Vacuum Relief System (SVRS).

[5] 'APSP' Pump has been evaluated to ANSI/APSP/ICC-15 and California Title 20 and is certified to use on Residential Swimming Pool Filtration Systems.

[6] Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

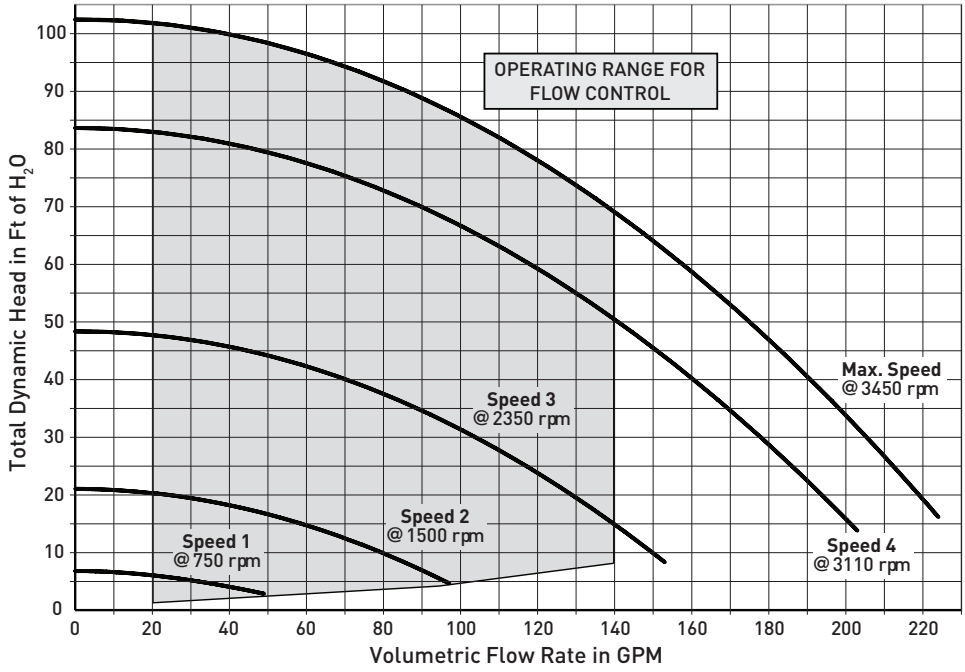
Note: Pump must be used with current collectors when installed on spas or hot tubs in Canada.

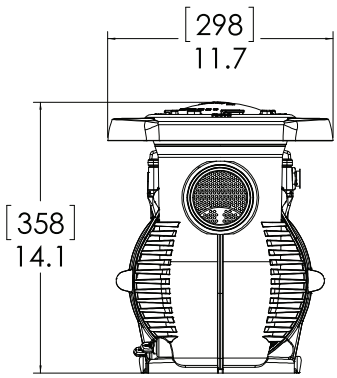
• Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of $0.16 per kWh in a 20,000 gallon pool. Actual savings may vary based on local utility rates, pool size, pump run time, pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors.

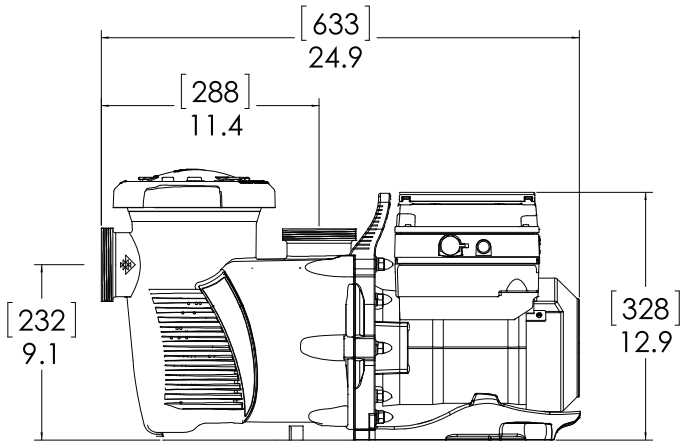
Refer to catalog page 48 for a selection of 2-Pole GFCI breakers which offer 6 milliamp personnel protection while meeting 2008 to Current NEC Standards for Pool Pumps.

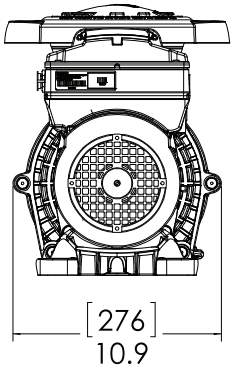
INTELLIFLO® XF VSF

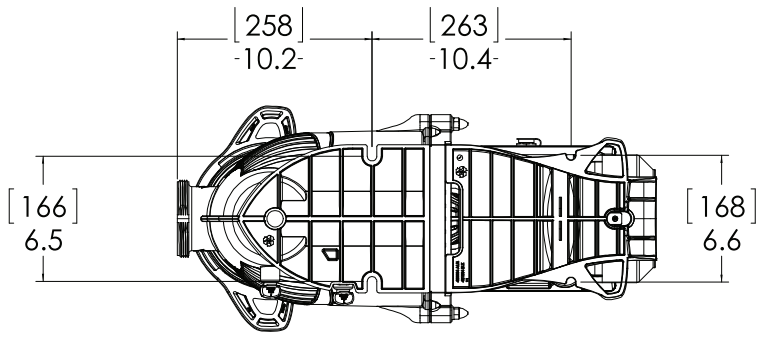
THE ULTIMATE PERFORMANCE FOR LARGE AND FEATURE-RICH POOLS





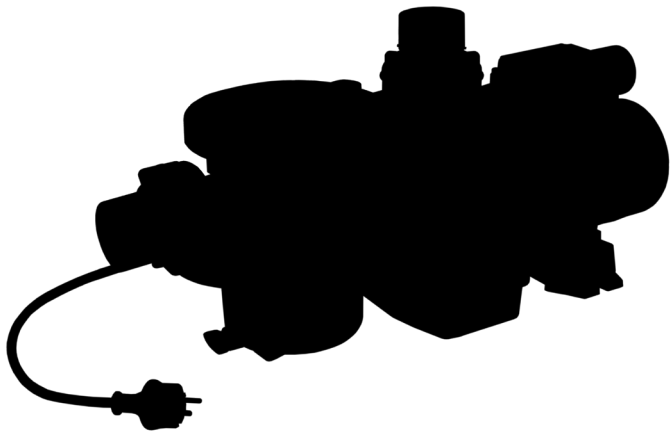






FREEFLO™ 50 Hz

HIGH PERFORMANCE SWIMMING POOL PUMPS



The perfect choice for all types of pools, the **FreeFlo™** was specifically designed to be your best choice for a variety of above-ground and small in-ground pool applications.

Thick walled body parts, a heavy duty motor, and highly engineered hydraulics make this rugged and tested design perfect for any pool. The new FreeFlo is a mono-block design allowing it to run more silent and requiring less footprint space. FreeFlo is a drop in replacement for the Swimmey Pump series.

FEATURED HIGHLIGHTS

- Single piece, transparent Cam and Ramp™ lid for easy cleaning access and maintenance.
- Swivel union fittings for better sealing and more flexibility at installations.
- Unions included 50mm ID.
- Discharge is 90 rotatable.
- 1.5 meter long cord with EU plug included for ease of installation.
- TEFC motor for long life, IP55 rated motor Thermally protected.
- 304SS Shaft extension.
- Self-priming for quick, easy start-up.
- Additional drain plug for servicing pump housing.
- Large basket to hold debris made in HDPE for long life and durability.

ORDERING INFORMATION

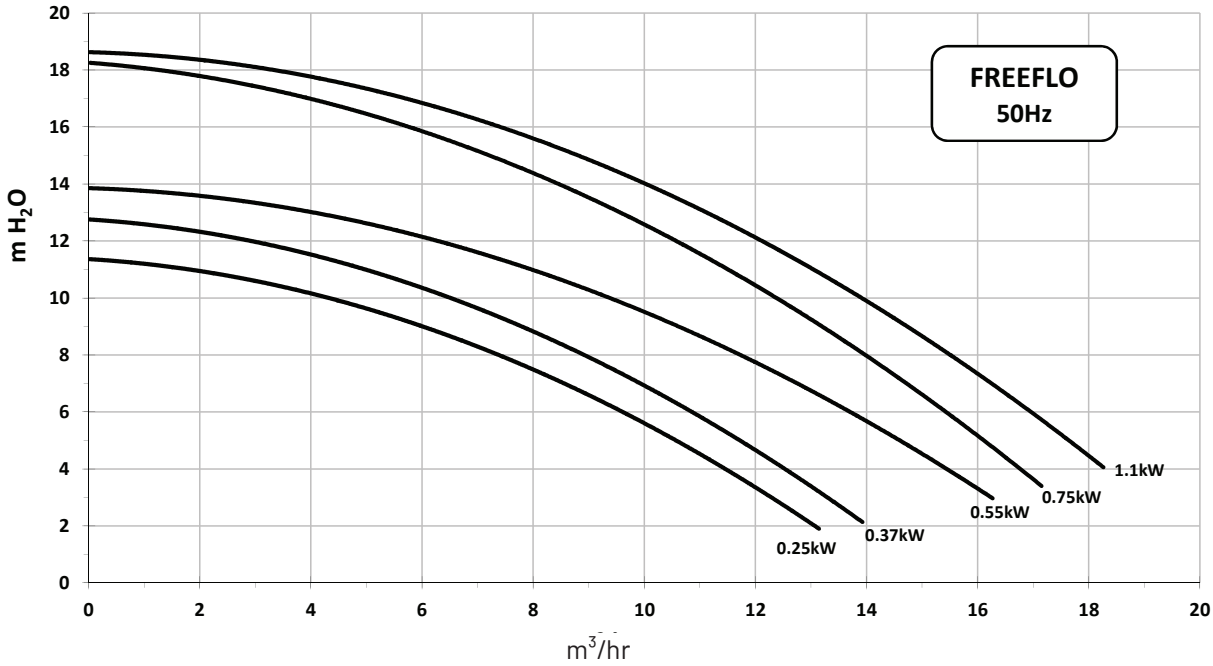
Model	kW	HP	Volt	Phase	Length (cm)	Width (cm)	Height (cm)	Weight (kg)
FreeFlo™ 50Hz								
FFL-031	0.25	1/3	220-240V	1~	645	240	325	10.0
FFL-051	0.375	1/2	220-240V	1~	645	240	325	10.5
FFL-071	0.55	3/4	220-240V	1~	645	240	325	11.5
FFL-101	0.75	1	220-240V	1~	645	240	325	12.5
FFL-151	1.1	1.5	220-240V	1~	690	240	325	14.5

Union kit included (R0018- 2pcs)

FREEFLO™ 50 Hz

HIGH PERFORMANCE SWIMMING POOL PUMPS

DIMENSIONS AND PERFORMANCE





Model	A mm
FFL-031	540
FFL-051	540
FFL-071	562
FFL-101	562
FFL-151	600

SUPERMAX 60 Hz

SINGLE SPEED - 30-80 M^3



FEATURED HIGHLIGHTS

- 100% Made by Pentair in our Pisa, Italy plant
- Induction asynchronous motor
- Bi-material shaft with Stainless Steel AISI 316 drive-end
- SKF high temperature sealed bearings
- High efficiency single and three phase motors.
- I P-X5

FEATURES

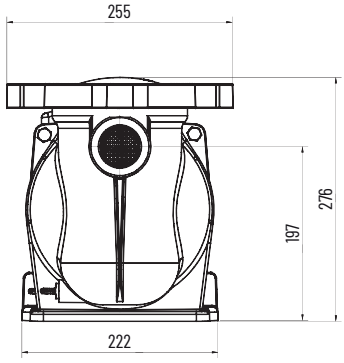
BENEFITS

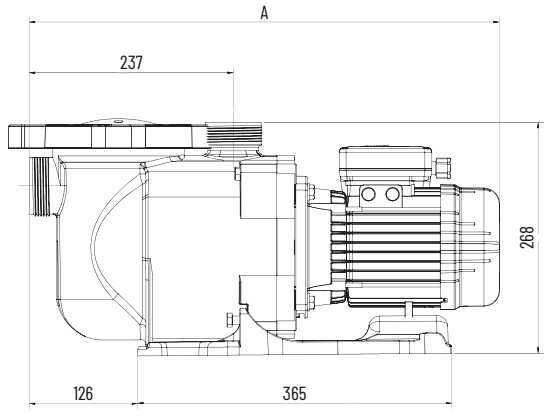
XL strainer basket →	Longer periods between cleanings
1/4 turn opening lid →	Easy opening and locking
Quick self priming →	Quick and safe start of the pump
One-piece pump body →	Super silent
EPDM mechanical seal →	Excellent heat, ozone and and aging resistance

DIMENSIONS AND PERFORMANCE

Model	kW/HP	Flow @8m (m^3/h)	Power Input (V)	Power Input (Hz)	Full Load (A)	Efficiency	P1 (W)	Length dim A (mm)
WhisperFlo™ 60Hz								
S5P1RD-61	0.75	14	1~230	60	5.4	D	1100	545
S5P1RE-61	1	19	1~230	60	7	D	1500	545
S5P1RF-61	1.5	21	1~230	60	8.4	D	1800	575
S5P1RG-61	2	23	1~230	60	9.3	D	2000	575
S5P1RH-61	3	27	1~230	60	9.6	D	2100	575
S5P5RH-63	3	27	3~230/400	60	3.5	D	2000	575

*as defined by EN17645

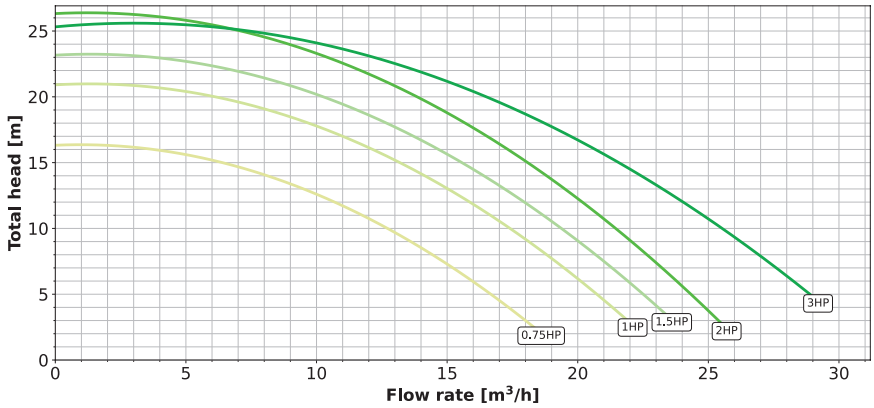




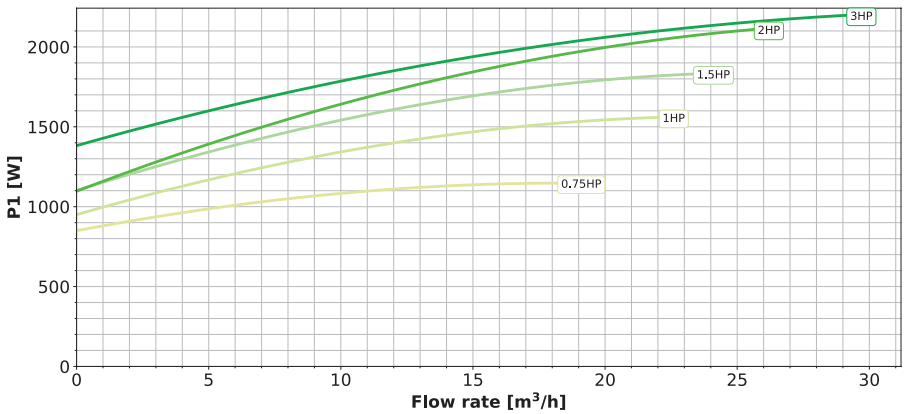
SUPERMAX 60 Hz

SINGLE SPEED - 30-80 M^3

PERFORMANCE



POWER CONSUMPTION



SUPERFLO

SINGLE SPEED SWIMMING POOL PUMPS



FEATURED HIGHLIGHTS

- Bi-material shaft with Stainless Steel AISI 304 drive-end
- SKF sealed bearings
- Thermal protection (single phase), IE2 compliant (tri-phase <0.75kW), IE3 compliant (tri-phase >0.75kW)
- IP-X5
- Inlet/Outlet - 1.5" BSP tapped
- Ø Unions - 50 mm
- Unions included - No
- Salt resistancy - 0.40%

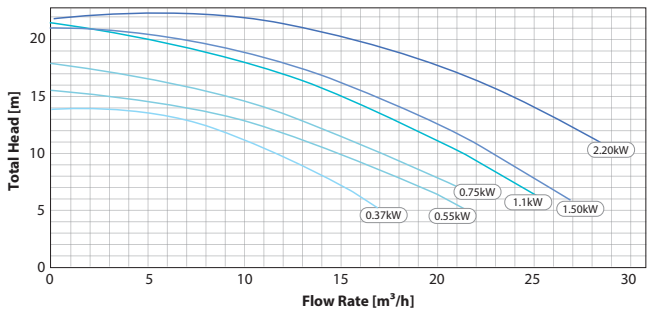
FEATURES

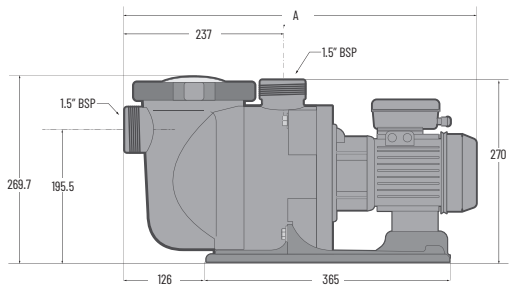
BENEFITS

XL pre filter basket	Longer periods between cleanings
1/4 turn opening lid	Easy opening and locking
Quick self priming	Quick and safe start of the pump
One-piece pump body	Super silent

DIMENSIONS AND PERFORMANCE

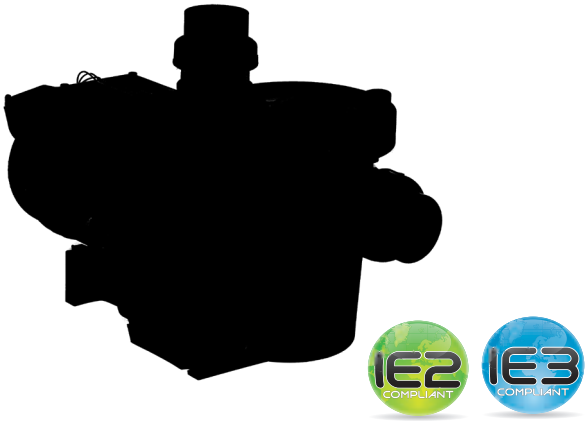
Model	Flow	Power Output	Full Load	Volt	Phase	Length	Weight
	m³/hr @ 8m	(kW/HP)	(A)	(V)		(A) (mm)	(Kg)
P-SFL-051E2	12	0.37/0.5	2.7	220-240	1~	545	13.8
P-SFL-071E2	15	0.55/0.75	4.4	220-240	1~	545	14.1
P-SFL-101E2	18	1.1/1	5	220-240	1~	545	14.6
P-SFL-151E2	21	1.4/1.5	6.2	220-240	1~	575	15.6
P-SFL-201E2	23	1.5/2	6.7	220-240	1~	575	17
P-SFL-301E2	29	2.1/3	9.6	220-240	1~	575	23.3
P-SFL-073	15	0.55/0.75	3.1-1.8	380-420	3~	545	12.5
P-SFL-103E3	18	0.75 / 1	3.3-1.9	380-420	3~	545	13.9
P-SFL-153E3	21	1.1/1.5	4.3-2.4	380-420	3~	575	22.3
P-SFL-203E3	23	1.5/2	6.0-2.7	380-420	3~	575	23.9
P-SFL-303E3	29	1.75/3	6.45-3.3	380-420	3~	575	30





WHISPERFLO

SINGLE SPEED SWIMMING POOL PUMPS



FEATURED HIGHLIGHTS

- Induction asynchronous motor
- Bi-material shaft with Stainless Steel AISI 304 drive-end
- SKF sealed bearings
- Thermal protection (single phase), IE2 compliant (tri-phase <0.75kW), IE3 compliant (tri-phase >0.75kW)
- IP-X5
- Inlet/Outlet - 2" BSP tapped
- Ø Unions - 50 mm or 63 mm
- Unions included - No
- Salt resistancy - 0.40%

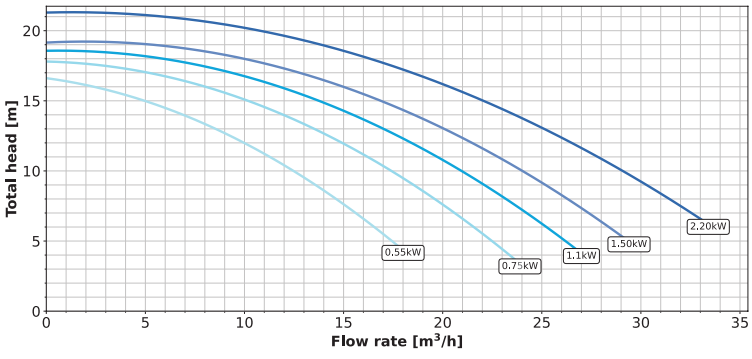
FEATURES

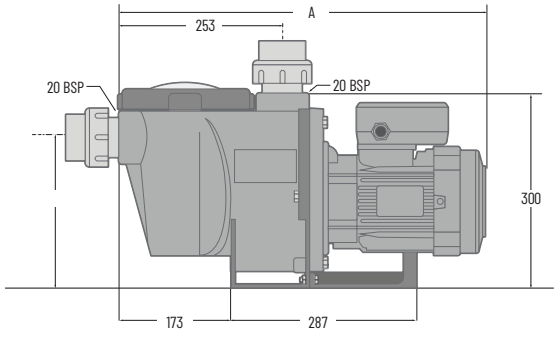
BENEFITS

1/4 turn opening lid	Easy opening and locking
Quick self priming	Quick and safe start of the pump
One-piece pump body	Super silent

DIMENSIONS AND PERFORMANCE

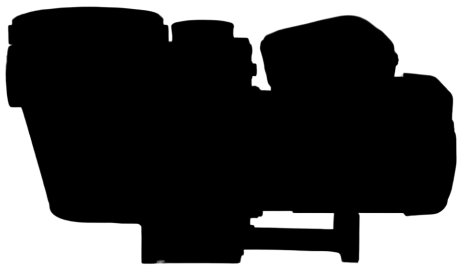
Model	Flow	Power Output	Full Load	Volt	Phase	Length	Weight
	m³/hr @ 8m	(kW/HP)	(A)	(V)		(A) (mm)	(Kg)
P-WFL-071E2	15	0.55 / 0.75	4.4	220-240	1~	545	14.1
P-WFL-101E2	19	0.75 / 1	5.1	220-240	1~	545	14.6
P-WFL-151E2	23	1.3 / 1.5	5.6	220-240	1~	575	15.6
P-WFL-201E2	24	1.4 / 2	6.6	220-240	1~	575	17
P-WFL-301E2	32	1.8 / 3	8.5	220-240	1~	575	23.3
P-WFL-073	15	0.55/0.75	3.1-1.7	380-420	3~	545	12.5
P-WFL-103E3	19	0.75 / 1	3.3-1.9	380-420	3~	545	13.9
P-WFL-153E3	23	1.1 / 1.5	4.3-2.5	380-420	3~	575	22.3
P-WFL-203E3	24	1.5 / 2	6.5-2.9	380-420	3~	575	23.9
P-WFL-303E3	32	1.75 / 3	6.5-3.3	380-420	3~	575	30





WHISPERFLO

SWIMMING POOL PUMPS



FEATURED HIGHLIGHTS

- Single phase models come with IE3 efficiency motors
- 3 phase models come with TEFC motors
- Oversized strainer basket and volute — industry standard in pool pumps
- Lower HP's deliver higher performance than industry standard
- Compatible with all cleaning systems, various filters, and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications

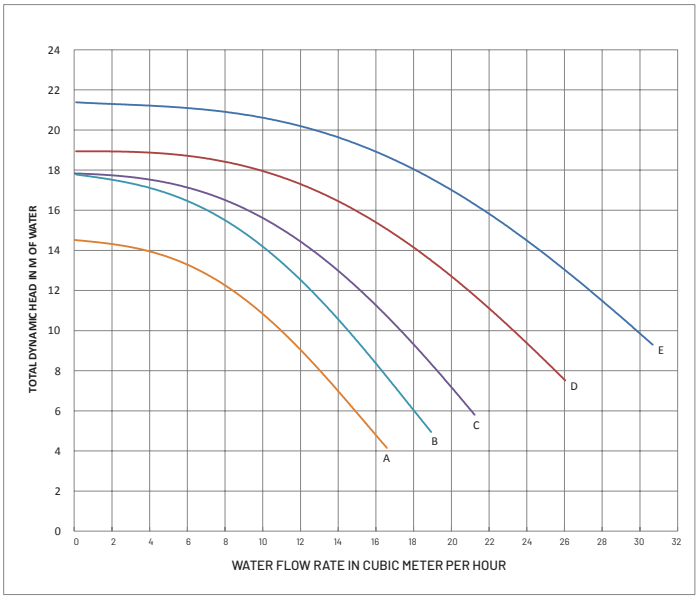
FEATURES → BENEFITS

FEATURES	BENEFITS
1/4 turn opening lid	Easy opening and locking
Quick self priming	Quick and safe start of the pump
One-piece pump body	Super silent

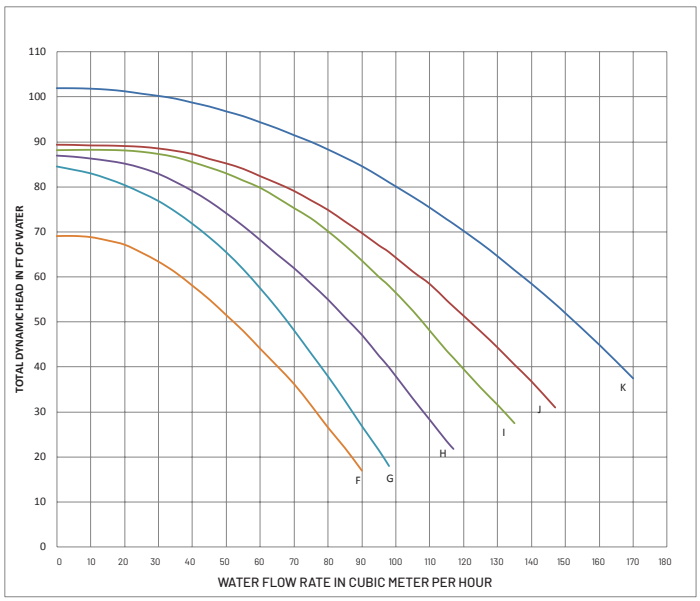
DIMENSIONS AND PERFORMANCE

Model	Power Output (kW/HP)	Full Load (A)	Volt (V)	Phase	Port Size (NPT)	Weight (Kg)	Curve Key
SINGLE PHASE IE3-50HZ							
AP347926-E3	0.5	5.6/2.8	115/230	1~	2x2	19	A
AP347927-E3	0.75	7.2/3.6	115/230	1~	2x2	19	B
AP347928-E3	1	9.6/4.8	115/230	1~	2x2	21	C
AP347929-E3	1.5	6.4	230	1~	2x2	25	D
AP347930-E3	2	8.4	230	1~	2x2	25	E
SINGLE PHASE IE3-60HZ							
AP011511-E3	0.5	3.1-1.7	115/230	1~	2x2	19	F
AP011512-E3	0.75	3.3-1.9	115/230	1~	2x2	19	G
AP011513-E3	1	4.3-2.5	115/230	1~	2x2	21	H
AP011514-E3	1.5	6.5-2.9	230	1~	2x2	25	I
AP011515-E3	2	6.5-3.3	230	1~	2x2	25	J
AP011516-E3	3	6.5-2.9	230	1~	2x2	26	K

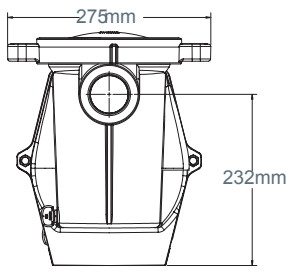
50Hz Performance Curve

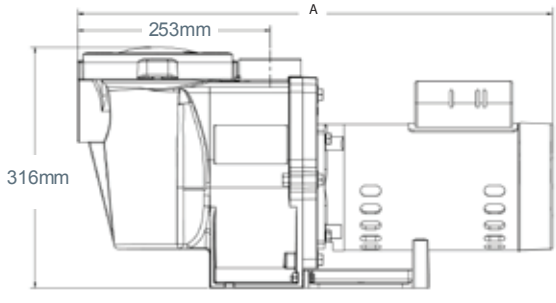


60Hz Performance Curve



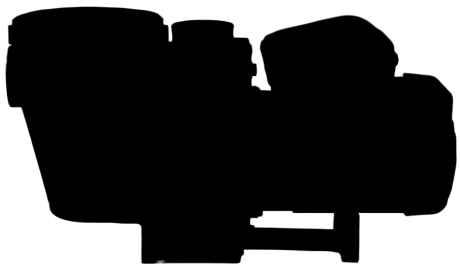
A-VARYING LENGTH		
HP (50Hz)	HP (60Hz)	1 Phase
0.50	0.50	621mm
0.75	0.75	621mm
1	1	621mm
1.51	1.51	642mm
2	2	642mm
-	3	642mm





WHISPERFLO

THREE PHASE - SWIMMING POOL PUMPS



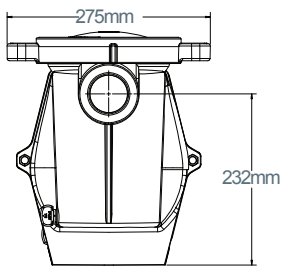
FEATURED HIGHLIGHTS

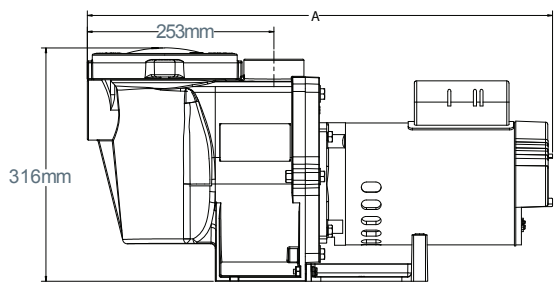
- Oversized strainer basket and volute — industry standard in pool pumps
- TEFC Motors
- Lower HP's deliver higher performance than industry standard
- Lower HP's deliver higher performance than industry standard
- Compatible with all cleaning systems, various filters, and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications

Robust thermoplastic with the Cam & Ramp™ See-Through Lid design. Self-priming, high flow with Funnel-Flo™ Diffusers. 2 in. suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor.

DIMENSIONS AND PERFORMANCE

Model	Power Output (kW/HP)	Hz	Full Load (A)	Volt (V)	Port Size (NPT)	Weight (Kg)	Curve Key
THREE PHASE SUPER-DUTY TEFC - 60/50HZ							
AP011641	1	60	4.9-4.5/2.3	208-230/460V	2x2	21	G
	1	50	2.5-2.4	380-415V			C
AP011642	1.5	60	6.4-6.3/3.2	208-230/460V	2x2	22	H
	1.5	50	3.3-3.2	380-415V			D
AP011643	2	60	7.5-7.2/3.6	208-230/460V	2x2	24	I
	2	50	3.5-3.4	380-415V			E
AP011644	3	60	9.8-8.7/4.7	208-230/460V	2x2	27	J
	3	50	4.5-4.3	380-415V			F



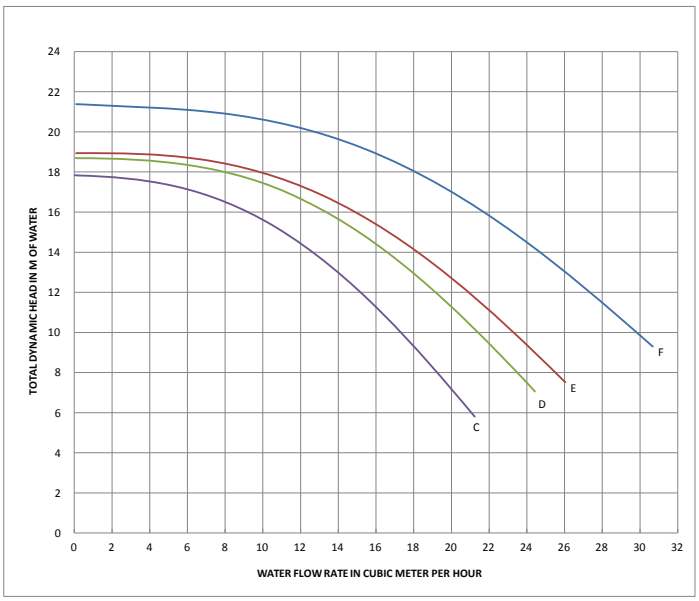


A-VARYING LENGTH	
HP 50/60Hz	3 Phase
1.00/1.00	547mm
1.50/1.50	547mm
2.0/2.0	554mm
3.0/3.0	575mm

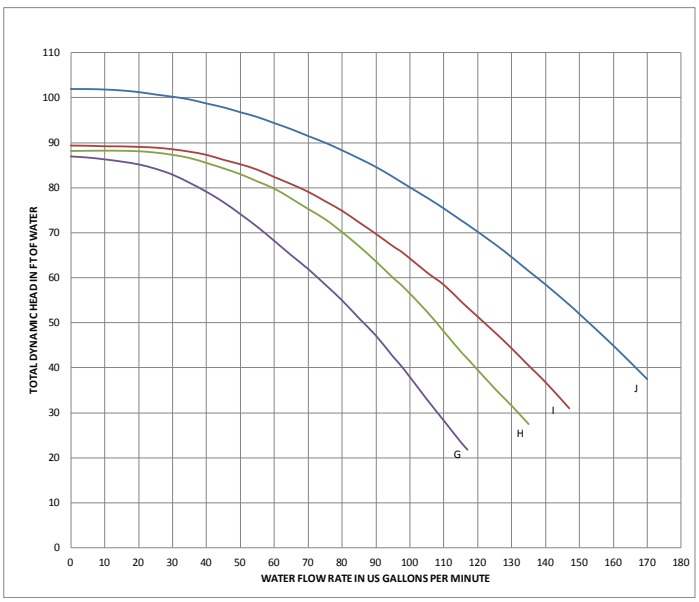
WHISPERFLO

THREE PHASE - SWIMMING POOL PUMPS

50Hz Performance Curve



60Hz Performance Curve



WHISPERFLO - 60Hz

SINGLE SPEED PUMPS- 70-120 M^3



FEATURED HIGHLIGHTS

- 100% Made by Pentair in our Pisa, Italy plant
- Induction asynchronous motor
- Bi-material shaft with Stainless Steel AISI 316 drive-end
- SKF high temperature sealed bearings
- High efficiency single and three phase motors
- IP-X5
- Designed for residential and commercial applications

FEATURES

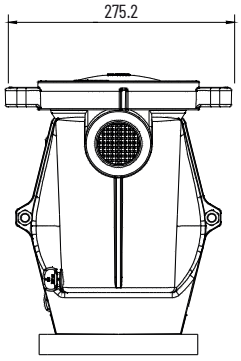
BENEFITS

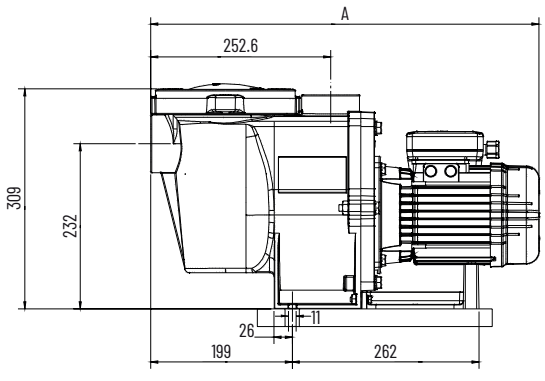
1/4 turn opening lid	Easy opening and locking
Quick self priming	Quick and safe start of the pump
One-piece pump body	Super silent

DIMENSIONS AND PERFORMANCE

Model	kW/HP	Flow @8m (m^3/h)	Power Input (V)	Power Input (Hz)	Full Load (A)	Efficiency	P1 (W)	Length dim A (mm)
WhisperFlo™ 60Hz								
S5P5RE-61	1	22	1~230	60	645	D	1500	545
S5P5RF-61	1,5	25	1~230	60	645	D	1900	575
S5P5RG-61	2	30	1~230	60	645	D	2100	575
S5P5RH-61	3	32	1~230	60	645	D	2300	575
S5P5RH-63	3	32	3~230/400	60	690	D	2300	575

*as defined by EN17645

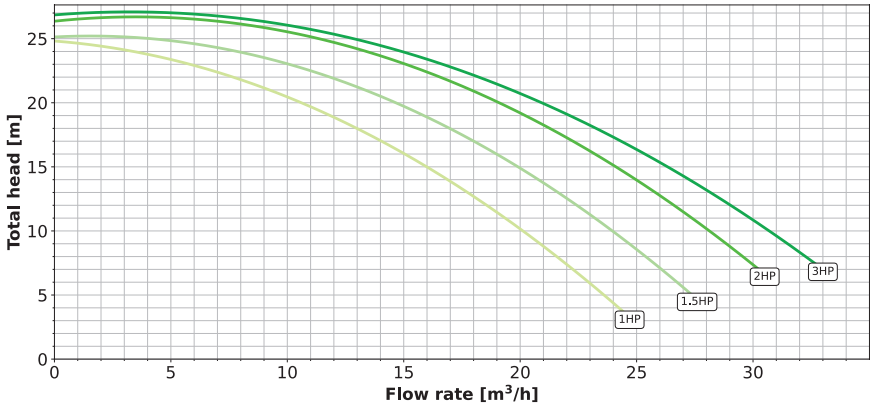




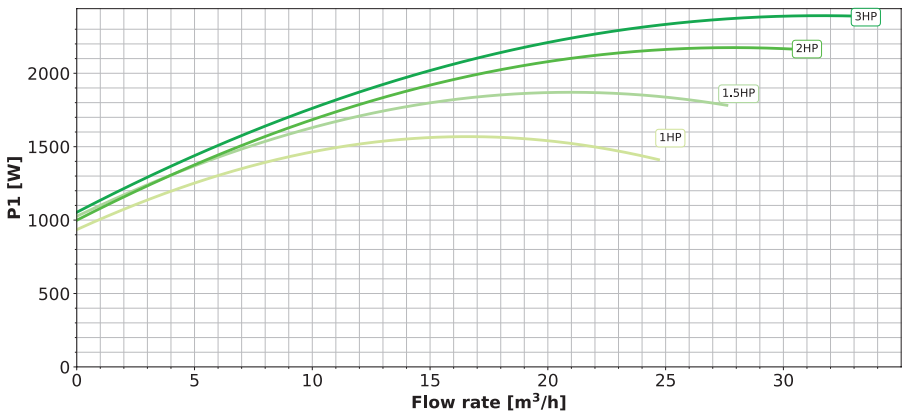
WHISPERFLO - 60Hz

SINGLE SPEED PUMPS- 70-120 M^3

PERFORMANCE

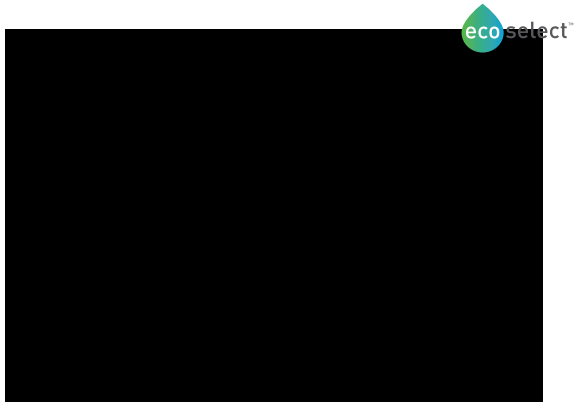


POWER CONSUMPTION



WHISPERFLO® XF VS

THE INNOVATIVE VARIABLE SPEED PUMP YOU NEED FOR YOUR COMMERCIAL POOL



FEATURED HIGHLIGHTS

- Integrated 5HP motor/drive; no expensive external drive required.
- Versatile power input capability; runs off a wide range of single- or three-phase power.
- Speed or flow control for maximum efficiency and pool performance*.
- External control capability through automation systems or relays.
- Intuitive programming and operation.
- Meets commercial codes and agency requirements.
- 2 Year Warranty

The WhisperFloXF VS Commercial Pump is the first five-horsepower variable-speed pool pump that runs on single-phase or three-phase power. It›s an economical, combined motor/drive solution for both HMAC (hotel, motel, apartment, condominium) or large residential installations. The WhisperFloXF VS Commercial Pump provides sophisticated, energy-saving pump technology without the high costs typically associated with independent pump/external drive setups.

ORDERING INFORMATION

Product	Model	Voltage	Frequency	Current	Primary Listings and Certifications [6]	Port Size (NPT)	Carton Wt.
Energy Efficient Variable Speed							
022035	WhisperFloXF VS	Single Phase: 208-230 /277-460 Three Phase: 277-460	50/60	Single Phase: 20-21/17-11 Three Phase: 13-6	UL [1], NSF [2]	2.5 in. x 2.5 in. or 3 in x 3 in	95
Accessories							
400012	XF Riser Base - Simplifies installation of XF-series pumps in applications where Challenger pumps are being replaced.						
356324Z	RS-485 Automation Wiring Kit, 25 ft						1

*When connected to Pentair›s inline 4-20mA flowmeter for 3» plumbing (P/N 97014-4203KIT-sold separately), or similar 4-20mA flowmeters, this pump is capable of maintaining a constant flow based on the needs of your pool system. To connect the flowmeter and pump, the digital input cable provided in the External Control Wiring Kit (P/N 356324Z sold separately) is required.

[1] 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

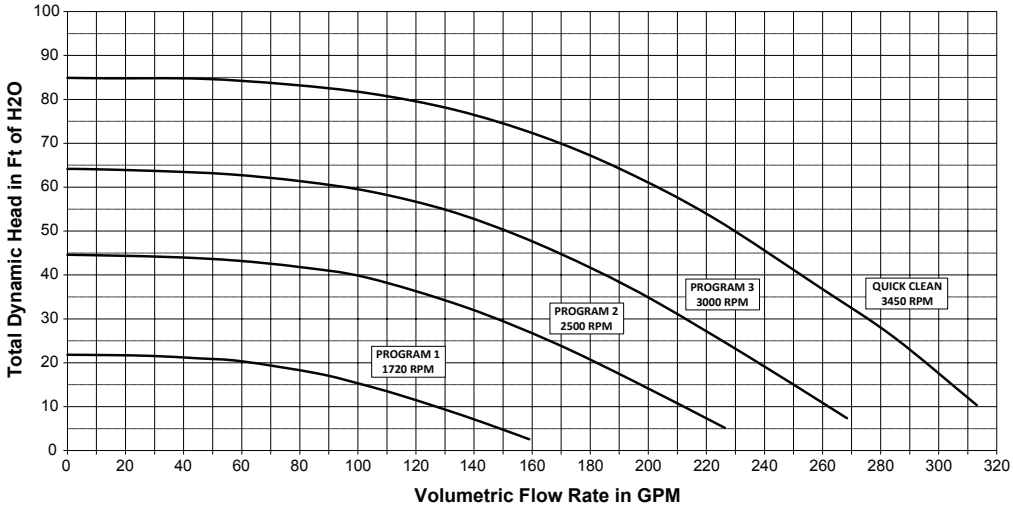
[2] 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

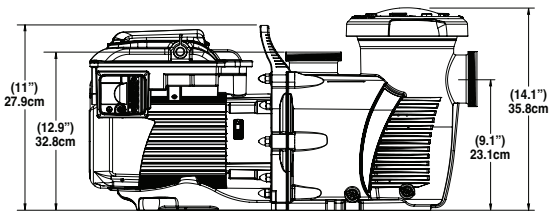
Note: Pump must be used with current collectors when installed on spas or hot tubs in Canada.

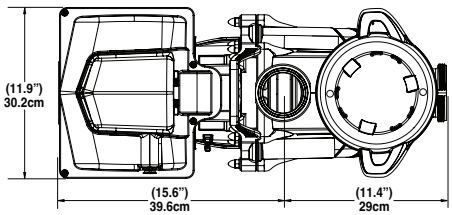
• Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of $0.16 per kWh in a 20,000 gallon pool. Actual savings may vary based on local utility rates, pool size, pump run time,pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors.

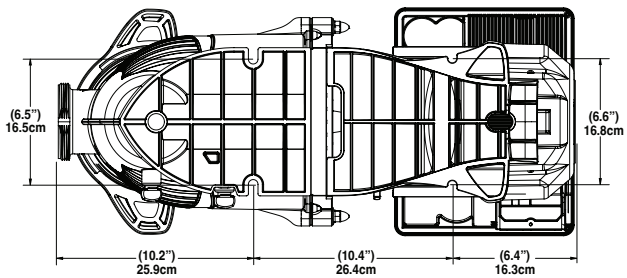
WHISPERFLO® XF VS

THE INNOVATIVE VARIABLE SPEED PUMP YOU NEED FOR YOUR COMMERCIAL POOL









WHISPERFLO-XF

HI PERFORMANCE POOL PUMPS



FEATURED HIGHLIGHTS

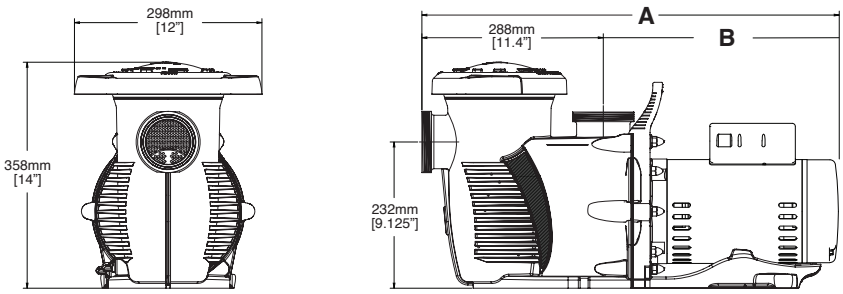
- Drop-in replacement for all WhisperFlo® Pump models.
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection
- Three Phase XF pumps are compatible with Pentair's Acu Drive XS VFD's

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricity for increased efficiency.

PERFORMANCE

Product	Model	Power Output (HP)	Full Load (Hz)	Volt (V)	Phase	Port Size (NPT)	Curve Key
AP022017	XFK-8-AP	2	60	208-230/460V	3	2.5x2.5" OR 3x3"	C
		2	50	380-415V	3		E
AP022018	XFK-12-AP	3	60	208-230/460V	3	2.5x2.5" OR 3x3"	B
		3	50	380-415V	3		D
AP022019	XFK-20-AP	5	60	208-230/460V	3	2.5x2.5" OR 3x3"	A

DIMENSIONS



A-VARYING LENGTH	
HP 50/60Hz	1 Phase
2.00/2.00	692mm
3.0/3.0	692mm
5.0/4.0	727mm

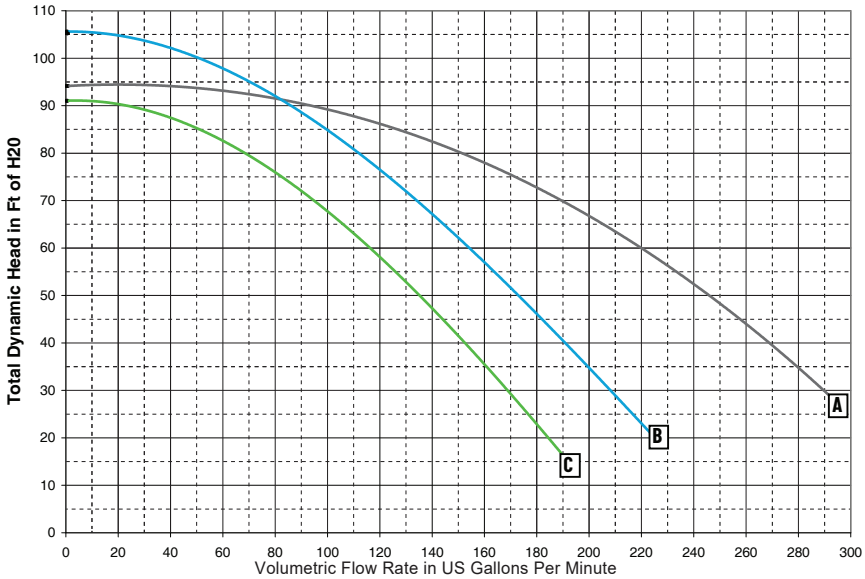
B-VARYING LENGTH	
HP 50/60Hz	1 Phase
2.00/2.00	404mm
3.0/3.0	404mm
5.0/4.0	439mm

WHISPERFLO-XF

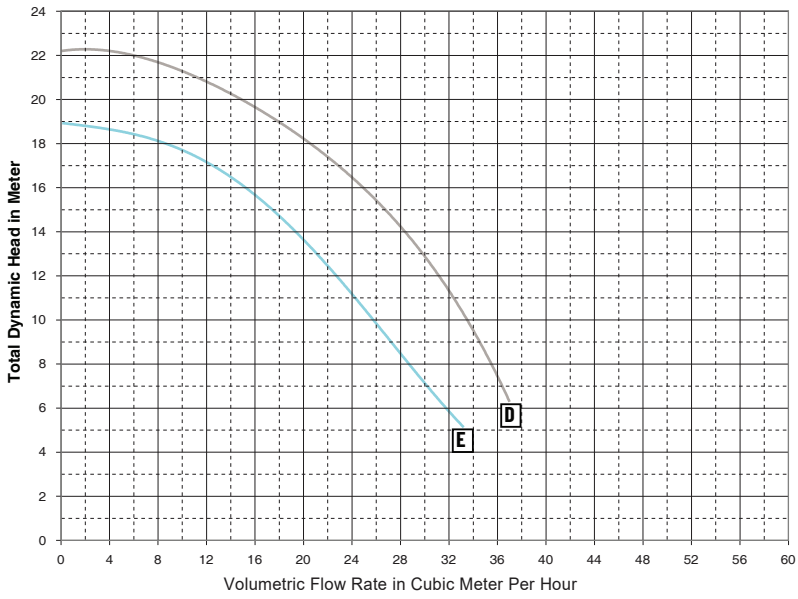
HI PERFORMANCE POOL PUMPS

Dimensions and Performance

60Hz Performance Curve



50Hz Performance Curve



WHISPERFLO-XF

THREE-PHASE SINGLE SPEED PREMIUM EFFICIENCY
WITH SUPER-DUTY MOTOR



FEATURED HIGHLIGHTS

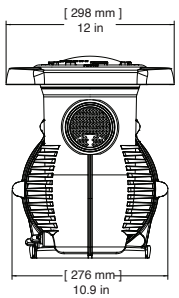
- Bi-material shaft with Stainless Steel AISI 304 drive-end
- Upgraded dual-compartment motor for simplified field wiring
- Hydraulic isolator separates priming water from pumping water for faster priming, more turbulence-free flow and increased efficiency
- Union connectors included for connecting directly to 2.5» or 3» plumbing.

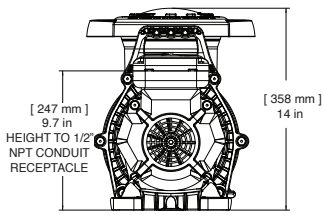
The WhisperFloXF® High Performance Pump brings best-in-class performance, near-silent operation and ultra-reliability to high-capacity pool pumps. The WhisperFloXF pump is a hydraulically advanced, high-capacity pump with outstanding performance from both a maximum-flow and mean-slow perspective, it's perfectly suited for residential pools with water features such as slides and waterfalls, as well as commercial pools.

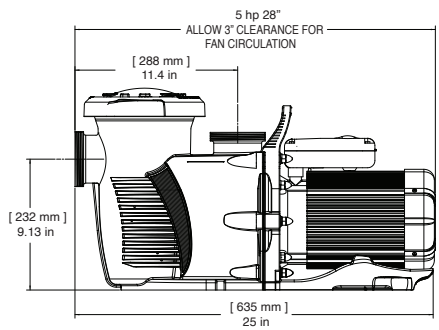
PERFORMANCE

Product	Power Output (HP)	Full Load (Hz)	Volt (V)	Phase	Current (A)	Port Size (NPT)	Curve Key
022019	5	60	208-230/460V	3	13.9-13.16/6.6	2.5x2.5" OR 3x3"	G

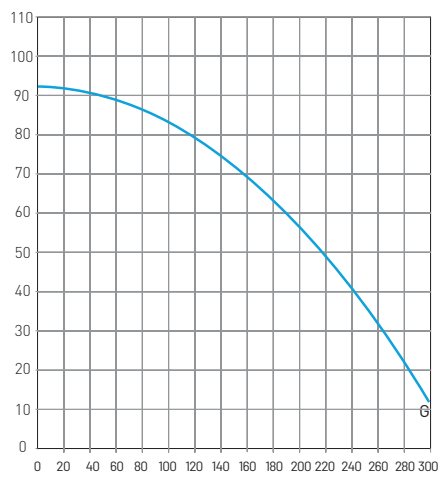
DIMENSIONS





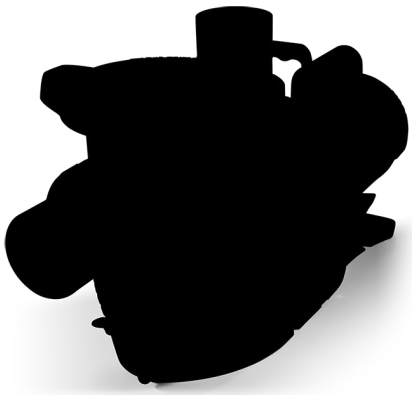


PERFORMANCE CURVES



MAX-E-PRO™ XF

HI PERFORMANCE SWIMMING POOL PUMPS



FEATURED HIGHLIGHTS

- Drop-in replacement for all Max-E-Pro models. Simple replacement for Challenger® pumps.*
- Hydraulic isolator separates priming water from pumping water for faster priming, more turbulent-free flow and increased efficiency.
- Dual-compartment motor for simplified field wiring.
- Union connectors included for connecting directly to 2.5" or 3" plumbing.
- Diamond seals made of oxidation-resistant, selfretaining EPDM rubber for increased durability and tighter seal.
- Extra large, robust basket with smooth surface for easy debris removal.
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection.

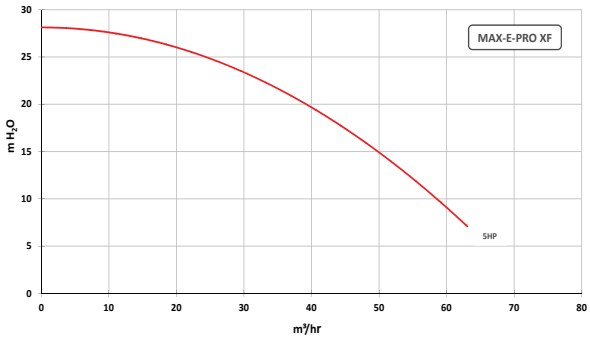
THE MOST POWERFUL, EFFICIENT MAX-E-PRO® EVER

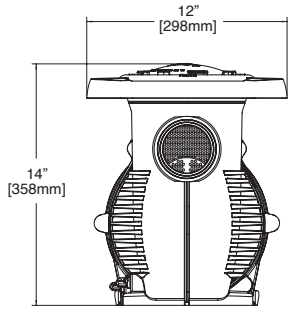
The new Max-E-ProXF™ was developed using the most advanced computer-aided design and manufacturing (CAD/CAM) plus Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA). The proprietary impeller design delivers a higher level of precision concentricity for increased effciency. The proprietary hydraulic isolator smooths the priming water at start-up and also smooths the flow inside the volute, raising the efficiency even higher. With outstanding performance from both a maximum-flow and mean-flow perspective, the Max-E-ProXF is an ideal choice for residential pools with water features such as slides and waterfalls, as well as commercial pools.

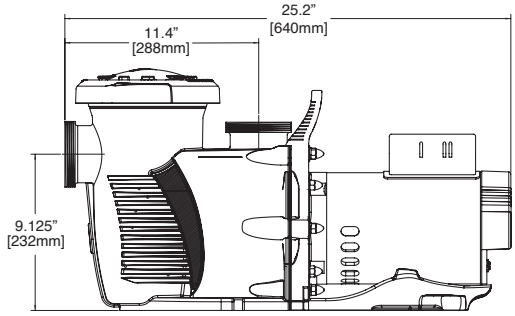
PRODUCT SPECIFICATIONS

Part Number	Description	Voltage	Amps	kW	HP
023019	Max-E-ProXF (XPK-20)	208-230-460V	13.5-12.8/6.4	3.73	5

PACKAGING







MAX-E-PROXF®

THREE PHASE - HIGH PERFORMANCE POOL PUMPS



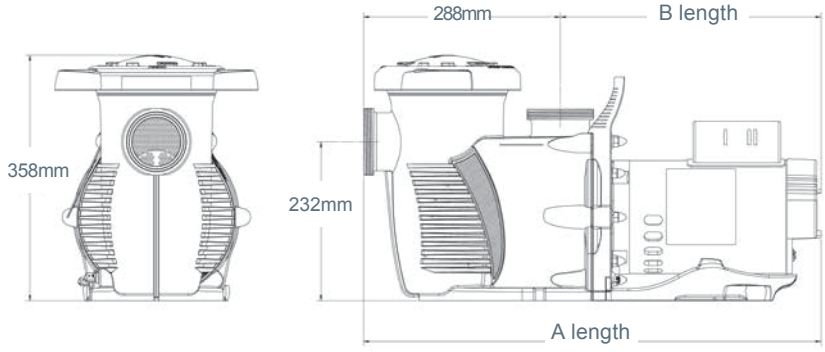
FEATURED HIGHLIGHTS

- Drop-in replacement for all Max-E-Pro® Pump models.
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection
- Three Phase XF pumps are compatible with Pentair's Acu Drive XS VFD's

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricityfor increase efficiency.

PERFORMANCE

Product	Model	Power Output (HP)	Full Load (Hz)	Volt (V)	Phase	Port Size (NPT)	Curve Key
AP023017	XPK-8-AP	2	60	208-230/460V	3	2.5x2.5" OR 3x3"	C
		2	50	380-415V	3		E
AP023018	XPK-12-AP	3	60	208-230/460V	3	2.5x2.5" OR 3x3"	B
		3	50	380-415V	3		D
AP023019	XPK-20-AP	5	60	208-230/460V	3	2.5x2.5" OR 3x3"	A



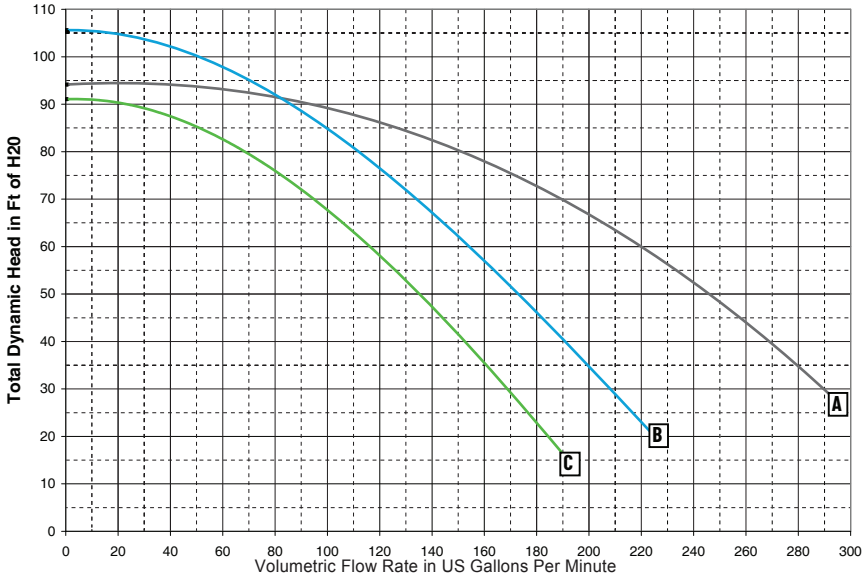
B-VARYING LENGTH	
HP 50/60Hz	3 Phase
2.00/2.00	314mm
3.0/3.0	332mm
5.0	353mm

A-VARYING LENGTH	
HP 50/60Hz	3 Phase
2.00/2.00	602mm
3.0/3.0	620mm
5.0	641mm

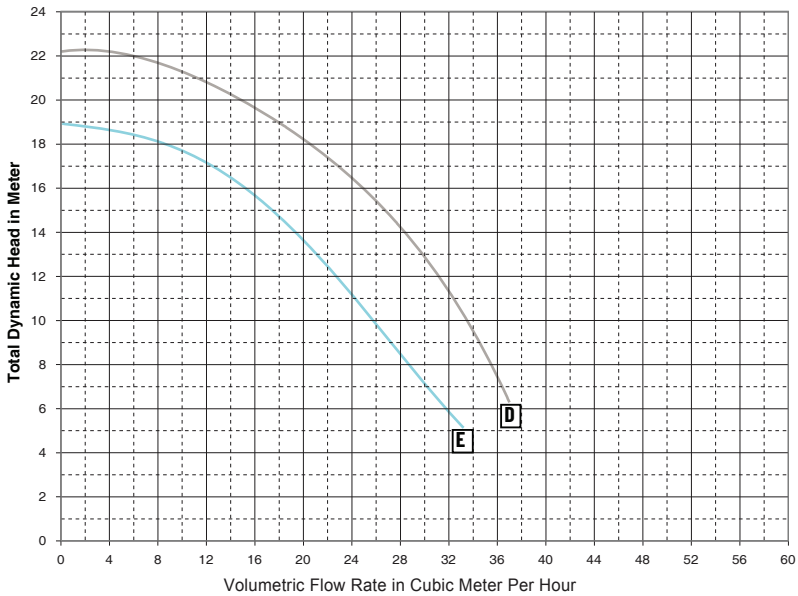
MAX-E-PRO™ XF

HI PERFORMANCE SWIMMING POOL PUMPS

60Hz Performance Curve



50Hz Performance Curve



MAX-E-PRO®

HIGH-EFFICIENCY POOL/SPA PUMPS



FEATURED HIGHLIGHTS

- Typical Installation – Inground pools, pool/spa combinations, inground spas, fountains and water features
- Easy-to-Install – 2 in. ports include external and internal threads for more plumbing options
- Max-E-Pro Pump of water, resulting in lower operating costs
- Impeller Manufactured with PPO Resin – Withstands the toughest water environments
- EDPM Rubber Shaft Seal – Longer-lasting seal stands up to the harshest environments
- Self-lubricating Lid O-ring – Does not require lubricant
- Comes with IE3 premium efficiency motor

P6 & 5P6R SERIES - High efficiency, low maintenance and mximum performance - all the features demanded by today's pool professionals. The Max-E-Pro pump has our new Quick-Lock™ Trap Cover Ring and the 2 in. ports incorporate internal and external threads. Available in single- and two-speed models, with ratings from 1/2 to 3 HP. **Built with quality construction** using a durable one-piece pump housing constructed of industry leading glass-reinforced composite resin. Fast cleaning with a new Quick-Lock trap cover ring permits fast access to strainer basket. Large see-through lid makes it simple to check for debris. A **strong, sturdy**, specially-designed base dampens sound and vibration, making the Max-E-Pro pump one of the quietest pumps in its class.

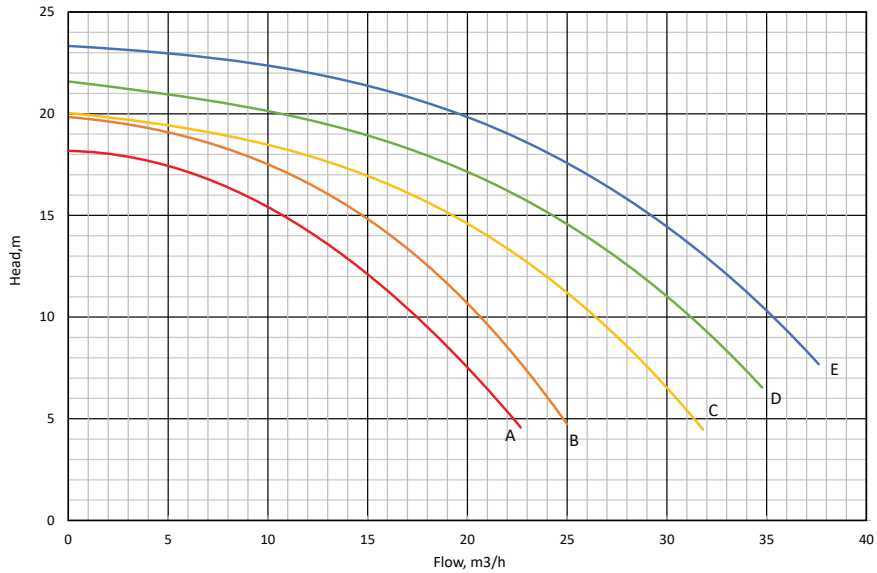
PERFORMANCE

Model	Power Output (kW/HP)	Full Load (A)	Volt (V)	Phase	Port Size (NPT) "in"	Weight (Kg)	Curve Key
SINGLE PHASE IE3-50HZ							
AP5P6R6D-E3	0.75	7.2/3.6	115/230	1~	2x2	22	A
AP5P6R6E-E3	1	9.6/4.8	115/230	1~	2x2	23	B
AP5P6R6F-E3	1.5	6.4	115/230	1~	2x2	25	C
AP5P6R6G-E3	2	8.4	230	1~	2x2	25	D
AP5P6R6H-E3	3	11.6	230	1~	2x2	26	E
SINGLE PHASE IE3-60HZ							
AP6EA6E-E3	1	10.8/5.4	115/230	1~	2x2	22	F
AP6EA6F-E3	1.5	13/6.5	115/230	1~	2x2	23	G
AP6EA6G-E3	2	8.7	115/230	1~	2x2	25	H
AP6EAA6G-E3	2.5	10	230	1~	2x2	25	I
AP6EA6H-E3	3	13.4	230	1~	2x2	26	J

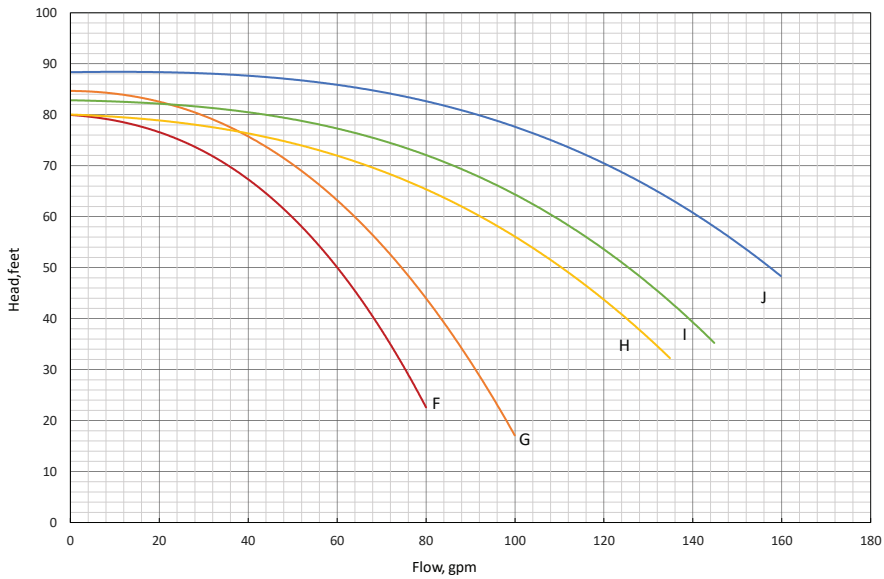
MAX-E-PRO®

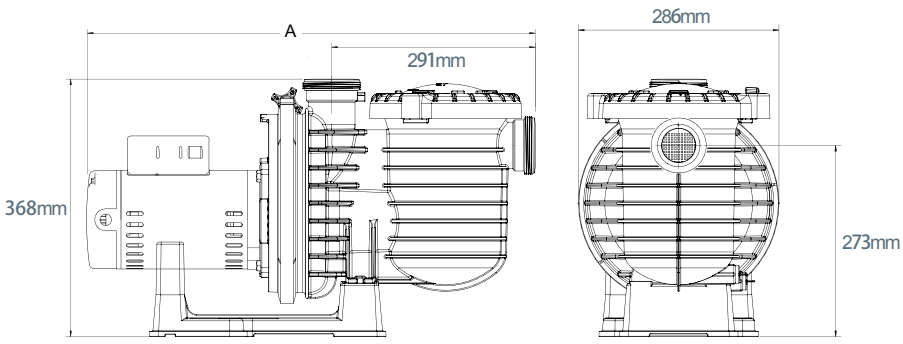
HIGH-EFFICIENCY POOL/SPA PUMPS

50Hz Performance Curve



60Hz Performance Curve





A-VARYING LENGTH		
HP 50Hz	HP 60Hz	3 Phase
0.75	-	717mm
1	1	717mm
1.5	1.5	737mm
2	2	737mm
-	2.5	737mm
3	3	737mm

MAX-E-PRO®

THREE PHASE - HIGH-EFFICIENCY POOL/SPA PUMPS



FEATURED HIGHLIGHTS

- Typical Installation – Inground pools, pool/spa combinations, inground spas, fountains and water features
- Easy-to-Install – 2 in. ports include external and internal threads for more plumbing options
- Max-E-Pro Pump of water, resulting in lower operating costs
- Impeller Manufactured with PPO Resin – Withstands the toughest water environments
- EDPM Rubber Shaft Seal – Longer-lasting seal stands up to the harshest environments
- Self-lubricating Lid O-ring – Does not require lubricant
- Comes with IE3 premium efficiency motor

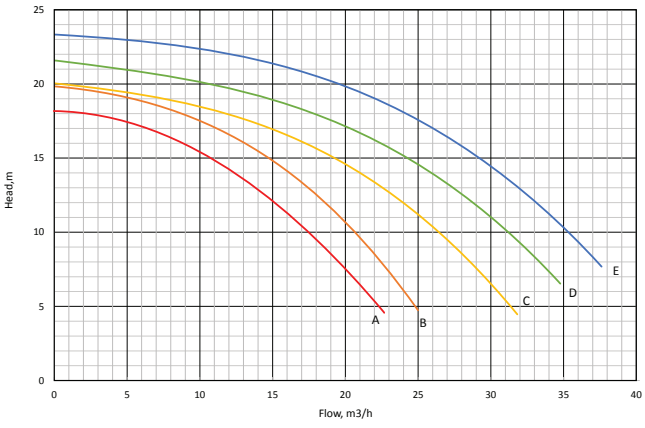
P6 & 5P6R SERIES - High efficiency, low maintenance and mximum performance - all the features demanded by today's pool professionals. The Max-E-Pro pump has our new Quick-Lock™ Trap Cover Ring and the 2 in. ports incorporate internal and external threads. Available in single- and two-speed models, with ratings from 1/2 to 3 HP. **Built with quality construction** using a durable one-piece pump housing constructed of industry leading glass-reinforced composite resin. **Fast cleaning** with a new Quick-Lock trap cover ring permits fast access to strainer basket. Large see-through lid makes it simple to check for debris. A **strong, sturdy**, specially-designed base dampens sound and vibration, making the Max-E-Pro pump one of the quietest pumps in its class.

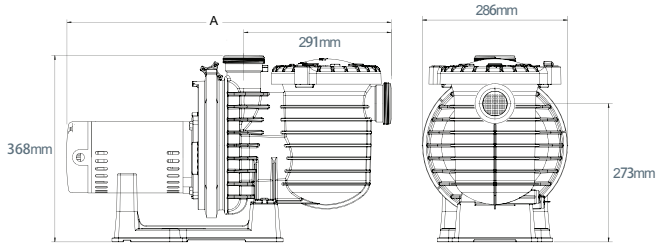
PERFORMANCE

Model	Power Output (kW/HP)	Full Load (A)	Volt (V)	Phase	Port Size (NPT) "in"	Weight (Kg)	Curve Key
THREE PHASE ODP IE3 - 50HZ							
AP5P6R6D3-E3	0.75	2.8/1.6	230/380-415	3~	2x2	18	A
AP5P6R6E3-E3	1	3.5/2.0	230/380-415	3~	2x2	19	B
AP5P6R6F3-E3	1.5	4.7/2.7	230/380-415	3~	2x2	22	C
AP5P6R6G3-E3	2	6.1/3.5	230/380-415	3~	2x2	23	D
AP5P6R6H3-E3	3	7.8/4.5	230/380-415	3~	2x2	27	E

A-VARYING LENGTH	
HP 50Hz	3 Phase
0.75	690mm
1	690mm
1.5	715mm
2	715mm
3	735mm

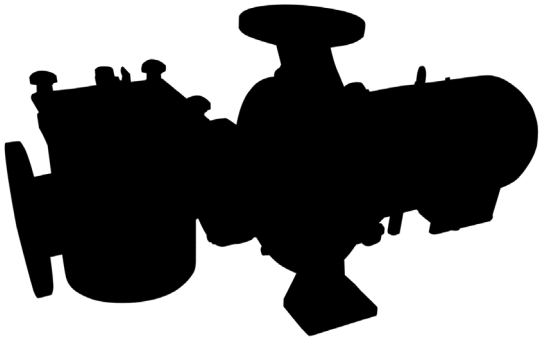
50Hz Performance Curve





XCP SERIES

COMMERCIAL END SUCTION CENTRIFUGAL PUMP



FEATURED HIGHLIGHTS

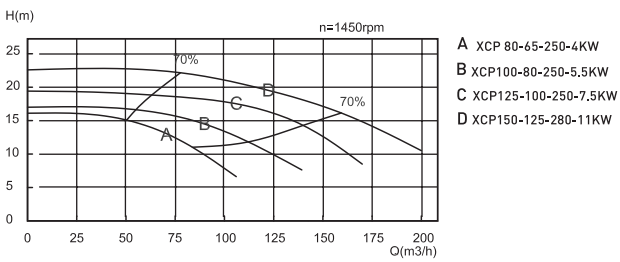
- Motor is suitable for most VFD's.
- Use of Burgmann commercial mechanical seal guarantees best performance.
- SKF bearings are selected to provide the most durable and efficient performance ever.
- Internal three phase thermistor to protect motor.

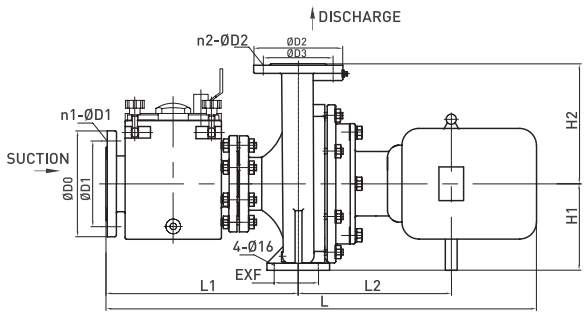
Commercial Cast Iron pump, especially designed for competition and public swimming pools, aquatic facilities, water parks and water features.

ORDERING INFORMATION

Product	Product	Voltage	kW	Phase	RPM	Weight
XCP - Series						
XCP-2501	XCP 80-65-250-4kW with strainer	380 V	4 .0	3~	1450	122 Kg
XCP-2502	XCP 100-80-250-5.5kW with strainer	380 V	5.5	3~	1450	127 Kg
XCP-2503	XCP 125-100-250-7.5kW with strainer	380 V	7.5	3~	1450	130 Kg
XCP-2504	XCP 150-125-280-11kW with strainer	380 V	11.0	3~	1450	136 Kg

DIMENSIONS AND PERFORMANCE





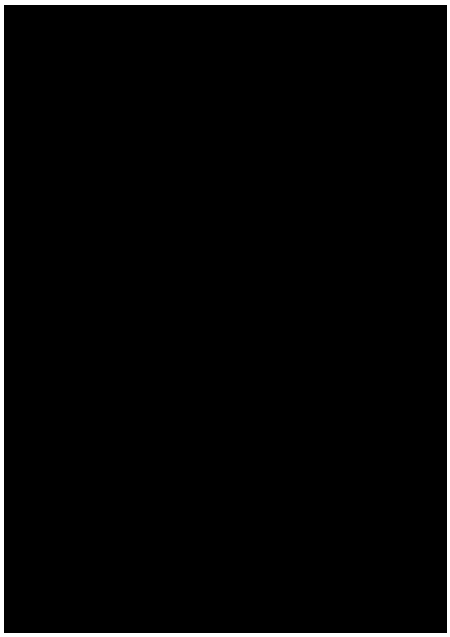
XCP Pumps

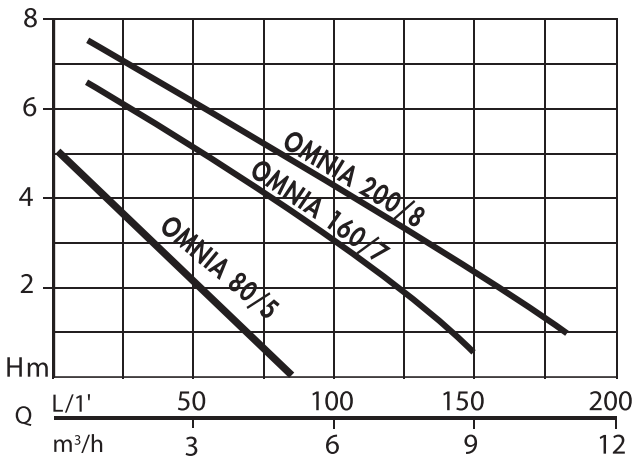
XCP Pump Type	Suction Dimension				Discharge Dimension				Outline Dimension					
	DN	D0	D1	n1-Ød1	DN	D2	D3	n2-Ød2	L1	L2	L	ExF	H1	H2
XCP 80-65-250	Ø100	Ø220	Ø180	8-Ø18	Ø65	Ø185	Ø145	4-Ø18	432	320	897	100x315	180	250
XCP 100-80-250	Ø125	Ø250	Ø210	8-Ø18	Ø80	Ø200	Ø160	8-Ø18	484	320	1005	130x315	200	280
XCP 125-100-250	Ø150	Ø285	Ø240	8-Ø22	Ø100	Ø220	Ø180	8-Ø18	587	318	1127	160x315	225	315
XCP 150-125-280	Ø200	Ø340	Ø295	12-Ø22	Ø125	Ø250	Ø210	8-Ø18	653	385	1293	200x315	250	355

All dimensions shown in millimeters.

FLOTEC

OMNIA RANGE

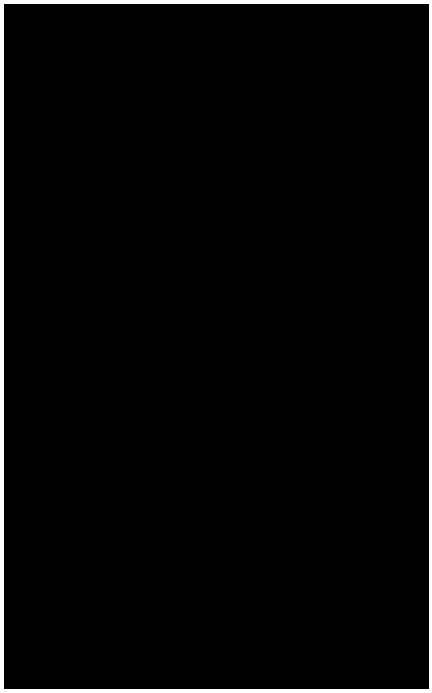


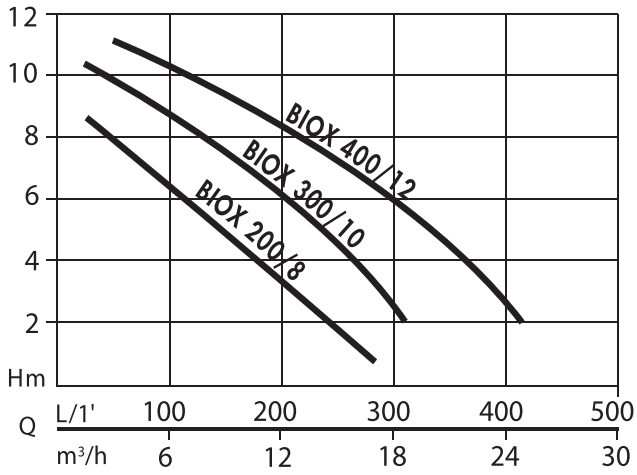


	OMNIA 80/5 AUTO	OMNIA 160/7 AUTO	OMNIA 200/8 AUTO
ARTICLE	N2081080	N2081050	N2081060
EAN CODE	8010583102581	8010583101676	8010583101683
ABSORBED POWER	300 W	500 W	750 W
MAX HEAD / PRESSURE	5 m / 0,5 bar	7 m / 0,7 bar	8 m / 0,8 bar
MAX FLOW RATE	4800 l/h	9600 l/h	12000 l/h
VOLTAGE / FREQUENCY	230 V - 50 hz	230 V - 50 hz	230 V - 50 hz
RATED CURRENT	1.4 A	2.5 A	3.2 A
MAX DEPTH OF IMMERSION	7 m	7 m	7 m
MAX TEMPERATURE OF PUMPED FLUID	40 °C	40 °C	40 °C
START / STOP LEVEL	250 mm / 100 mm	250 mm / 100 mm	250 mm / 100 mm
PUMP BODY	Stainless steel	Stainless steel	Stainless steel
POWER CABLE	10 m H07 RN8-F	10 m H07 RN8-F	10 m H07 RN8-F
MINIMUM DRAINING LEVEL	35 mm (manual)	35 mm (manual)	35 mm (manual)
MAX SIZE OF IMPURITIES	20 mm	20 mm	20 mm
PUMP OUTLET	41,90 mm (1"¼ m)	41,90 mm (1"¼ m)	41,90 mm (1"¼ m)
IMPELLER	Die-cast Stainless steel	Die-cast Stainless steel	Die-cast Stainless steel
ACCESSORIES	Adjustable connector for hoses Ø25 and 32 mm	Adjustable connector for hoses Ø25 and 32 mm	Adjustable connector for hoses Ø25 and 32 mm

FLOTEC

BIOX RANGE

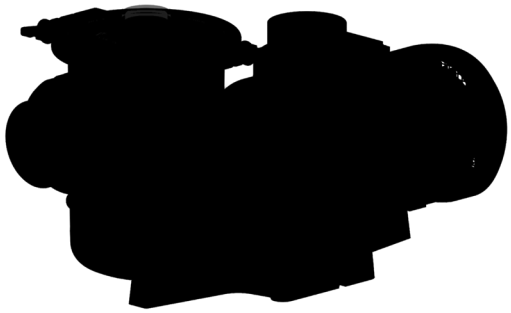




	BIOX 200/8 AUTO	BIOX 300/10 AUTO	BIOX 400/12 AUTO
ARTICLE	N2091020	N2091040	N2091060
EAN CODE	8010583101706	8010583101720	8010583101744
ABSORBED POWER	900 W	1300 W	1600 W
MAX HEAD / PRESSURE	9 m / 0,9 bar	11 m / 1,1 bar	12 m / 1,2 bar
MAX FLOW RATE	17000 l/h	21000 l/h	27000 l/h
VOLTAGE / FREQUENCY	230 V - 50 hz	230 V - 50 hz	230 V - 50 hz
RATED CURRENT	4.1 A	5.8 A	7.2 A
MAX DEPTH OF IMMERSION	7 m	7 m	7 m
MAX TEMPERATURE OF PUMPED FLUID	40 °C	40 °C	40 °C
START / STOP LEVEL	370 mm / 250 mm	400 mm / 300 mm	400 mm / 300 mm
PUMP BODY	Stainless steel	Stainless steel	Stainless steel
POWER CABLE	10 m H07 RN-8F	10 m H07 RN-8F	10 m H07 RN-8F
MINIMUM DRAINING LEVEL	45 mm (manual)	45 mm (manual)	45 mm (manual)
MAX SIZE OF IMPURITIES	40 mm	40 mm	40 mm
PUMP OUTLET	47,8 mm (2/1"1 m)	59,61 mm (2" m)	59,61 mm (2" m)
IMPELLER	Die-cast Stainless steel	Die-cast Stainless steel	Die-cast Stainless steel
ACCESSORIES	Reducer nipple4/1 1 –"2/1 1" Adjustable connector for hoses Ø 32 and 40 mm	Reducer nipple4/1 1 –"2/1 1" Adjustable connector for hoses Ø 32 and 50 mm	Reducer nipple4/1 1 –"2/1 1" Adjustable connector for hoses Ø 32 and 50 mm

PSP SERIES™ 50 Hz

COMMERCIAL PLASTIC SELF-PRIMING PUMPS
WITH AND WITHOUT HAIR AND LINT STRAINER



5PSP 7.5-10-12.5HP



5PSP 3.5 - 4.5 - 5.5HP

FEATURED HIGHLIGHTS

- Especially designed for swimming pool, aquatic and aquaculture applications.
- Seawater approved up to 4% salt concentration.
- Available with or without large pre-filter.
- Injection molded components of high quality glass-reinforced thermoplastic.
- CE & TUV Approved, IP55 protected, IE2 compliant TEFC motor.
- Corrosion resistant, high grade stainless steel motor shaft.
- Included connections are metric slip fit 110mm ID inlet and 90mm ID - outlet for 3,5 to 5,5HP versions and 110mm ID outlet for 7,5 and 10HP versions.
- High chemical resistance with all metal internal components being stainless steel.
- 2850 RPM Motor

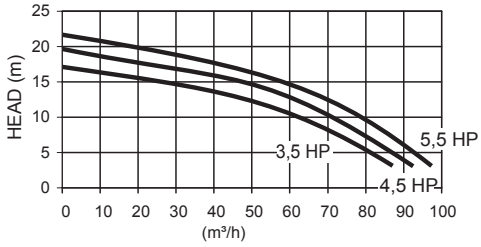
ORDERING INFORMATION

Product	Voltage	HP	KW	Primary Listings and Certifications	Port Size Metric ISO / DIN INLET	Port Size Metric ISO / DIN OUTLET	Weight (Kg)	BOX Dimensions (mm)
Three Phase Pool Pumps with Pre-Filter								
5PSP-350-3	λ 380V	3,50	2,60	CE - TÜV	110mm	90mm	32.40	860 x 375 x 600
5PSP-450-3	λ 380V	4,50	3,30	CE - TÜV	110mm	90mm	35.30	860 x 375 x 600
5PSP-550-3	λ 380V	5,50	4,00	CE - TÜV	110mm	90mm	35.30	860 x 375 x 600
*5PSP-750-3V2	Δ 380V*	7,50	5,60	CE - TÜV	110mm	110mm	84	1030 x 480 x 740
*5PSP-1000-3V2	Δ 380V*	10,00	7,50	CE - TÜV	125mm	110mm	90	1030 x 480 x 740
*5PSP-1250-3V2	Δ 380V*	12,50	8,90	CE - TÜV	125mm	110mm	94	1030 x 480 x 740
Three Phase Pool Pumps without Pre-Filter								
5PSP-350WS-3	λ 380V	3,50	2,60	CE - TÜV	110mm	90mm	26.40	860 x 375 x 600
5PSP-450WS-3	λ 380V	4,50	3,30	CE - TÜV	110mm	90mm	29.60	860 x 375 x 600
5PSP-550WS-3	λ 380V	5,50	4,00	CE - TÜV	110mm	90mm	29.70	860 x 375 x 600
*5PSP-750WS-3V2	Δ 380V*	7,50	5,60	CE - TÜV	110mm	110mm	78	1030 x 480 x 740
*5PSP-1000WS-3V2	Δ 380V*	10,00	7,50	CE - TÜV	125mm	110mm	84	1030 x 480 x 740
*5PSP-1250WS-3V2	Δ 380V*	12,50	Δ 380V*	CE - TÜV	125mm	110mm	88	1030 x 480 x 740

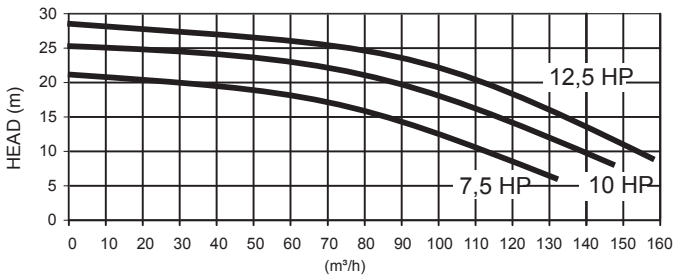
* Soft starter required

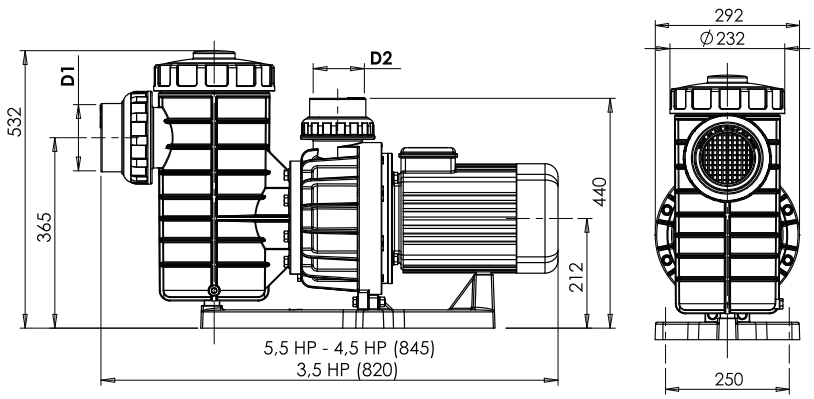
PSP SERIES® 50 HZ

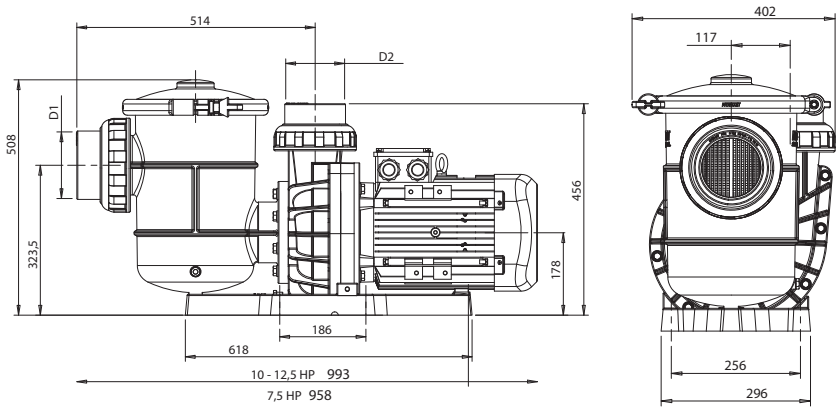
COMMERCIAL PLASTIC SELF-PRIMING PUMPS
WITH AND WITHOUT HAIR AND LINT STRAINER



Model	D1	D2
	mm	mm
3,5HP	110	90
4,5HP	110	90
5,5HP	110	90
7,5HP	110	110
10HP	125	110
12,5HP	125	110







EQ SERIES® 50 & 60 HZ

COMMERCIAL PLASTIC PUMPS
WITH AND WITHOUT HAIR AND LINT STRAINER



FEATURED HIGHLIGHTS

- Close-coupled for quiet, stable flow operation.
- Lightweight for easy, one-man installation.
- Clear Cam and Ramp™ Lid for added service convenience.
- Available in both 50Hz & 60Hz TEFC IE3 motors, three-phase only.
- Closed impeller for long life and durability.
- 6-inch suction and 4-inch discharge with strainer pot.
- Great for use with Acu Drive™ XS Variable Frequency Drives.
- Self-priming with strainer pot.
- CE certified.

EQ Series pumps are designed for maximum efficiency and quiet operation in every detail. They are the only non-corrosive, all-plastic pumps designed for the commercial pool and water applications market. The EQ Series Pump impellers are manufactured for true breakthrough performance, allowing for lower loads and longer motor life.



EQ Series Body



EQ Series Strainer

ORDERING INFORMATION

Product	Description	Voltage (V)	Amps	HP	PH	Dim A (mm)	Dim B (mm)	Dim C (mm)	Weight (Kg)	Curve Key
50 Hz Pump Models										
AP340082	EQK-300-AP	230/400	7.01 / 4.05	3	3	338.8	266.7	1068.3	59	A
AP340081	EQK-500-AP	230/400	11.8 / 6.8	5	3	338.8	266.7	1068.3	63	B
AP340080	EQK-750-AP	230/400	17.3 / 10.0	7.5	3	360.4	292.1	1126.7	77	C
AP340049	EQK-1000-AP	230/400	23.1 / 13.3	10	3	360.4	292.1	1126.7	91	D
60 Hz Pump Models										
AP340604	EQKT-300-AP	208-230/460	12.7-11.5 / 5.77	5	3	338.8	266.7	1068.3	59	E
AP340605	EQKT-500-AP	208-230/460	18.7-17.0 / 8.48	7.5	3	360.4	292.1	1126.7	76	F
AP340606	EQKT-750-AP	208-230/460	35.6-33.0 / 16.5	10	3	360.4	292.1	1126.7	81	G
AP340607	EQKT-1000-AP	208-230/460	35.6-33.0 / 16.5	15	3	360.4	292.1	1126.7	91	H

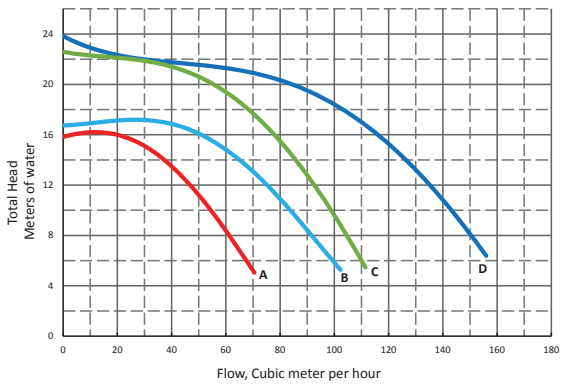
Protected by U.S. Patent Pending and all corresponding foreign counterparts.

EQ SERIES® 50 & 60 HZ

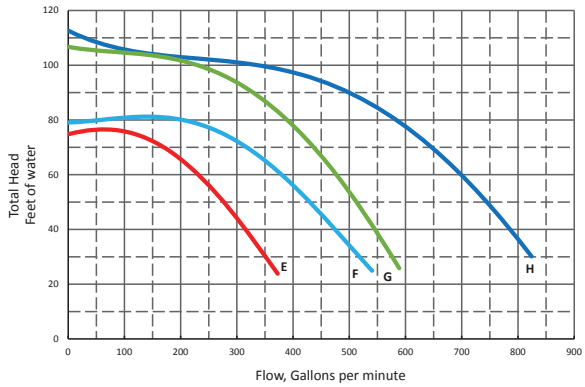
COMMERCIAL PLASTIC PUMPS
WITH AND WITHOUT HAIR AND LINT STRAINER

DIMENSIONS AND PERFORMANCE

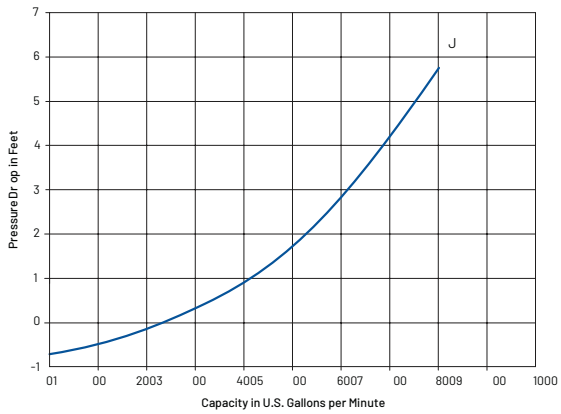
EQ Series 50Hz Performance Curves

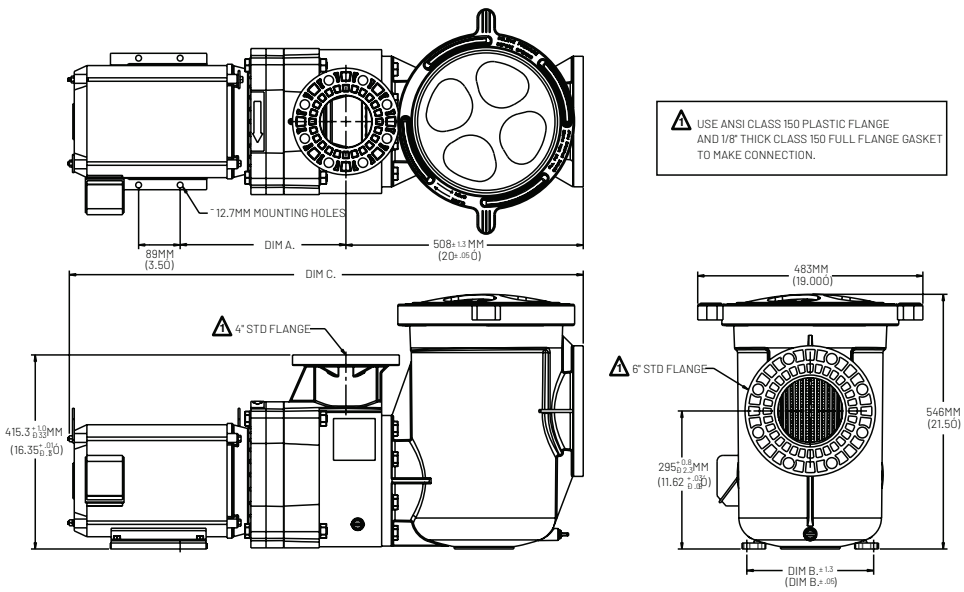


EQ Series 60Hz Performance Curves



EQ Stainer Only







I-FORCELINE NEO

FULL INVERTER SWIMMING POOL HEAT PUMP

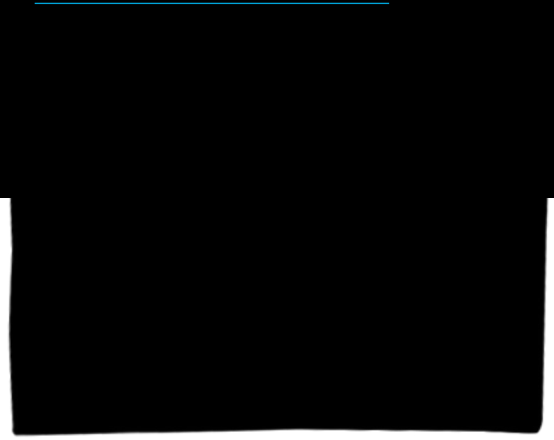
Pentair full DC inverter technology enables the heat pump to adjust its strength from **10% to 90%** according to the requirements.

I-FORCELINE NEO

FULL INVERTER SWIMMING POOL HEAT PUMP

FEATURED HIGHLIGHTS

- Easy Control
- Heating and cooling
- Easy maintenace
- Low Noise
- Intelligent defrosting



Pentair's pool heat pumps are dependable, easy to use and budget-friendly. These heat pumps are popular in many climates and are for pools and spas

Swimming pool heat pumps use electricity to circulate a refrigerant through the unit to extract free heat out of the air. They extract the heat using the thermodynamics of evaporating and re-compressing refrigerants.

This process uses less electricity than it would take to produce the same amount of heat with an electric heating element. With a pool heat pump there is no need to install a gas line. And a heat pump pool heater does not release any emissions.

Full DC Inverter Technology

Pentair full DC inverter technology enables the heat pump to adjust its strength from 10% to 90% according to the requirements.

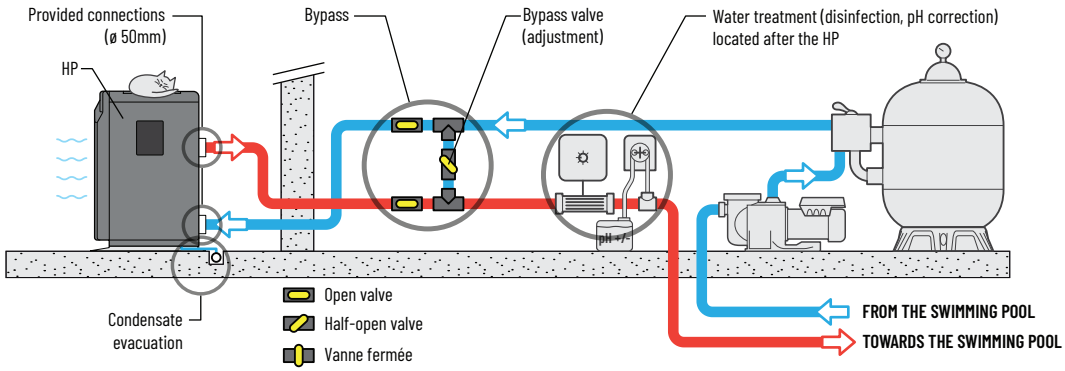
ORDERING INFORMATION

Model	MASRW080S-P-BP6III
Advised pool volume (m³)	100~200
Function	Heating & Cooling
Operating Air Temperature (°C)	
Performance Condition (Air 27°C / Water 26°C / Humid. 80%)	
Heating Capacity(kW)	8.15~35.1
Heating Capacity(Btu)	27800~119800
Consumed power (kW)	0.57~5.18
COP	14.3~6.8
Performance Condition (Air 15°C / Water 26°C / Humid. 70%)	
Heating Capacity (kW)	7.8~24.4
Heating Capacity (Btu)	26600~83250
Consumed power (kW)	1.07~5.55
COP	7.3~4.4
Technical Specifications	
Power Supply	380~415V/3N~/50Hz
Casing type	ABS
Compressor	Panasonic Rotary / Inverter
Water Connection (mm)	50
Fan Quantity	1
Fan Speed (RPM)	400 ~ 800
Compressor quantity	1
Sound Pressure 1m dB(A)	47~57
Advised Water Flow Volume (m³/h)	13.8
Water Pressure Drop (max) kPa	33.8
Airflow (m³/h)	3000~4800
Unit net size (mm)	1140 x 490 x 860

I-FORCELINE NEO

FULL INVERTER SWIMMING POOL HEAT PUMP

How To Install Heat Pump ?

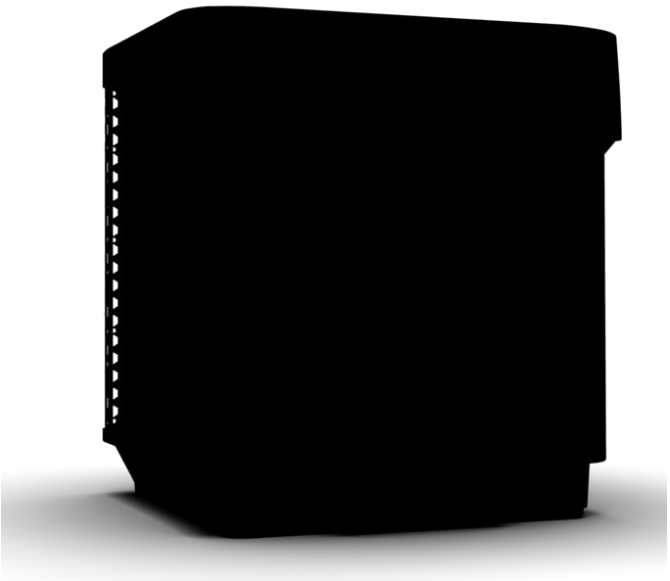


ORDERING INFORMATION

i-Forceline NEO Model Number		015-P-BP12	020-P-BP12	030-P-BP12	035-P-BP12	040-P-BP12	050-P-BP12	060-P-BP12	060S-P-BP12	070S-P-BP12
Refrigerant		R32								
Certification		CE								
Performance Data										
Air 27 (°C)/Water 26 (°C) /Humid 80%	Heating Capacity (kW)	2.0 - 7.0	2.4 - 9.0	2.56 - 11.5	3.20 - 13.2	4.05 - 15.5	4.38 - 18.4	4.7 - 24.0	9.8 - 24.6	7.7 - 28.0
	COP	10.2 - 5.8	10.0 - 5.8	10.4 - 6.0	10.3 - 5.8	10.1 - 5.6	10.0 - 5.8	13.0 - 6.0	14.0 - 7.0	13.0 - 6.0
	Power Consumption (kW)	0.20~1.21	0.24~1.55	0.25~1.92	0.31~2.28	0.4~2.63	0.44~3.17	0.36~4.0	0.70~3.52	0.59~4.7
Air 15 (°C)/Water 26 (°C) /Humid 70%	Heating Capacity (kW)	1.1 - 5.0	1.2 - 6.5	1.5 - 8.5	1.78 - 9.95	2.2 - 11.4	2.4 - 13.8	4.40 - 18.5	7.2 - 19.1	6.4 - 21.8
	COP	6.0 - 4.0	6.0 - 4.1	6.2 - 4.3	8.2 - 4.4	5.2 - 4.4	6.1 - 4.5	7.20 - 4.60	7.6 - 5.3	7.30 - 4.60
	Power Consumption (kW)	0.18~1.25	0.2~1.57	0.24~1.97	0.29~2.26	0.35~2.59	0.39~3.07	0.61~4.02	094~3.60	0.88~4.74
Air 10 (°C)/Water 26 (°C) /Humid 64%	Heating Capacity (kW)	1.3 - 4.6	1.56 - 5.9	1.66 - 7.5	2.15 - 8.75	2.63 - 10.0	2.84 - 12.0	5.0 - 15.6	5.7 - 15.6	5.7 - 17.8
	COP	5.0 - 3.6	5.0 - 3.6	5.0 - 3.8	5.0 - 3.8	5.0 - 3.9	5.1 - 3.9	6.1 - 4.0	6.3 - 4.4	6.3 - 4.3
	Power Consumption (kW)	0.26~1.28	0.31~1.64	0.33~1.97	0.42~2.30	0.52~2.56	0.56~3.08	0.82~3.91	0.90~3.54	0.90~4.13
Air 35 (°C)/Water 29 (°C) /Humid 64%	Cooling Capacity (kW)	1.81 - 3.13	1.86 - 3.87	2.10 - 4.39	2.45 - 4.50	3.66 - 8.16	4.41 - 9.18	4.95 - 14.76	5.80 - 17.41	5.80 - 17.41
	EER	3.14 - 2.94	3.03 - 2.45	3.17 - 3.08	3.05 - 2.96	3.11 - 2.91	3.08 - 2.50	3.21 - 2.66	3.14 - 2.76	3.14 - 2.76
	Power Consumption (kW)	1.81-3.13	1.86-3.87	2.10-4.39	2.45-4.50	3.66-8.16	4.41-9.18	4.95-14.76	5.80-17.41	5.80-17.41
Air 43 (°C)/Water 35 (°C) /Humid 20%	Cooling Capacity (kW)	2.1 - 2.95	2.02 - 3.64	2.31 - 4.37	2.41 - 3.84	3.94 - 7.08	4.21 - 7.68	4.41 - 9.83	6.71 - 16.08	6.71 - 16.08
	EER	2.96 - 2.65	2.94 - 2.62	3.06 - 2.97	2.80 - 2.36	2.95 - 2.87	3.01 - 2.82	2.88 - 2.37	2.85 - 2.39	2.85 - 2.39
	Power Consumption (kW)	2.02~2.95	2.1~3.64	2.31~4.37	2.41~5.84	3.94~7.08	4.21~7.68	4.41~9.83	6.71~16.08	6.71~16.08
Technical Data										
Power Supply		220 - 240V - 1pH							380V - 3pH	
Fan Quality		1	1	1	1	1	1	1	1	1
Fan Speed		500 - 700	500 - 700	500 - 850	500 - 850	500 - 750	500 - 750	400 - 800	600 -700	400 - 800
Airflow Volume		1500-2000	1300-2000	1300-2300	1500-2300	2000-3500	2000-3300	3000-4800	3000-4500	3000-4500
Sound Pressure 1m (dB)A		38 - 51	40 - 52	42 - 53	42 - 54	44 - 55	44 - 56	45 - 56	44 - 56	45 - 57
Sound Pressure 10m (dB)A		18 - 31	20 - 32	22 - 33	22 - 34	24 - 35	24 - 36	25 - 46	25 - 46	25 - 47
Water Connection (mm)		50								
Water Flow Volume (m^3/h)		2.8	2.8	3.2	4.0	5.1	5.1	10.0	10.0	12.0
Water Pressure Drop (max) kPa		1.8	2.8	2.7	3.0	6.0	6.0	14	14	17
Net Dimension LxWxH (mm)		888x380x618				1048x450x770		1160x490x862		1160x490x962
Package Dimension		970x410x630				1130x480x780		1210x510x880		1210x510x880

I-FORCELINE MAX

INVERTER SWIMMING POOL HEAT PUMP



FEATURED HIGHLIGHTS

- Full DC Inverter Technology
- 28dB(A) Low Noise at 10m Distance
- Smart App Remote Control
- Soft Starter
- Sliding Defrost Technology

Full DC Inverter Technology

Pentair full DC inverter technology enables the heat pump to adjust its strength from 10% to 90% according to the requirements.

28dB (A) Low Noise at 10m Distance

Pentair i-ForceLine Max Pool Heat Pump is specially designed with a silence mode to create a comfortable living environment at night for users. Under silence mode, the heat pump is running at 28dB (A) low noise.

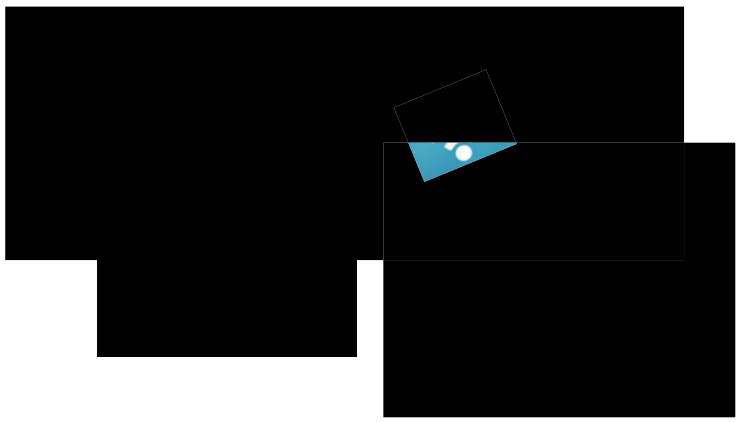


Smart App Remote Control

On a business trip or a holiday travel? Set and check your pool temperature via the app in your smart phone. The pool temperature is just at your fingertips.

Available on the iPhone App Store

GET IT ON Google Play



I-FORCELINE MAX

INVERTER SWIMMING POOL HEAT PUMP

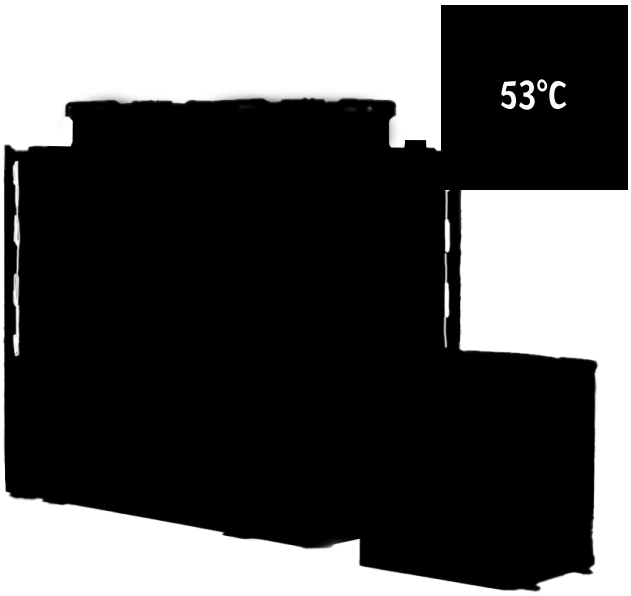
ORDERING INFORMATION

Model Number	PASRW030-U-P-BP4	PASRW040-U-P-BP4	PASRW050-U-P-BP4	PASRW050S-U-P-BP4	
Operating air temperature (°C)					
Performance Condition (Air 27 °C/Water 26 °C/Humid. 80%)					
Heating Capacity (kW)	2.8~12	3.9~17.1	4.9~21.0	5.1~21.6	
Heating Capacity (Btu)	9520~40800	13300~58200	16660~71400	17340~73440	
Consumed power (kW)	0.23~2.12	0.31~3.05	0.43~4.08	0.43~4.29	
COP	5.66~12.17	5.61~12.58	5.15~11.4	5.03~11.86	
Heating Capacity (Air 15 °C/Water 26 °C/Humid. 70%)					
Heating Capacity (kW)	2.2~9.7	2.9~12.2	3.8~16.2	3.9~16.3	
Heating Capacity (Btu)	7480~32980	9860~41500	12920~55080	13090~55420	
Consumed power (kW)	0.33~2.08	0.42~2.86	0.57~3.86	0.59~3.82	
COP	4.66~6.67	4.27~6.9	4.2~6.67	4.27~6.53	
Heating Capacity (Air 10 °C/Water 26 °C/Humid. 64%)					
Heating Capacity (kW)	1.9~8.0	2.6~10.8	3.4~14.1	3.5~14.0	
Heating Capacity (Btu)	6460~27200	8840~36700	11696~47940	11798~47600	
Consumed power (kW)	0.33~1.95	0.45~2.64	0.62~3.52	0.62~3.59	
COP	4.10~5.76	4.1~5.78	4.01~5.55	3.90~5.60	
Power Supply	230V/1P/50Hz	230V/1P/50Hz	230V/1P/50Hz	380V/3P/50Hz	
Casing type					
Breaker size (amp)	30	30	40	20	
Amps (A)	10	13	17.9	6.97	
Refrigerant					
Compressor Quantity					
Compressor Type					
Fan Quantity					
Fan Direction					
Fan Power Input (W)	200	200	200	200	
Fan Speed (RPM)	500-750	500-750	500-750	500-750	
Sound Pressure 1m dB (A)	44-54	46-56	48-58	48-58	
Sound Pressure in silence mode 1m dB (A)	44	46	48	48	
Sound Pressure 10m dB (A)	24-34	26-36	28-38	28-38	
Sound Pressure in silence mode 10m dB (A)	24	26	28	28	
Water Connection (mm)					
Water Flow Volume (m3/h)	4.2	5.5	6.8	7.1	
Water Pressure Drop (max) kPa	4.5	4.5	3.3	3.3	
Net Dimensions (L/W/H) (mm)	723×835×865	723×835×865	770×990×970	770×990×970	
Shipping Dimensions (L/W/H) (mm)	773×885×915	773×885×915	820×1040×1000	820×1040×1000	

	PASRW060-U-P-BP4	PASRW060S-U-P-BP4	PASRW070-U-P-BP4	PASRW070S-U-P-BP4	PASRW080S-U-P-BP4
(-15~43)					
	5.9~24.6	5.8~24.4	6.7~28.6	7.0~29.5	8.2~34.7
	20060~83460	19720~82960	22780~97240	23800~100300	27880~117980
	0.47~4.94	0.47~4.65	0.53~5.4	0.55~5.6	0.66~6.9
	4.98~12.55	5.25~12.34	5.3~12.64	5.27~12.7	5.03~12.42
	4.8~18.4	4.5~19.0	5.5~23.4	5.8~24.6	6.5~27.7
	16252~62560	15198~64600	18700~79560	19652~83640	22100~94180
	0.73~4.64	0.68~4.39	0.82~5.4	0.99~4.53	0.97~6.46
	3.96~6.55	4.33~6.57	4.33~6.71	4.53~5.84	4.29~6.7
	4.3~18.2	4.0~17.0	4.9~20.9	4.9~20.9	6.1~25.9
	14552~61880	13600~57800	16660~71060	16660~71060	20740~88060
	0.74~4.35	0.70~4.10	0.86~5.05	0.84~4.93	1.07~6.32
	4.18~5.78	4.15~5.71	4.14~5.7	4.24~5.83	4.1~5.7
	230V/1P/50Hz	380V/3P/50Hz	230V/1P/50Hz	380V/3P/50Hz	380V/3P/50Hz
ABS					
	50	20	60	30	30
	20.8	7.77	26.2	9.29	10.96
R32					
1					
Rotary / inverter					
1					
Vertical					
	200	200	200	200	200
	600-800	600-800	600-800	600-800	350-750
	50-60	50-60	53-62	53-62	55-65
	50	50	53	53	55
	30-40	30-40	33-43	33-43	35-45
	30	30	33	33	35
50					
	8.3	8.1	9.5	9.8	11.5
	6	6	11		
	770×990×970	770×990×970	920×960×1025	920×960×1025	920×960×1025
	820×1040×1000	820×1040×1000	970×1010×1075	970×1010×1075	970×1010×1075

MEGALINE

COMMERCIAL SWIMMING POOL HEAT PUMP



FEATURED HIGHLIGHTS

Efficient Cooling System

Designed specifically to chill pool water efficiently in hot climates, maintaining comfortable swimming conditions even in extreme heat.

Commercial-Grade Performance

Engineered for reliability and durability in high-demand commercial pool environments.

Built for the Middle East Climate

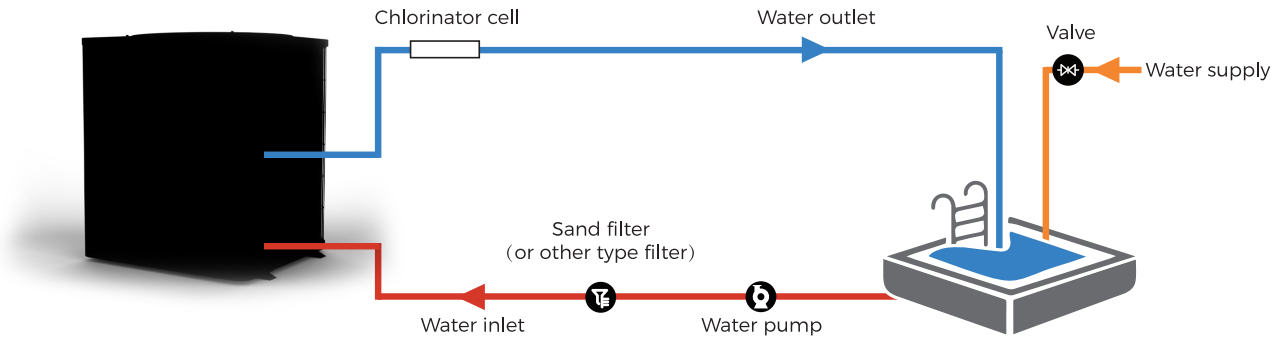
Optimized for performance in high ambient temperatures typical of the Middle East.

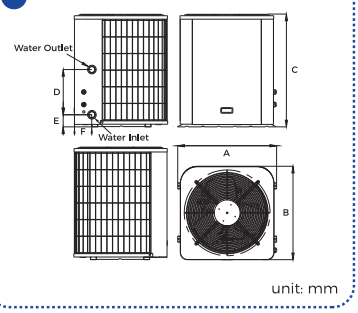
Brand Assurance

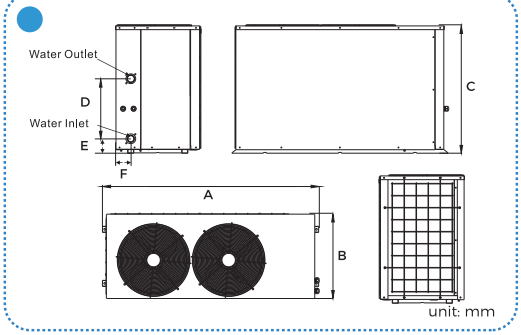
Manufactured by Pentair, a trusted name in water solutions and pool equipment.

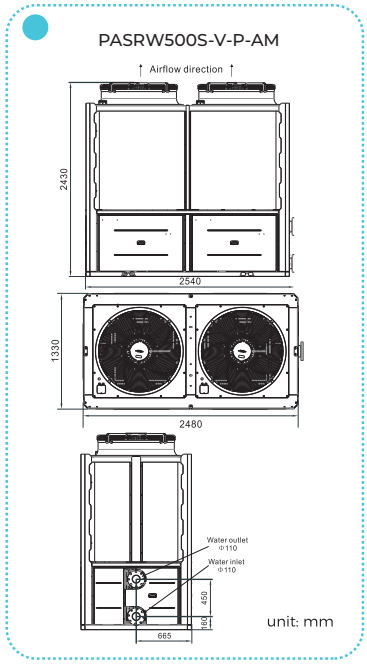
Heating & Cooling

Self-developed driver board with gas cooling technology









MODEL	A	B	C	D	E	F	water inlet/outlet
PASRA-030-U-P-AM	743	700	830	340	91	131	Φ50/Φ50
PASRA-050S-U-P-AM	763	722	830	350	91	128	Φ50/Φ50

MODEL	A	B	C	D	E	F	water inlet/outlet
PASRA060S-U-P-AM	1440	560	850	400	96	99	Φ50/Φ50
PASRA100S-U-P-AM	1448	750	1280	440	106	124	Φ50/Φ50
PASRA130S-U-P-AM	1448	750	1280	440	106	124	Φ50/Φ50
PASRA200S-P-AM	2149	761	1300	375	106	191	Φ63/Φ63

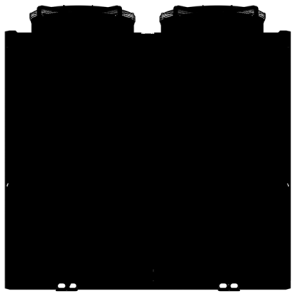
MEGALINE

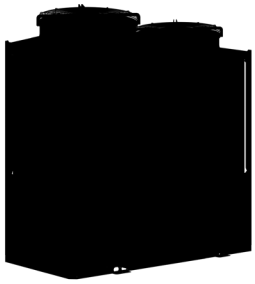
COMMERCIAL SWIMMING POOL HEAT PUMP

MEGALine Chill		PASRW030-U-P-AM	PASRW050S-U-P-AM	PASRW060S-U-P-AM	PASRW100S-U-P-AM	PASRW130S-U-P-AM	PASRW200S-U-P-AM	PASRW500S-V-P-AM
Heating: Outdoor air temp: 24°C/19°C, Inlet Water Temp 26°C								
Heating Capacity	kW	14.0	24.0	29.0	50.0	58.0	90.0	245.0
Heating Capacity	Btu	47768	81888	98948	170600	197896	307080	835940
Consumed Power	kW	2.78	4.7	5.6	9.75	11.2	16	47.5
COP		5.04	5.11	5.18	5.13	5.18	5.63	5.16
Cooling: Outdoor air temp: 43°C/26°C, Inlet Water Temp 32°C								
Heating Capacity	kW	9.0	16.0	18.0	32.0	40.0	60.0	184.0
Heating Capacity	Btu	30708	54592	61416	109184	136480	204720	627808
Consumed Power	kW	2.87	4.59	5.75	9.85	10.6	16.5	49.2
EER		3.14	3.23	3.13	3.25	3.77	3.64	3.74
Power Supply		220~240V / 50Hz	380~415V / 50Hz					
Max. Power Input	kW	3.251	6.88	7.2	12.13	12.13	16.84	50.36
Max. Current Input	A	14.34	10.5	11	20.97	20.97	29.36	91.4
Running Current (C/H)	A	12.66/12.26	7.55/7.17	9.7/9.6	17.03/16.86	18.32/19.36	29.15/28.13	86.2/89.1
Compressor Qty		1	1	1	1	1	3	4
Compressor Type		Rotary	Scroll					
Compressor Brand		Panasonic	Copeland					
Titanium Heat Exchanger		PVC						
Fan Qty		1		2	2	2	3	2
Fan Power Input	W	150		60x2	150x2	150x2	150x3	500x2
Fan Speed	RPM	750		840	750	750	750	750
Air Flow Volume	m³/h	5000		3000x2	5000x2	5000x2	5700x3	22000x2
Fan Direction		Vertical						
Sound Pressure 1m	dB(A)	58	58	56	61	61	65	67
Water Connection	mm	50	50	50	50	50	63	110
Water Flow Volume	m³/h	3.0	3.0	6.0	13.0	13.0	20.0	70.0
Water Pressure Drop (max.)	kPa	10.0	12.0	13.5	13.0	13.0	20.0	22.0
Operating Air Temperature	°C	2-53°C						
Refigerant		R410A						
Net Dimensions LxWxH	mm	743x700x830	763x720x830	1440x560x850	1448x750x1280	1448x750x1280	2150x760x1310	2480x1330x2360
Package Dimensions	mm	765x735x860	820x790x990	1470x640x1030	1530x785x1435	1530x785x1435	2240x820x1430	2560x1480x2480
Net Weight / Gross Weight	kg	82 / 110	114 / 129	145 / 185	240 / 271	247 / 271	403 / 474	945 / 1005
Qty per 20GP/40 HQ		42 / 90	40 / 88	24 / 54	10 / 22	10 / 22	6 / 13	0 / 4
BMS available or not		YES						
WiFi connection avialable or not		YES						
Function		Heating & Cooling						
Throttling Device		Capllary Tube			EEV			

I-MEGALINE COMMERCIAL

INVERTER COMMERCIAL SWIMMING POOL HEAT PUMP





FEATURED HIGHLIGHTS

- Soft Starting
- Low Noise
- Centralized Control (RS485)
- PID Control
- Precise Control
- Automatic Defrost
- Full Inverter Technology
- Free WIFI Module as standard;
- High COP & Efficiency
- 5 inch Colorful touch screen display
- Heating & Cooling
- Self-developed driver board with gas cooling technology

ORDERING INFORMATION

Model Number		PASRW150S-V-P-BP	PASRW300S-P-BP	PASRW600S-P-BP
Gas Quantity	kg	5.00	13.40	24.80
GWP	/	2088	2088	2088
CO2	Ton	10.44	27.98	51.78
Refrigerant		R410a		
Performance (Heating)				
Air 27 °C/Water 26 °C /Humid. 80%	Power Boost Mode (kW)	80.00	175.00	300.00
	Heating Capacity (kW)	12.20~65.00	28.20~130.00	61.30~250.00
	Power Consumption (kW)	0.76-10.65	1.76-20.97	3.81-40.85
	COP	6.10-16.10	6.20-16.00	6.12-16.10
Air 15 °C/Water 26 °C /Humid. 70%	Power Boost Mode (kW)	60.00	135.00	230.00
	Heating Capacity (kW)	9.60-50.10	22.20-100.00	50.00~190.00
	Power Consumption (kW)	1.14-10.20	2.61-20.41	5.81-38.00
	COP	4.91-8.40	4.90-8.50	5.00-8.60
Performance (Cooling)				
Air 35 °C/Water 30 °C/ Humid. 60%	Power Boost Mode (kW)	42.00	96.00	170.00
	Cooling Capacity (kW)	15.00-30.20	59.40-73.4	90.00~130.00
	Power Consumption (kW)	2.94-7.37	11.21-17.07	16.36-28.89
	EER	4.10-5.10	4.30-5.30	4.50-5.50
Air 43 °C/Water 26 °C/ Humid. 70%	Power Boost Mode (kW)	25.00	75.00	140.00
	Cooling Capacity (kW)	8.2-18.4	44.00-54.80	58.30~110.00
	Power Consumption (kW)	2.02-6.13	10.73-17.79	14.05-35.48
	EER	3.00-4.05	3.08-4.10	3.10-4.15
Technical Data				
Power Supply		380~415V / 3 Phase		
Fan Quantity		2	2	2
Fan Speed (RPM)		750	700	700
Sound Pressure 1m dB (A)		63	64	70
Sound Pressure in silence mode 1m dB (A)		49	51	59
Water Connection (mm)		63	110	110
Water Flow Volume (m3/h)		27.5	53.0	100.0
Water Pressure Drop (max) kPa		25	37	100
Net Dimensions L/W/H (mm) R32		1750×840×1750	2170×1150×2130	2540×1330×2370
Qty per 20'GP/40'GP/40'HQ		6/13/13	4/9/9	*/*/4

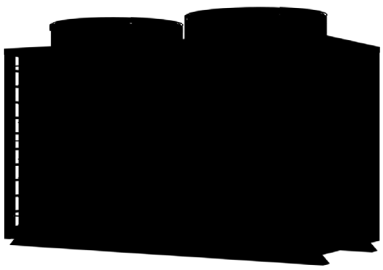
ON - OFF HEAT PUMP

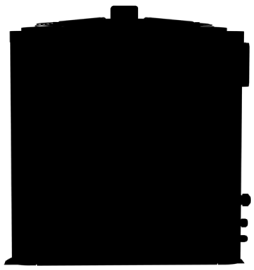
COMMERCIAL SWIMMING POOL HEAT PUMP

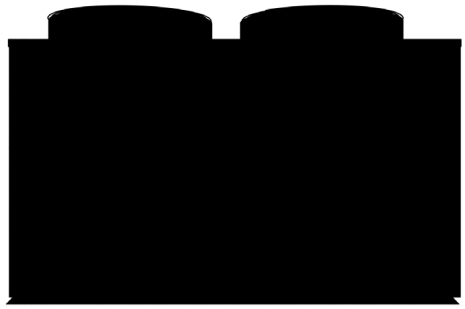


FEATURED HIGHLIGHTS

- Economic and High-Efficient
- Intelligent Defrosting
- Environmentally-Friendly
- Long Operating life
- Fashionable Casing



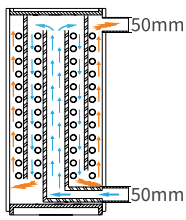




Dual Coil Titanium Heat Exchanger

Compared with normal single coil heat exchangers, Pentair patented dual coil titanium heat exchanger enlarges the heat exchanging surface that increases efficiency by providing an sufficient action area.





Titanium tube heat exchanger



Electric Expansion Valve

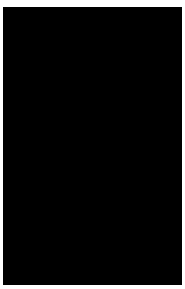
The units automatically adjust the refrigerant flow rate, ensuring that the units operate with high efficiency in all weather conditions.

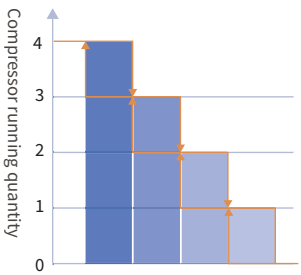
Fin Heat Exchanger

Highly customizable, at least three kinds of fin heat exchangers can be opted, including the golden fin heat exchanger, blue fin heat exchanger, hydrophilic fin heat exchanger.







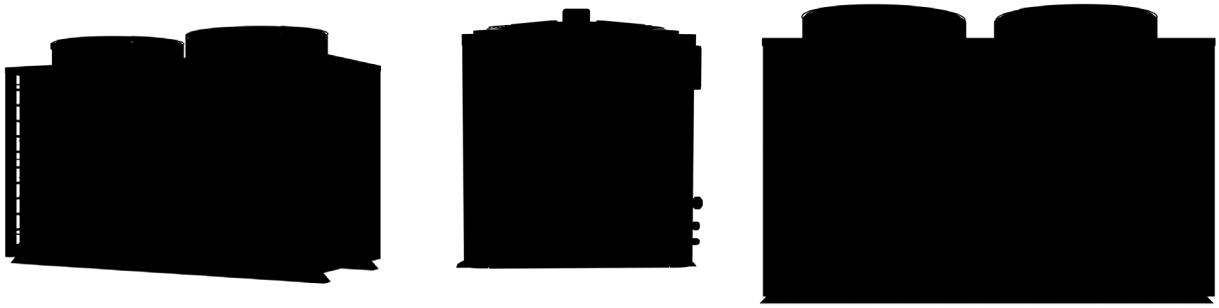


Compressor

Compressor with precise energy stage settings ensures the working unit to achieve the desired energy saving effect.

ON – OFF HEAT PUMP (R410A)

COMMERCIAL SWIMMING POOL HEAT PUMP

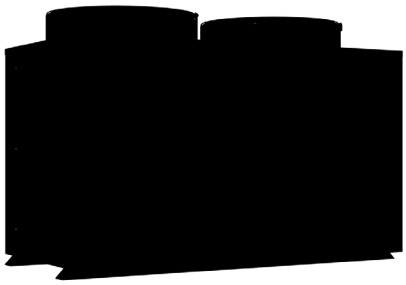


ORDERING INFORMATION

PART NUMBER	PASRW020-U	PASRW030-U	PASRW050-U	PASRW060S-V	
Operating Air Temperature (°C)					
Performance Condition (Air 24 °C/Water 26 °C/Humid. 62.8%)					
Heating Capacity (kW)	9.19	13.8	17	26	
Power Consumption (kW)	1.98	2.95	4.69	4.91	
COP	4.65	4.68	4.69	5.3	
Heating Capacity (Air 15°C/Water 26°C/Humid. 70.9%)					
Heating Capacity (kW)	7.61	12.30	19.08	21.10	
Power Consumption (kW)	1.99	2.95	4.66	4.69	
COP	3.83	4.17	4.09	4.50	
Heating Capacity (Air 7 °C/Water 26 °C/Humid. 86.9%)					
Heating Capacity (kW)	6.20	11.10	15.74	18.20	
Power Consumption (kW)	1.96	2.93	4.46	5.00	
COP	3.17	3.79	3.54	3.64	
Cooling Capacity (Air 35 °C/Water 30 °C/Humid. 60%)					
Cooling Capacity (kW)	6.15	9.3	12.96	10.892	
Power Consumption (kW)	1.87	2.6	5.01	5.245	
EER	3.29	3.57	2.59	2.08	
Cooling Capacity (Air 43 °C/Water 30 °C/Humid. 70%)					
Cooling Capacity (kW)	4.63	8.02	10.64	8.34	
Power Consumption (kW)	2.15	2.94	5.73	4.48	
EER	2.15	2.73	1.86	1.72	
Power Supply	230V/1/50HZ R410A				
Heat exchanger					
Compressor Quantity	1	1	1	1	
Compressor	Rotary	Rotary	Rotary	Scroll	
Fan Quantity	1	1	1	1	
Fan Direction					
Fan Power Input (W)	120×1	120×1	200×1	390×1	
Fan Speed (RPM)	850	850	850	900	
Sound Pressure 1m dB (A)	51	54	58	58	
Water Connection (mm)	50	50	50	50	
Water Flow Volume (m^3/h)	3.0	4.0	7.5	9.5	
Water Pressure Drop (max) kPa	10	10	12	12	
Net Dimensions (L/W/H) (mm)	580×545×750	690x655x730	745×700×845	985×735×1130	
Shipping Dimensions (L/W/H) (mm)	600×575×770	710x685x750	765×735×860	1040×790×1350	
Net Weight/Gross Weight (Kg)	61/70	65/85	95/120	146/186	

ON - OFF HEAT PUMP (R410A)

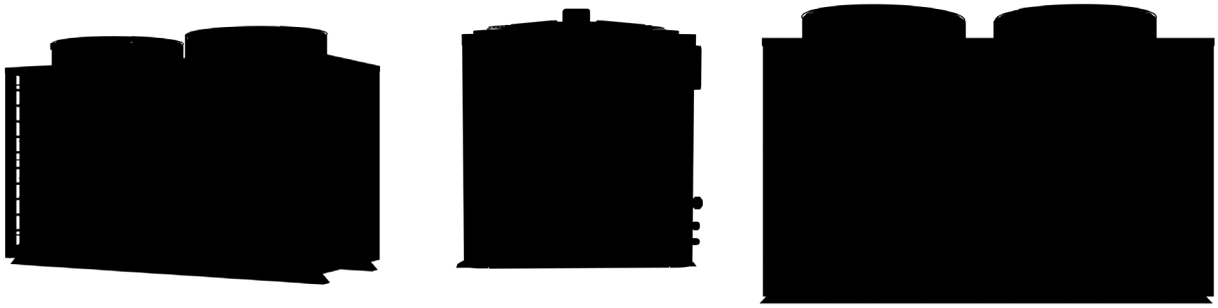
COMMERCIAL SWIMMING POOL HEAT PUMP



	PASRW080S-U	PASRW0100S-U	PASRW0130S-V	PASRW0200S-U	PASRW250S-V	PASRW300S-V	PASRW500S-V
	(-15~43)						
	38.00	47.00	57.00	95.00	120	145.00	190
	7.10	9.30	12.80	17.300	21	25.500	32.8
	5.35	5.05	4.45	5.490	5.7	5.69	5.79
	33.60	41.78	46.67	72.5	103	120.000	160
	6.50	8.90	11.30	16	20.5	23.500	30.8
	5.17	4.65	4.13	4.53	5.02	5.11	5.19
	28.40	33.00	33.00	56.00	78.00	100.000	125
	5.95	8.15	8.15	13.70	18.00	21.500	29.4
	4.76	4.05	4.05	4.09	4.33	4.65	4.24
	18.33	24.04	29.70	37.248	51.804	59.560	95.795
	7.80	8.89	11.80	17.751	20.288	27.450	37.879
	2.35	2.71	2.52	2.10	2.55	2.17	2.53
	17.93	24.15	18.14	35.21	38.7	46.060	55.07
	8.43	10.49	10.82	15.63	22.96	33.220	21.82
	2.13	2.30	1.68	2.25	1.69	1.39	2.52
	380V~415V/3N/50HZ R410A						
	Titanium tube heat exchanger with PVC Case						
	2	2	2	3	2	2	4
	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	2	2	2	3	2	2	2
	Vertical						
	200×2	390×2	390×2	200×3	615×2	615×2	2000×2
	850	830	830	750	700	700	920
	61	61	61	61	69	71	67
	60.3	63	63	63	110	110	110
	12.0	15.0	19.5	29.0	35.0	62.0	60.0
	12	12	15	16	16	16	21
	1464×735×1130	1464×735×1130	1464×735×1130	2150×760×1330	2175×1070×2030	2175×1070×2030	2180×1070×2060
	1500×790×1140	1500×790×1140	1500×790×1140	2230×840×1470	2300×1170×2200	2330×1220×2200	2330×1220×2230
	210/242	229/265	227/262	380/433	648/677	664/693	891/964

ON - OFF HEAT PUMP (R407C)

COMMERCIAL SWIMMING POOL HEAT PUMP

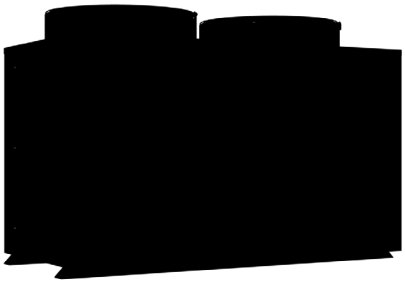


ORDERING INFORMATION

Part Number		PASRW030-U-T3	PASRW050S-U-T3	PASRW060S-V-T3	PASRW080S-U-T3	
Heating: Outdoor air temp: 24°C/19°C, Inlet water temp: 27°C						
Heating Capacity	kW	13	21	25	35	
Heating Capacity	BTU/h	44000	72000	86000	119400	
Heating Power Input	kW	2.65	4.3	5	7.6	
COP		4.91	4.88	5.00	4.61	
Running Current (C/H)	Amp	14.3/13.6	8.2/7.3	10.3/8.9	15.0/13.6	
Power Supply		240V~/50Hz	415V/3N~/50Hz			
Compress Quantity	Nos.	1	1	1	2	
Compress Type		Rotary	Scroll	Scroll	scroll	
Heat Exchanger	Twisted double coil titanium heat exchanger					
Fan Quantity	Nos.	1	1	2	2	
Fan Power Input	W	200	200	120×2	260×2	
Fan Speed	RPM	830	830	850	920	
Air flow volume	m³/h	4000	5500	3200×2	4200×2	
Fan Direction						
Noise	db(A)	58	58	56	61	
Water Connection	mm	50	50	50	63	
Water Flow Volume	m3/hr	3	5	6	8	
Water Pressure Drop	kPA	10	12	12	15	
Ambient Temperature	°C	-7~53				
Refrigerant		R407C				
Cooling: Outdoor Air Temp: 43°C/32°C, Inlet Water Temp: 32°C						
Cooling Capacity	kW	8.8	14.5	17	25	
Cooling Capacity	BTU/h	30000	49500	59500	85300	
Cooling Power Input	kW	2.85	5.1	5.8	8.4	
EER		3.09	2.84	2.93	2.98	
Net dimension	mm	743x700x830	743x700x830	1440x562x860	1490x735x1130	
Shipping Dimensions (l/w/h)	mm	765x735x860	765x735x860	1470x620x990	1510x790x1305	
Net weight/Shipping weight	kg	82/94	110/123	128/152	226/249	

ON - OFF HEAT PUMP (R407C)

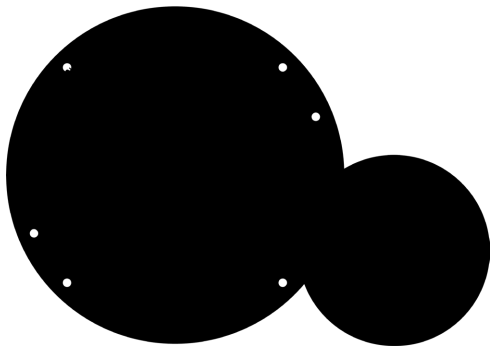
COMMERCIAL SWIMMING POOL HEAT PUMP



	PASRW100S-U-T3	PASRW130S-U-T3	PASRW200S-U-T3	PASRW250S-V-T3	PASRW400S-U-T3	PASRW500S-V-T3	PASRW250S-V-60	PASRW500S-V-60
	Heating: Outdoor Air Temp: 24°C/19°C, Inlet Water Temp: 27°C							
	45	55	82	108	160	210	108	207
	45	187000	280000	360000	550000	714000	360000	505000
	9	10.8	20	22.4	34.2	44.8	22.4	45
	5.00	5.09	4.10	4.82	4.68	4.69	4.82	4.60
	16.4/15.7	16.8/17.5	34.2/35	37.9/38.3	74.2/61.0	92.8/79.8	37.9/38.3	93/85
	415V/3N~/50Hz						380~415V/3N~/60Hz	
	2	2	3	2	3	4	2	4
	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll
	Twisted double coil titanium heat exchanger							
	2	2	3	2	2	2	2	2
	260×2	260×2	200×3	200×2	1780×2	2000×2	200x2	1500×2
	830	830	830	830	870	920	830	870
	5300×2	6000×2	5800×3	8000×2	20000×2	23000×2	8000x2	23000×2
	Vertical							
	61	61	65	66	65	67	66	67
	63	63	63	110	110	110	110	110
	10	13	20	25	40	50	25	50
	10	13	20	25	24	24	25	24
	-7~53						2.53	
	R407C							
	Cooling: Outdoor Air Temp: 43°C/32°C, Inlet Water Temp: 32°C							
	30	38	58	72	120	150	72	148
	102000	130000	198000	245000	410000	510000	245000	505000
	9.5	10.3	19.5	21.6	41.6	52.1	21.6	52
	3.16	3.69	2.97	3.33	2.88	2.88	3.33	2.85
	1448x750x1280	1448x750x1280	2150x760x1310	2170x1065x1930	2170x1065x2305	2180x1080x2060	2170x1070x2030	2180x1080x2060
	1540x770x1395	1540x770x1395	2240x830x1450	2240x1180x2000	2210x1210x2370	2240x1220x2120	2240x1180x2000	2240x1220x2120
	240/284	247/282	360/418	695/755	752/790	960/1005	695/755	960/1005

INTELLIBRITE®

ARCHITECHTURAL SERIES POOL AND SPA LIGHTING



IntelliBrite® Architectural Series Pool Lights

IntelliBrite® Architectural Series Spa Lights

FEATURED HIGHLIGHTS

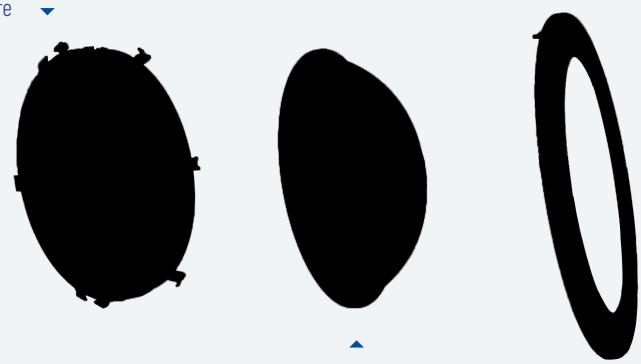
- **Morelight, more energy efficient**—now **60%** brighter and **50%** more energy efficient.*
- **Spreads light widely and evenly** in all directions using a 3D light engine and convex lens.
- **Provides cleaner white light** with no color separation thanks to improved optics.
- **Color for every mood** with five brilliant colorlights and seven dynamic color-changing light shows.
- **High-quality components** add durability to the dazzle due to long-lasting construction.
- **Compatibility with Pentair 10" and 6" niches** enables an ideal upgrade from incandescent or first-generation LED lights.
- **Adds instant ambiance** with easy customer pool control through a Pentair automation system, if available, or a Color Sync™ Controller for Pentair Color LED Lights.

REDISCOVER NIGHTTIME POOL MAGIC. IN A WHOLE NEW LIGHT

Introducing the next generation of pool illumination.

Help your customers rediscover the magic of the nighttime pool experience — in a whole new light. Presenting IntelliBrite® Architectural Series Pool and Spa Lighting. This significant innovation helps you deliver a more dazzling and dynamic LED pool lighting experience using an advanced proprietary design from a trusted pool lighting leader.

Improved optics enhances color mixing, provides a cleaner white light and reduces glare



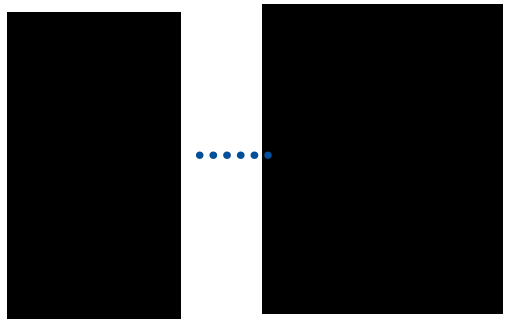
Tempered glass convex allows a wider angle lens of light distribution

Stainless steel ring adds a sleek finish and helps prevent cracking and corrosion

Instant ambiance. At your fingertips.

SUCH VIBRANT VERSATILITY

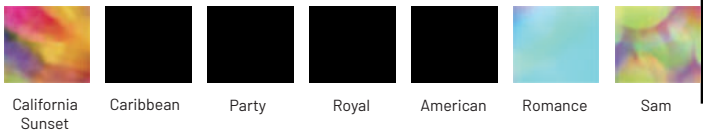
With five vibrant colors and seven dynamic color changing light shows, the Color Sync Controller makes you the automated artist of your pool.



INTELLIBRITE®

ARCHITECHTURAL SERIES POOL AND SPA LIGHTING

Dynamic color-changing light shows

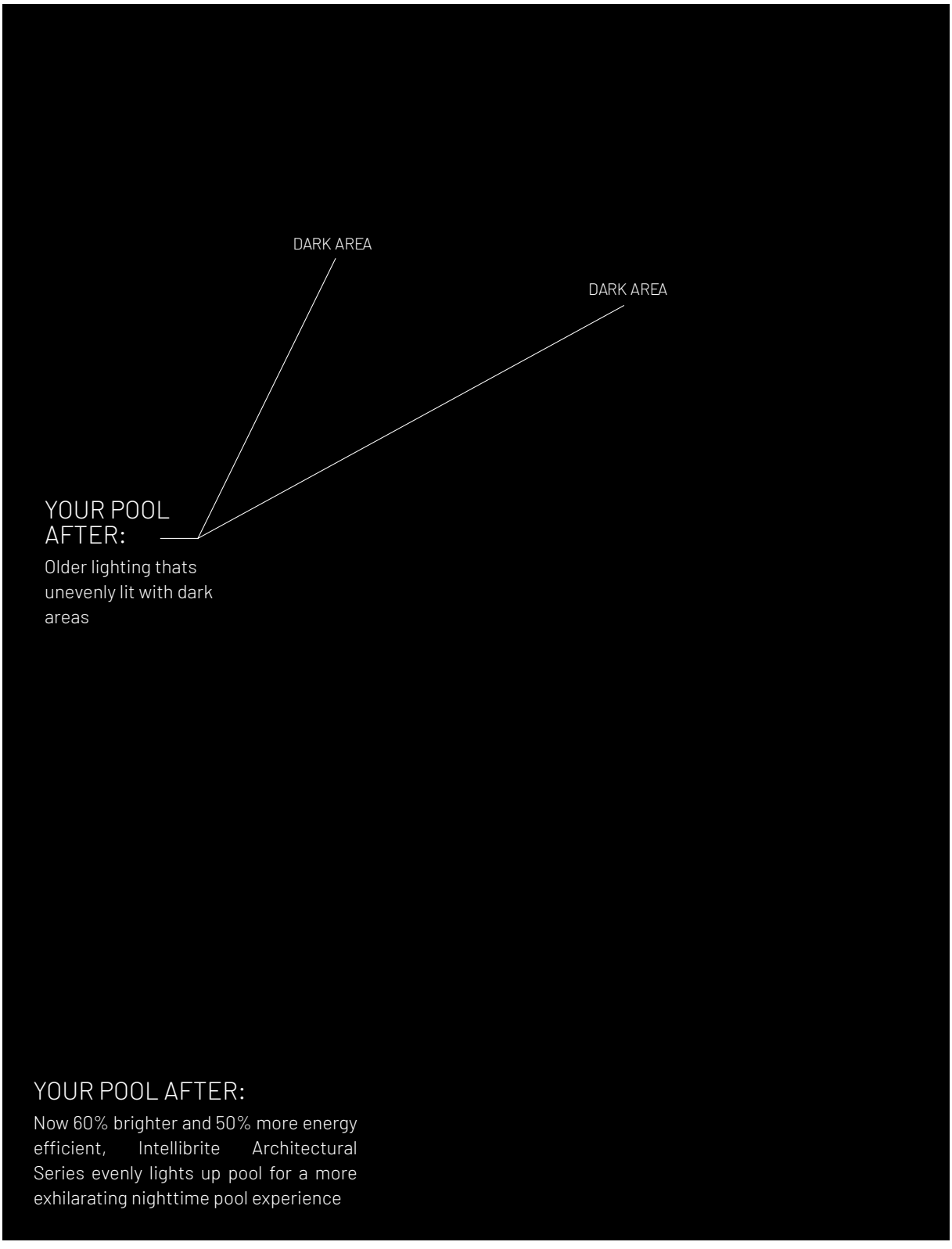


California Sunset | Caribbean | Party | Royal | American | Romance | Sam

Brilliant color choices



Blue | Green | Magenta | White | Red



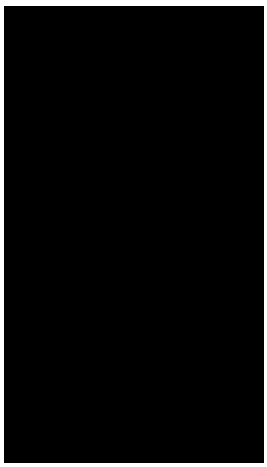
INTELLIBRITE®

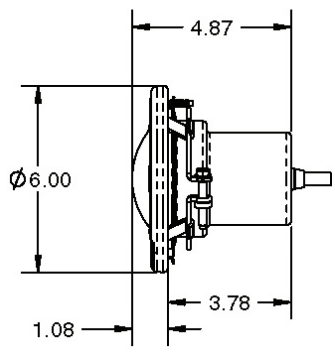
ARCHITECHTUAL SERIES POOL AND SPA LIGHTING

ORDERING INFORMATION

Size	Model	Voltage	Power	Part Number By Cord Length (Feet)				
				30	50	100	150	250
Pool	Color	120V	28W	602185	602186	602187	602188	602206
Pool	Color	12V	28W	602151	602152	602153	602154	-
Spa	Color	120V	18W	602201	602202	602203	602204	602205
Spa	Color	12V	18W	602197	602198	602198	602200	-
Pool	White 300W Equivalent	120V	26W	602181	602182	602183	602184	602207
Pool	White 300W Equivalent	12V	26W	602143	602144	602145	602146	-
Pool	White 500W Equivalent	120V	31W	602177	602178	602179	602180	602208
Pool	White 500W Equivalent	12V	31W	602139	602140	602141	602142	-
Spa	White100W Equivalent	120V	18W	602193	602194	602195	602196	602209
Spa	White 100W Equivalent	12V	18W	618015	618016	618017	618018	-
Pool	Warm White	120V	31W	602189	602190	602191	602192	602221
Pool	Warm White	12V	31W	602147	602148	602149	602150	-
Spa	Warm White	120V	18W	602225	602226	602227	602228	602229
Spa	Warm White	12V	18W	602238	602239	602240	602241	-

Dimensions





LACUS SURFACE MOUNT LED LIGHTS

HIGH POWER UNDERWATER LED LIGHT



FEATURED HIGHLIGHTS

- Ultra-Thin LED panel technology
- Superior geometric lens strengthen the light beam throughout the wide angle lens and lighten the entire pool
- Unlike other LED lights, Pentair high power LED light keeps working even a single LED bulb goes out
- Waterproof Standard: IP68
- With 2.5m safety rubber cable
- Direct wall-mount design for simple installation

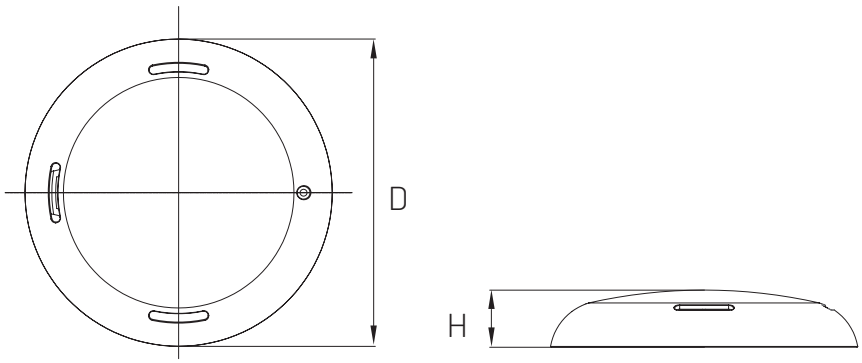
CE

Pentair high power LED light is the industrial leading nicheless LED pool and Spa light, designed to delivery brilliant and vibrant colors by a single light.

ORDERING INFORMATION

Part Number	Description	Voltage	Wattage	Chord Length (meter)	Facing Ring Dia. mm (D)	Height mm (H)
LED8W	Surface Mounted LED Light 198 LEDs White	12V AC	8	2.5	265	12.5
LED20W	Surface Mounted LED Light 252 LEDs Warm White	12V AC	20	2.5	280	12.5
LED35W	Surface Mounted LED Light 441 LEDs Warm White	12V AC	35	2.5	295	12.5

Dimensions



MICROBRITE™

COLOR, WHITE AND WARM WHITE LED LIGHT



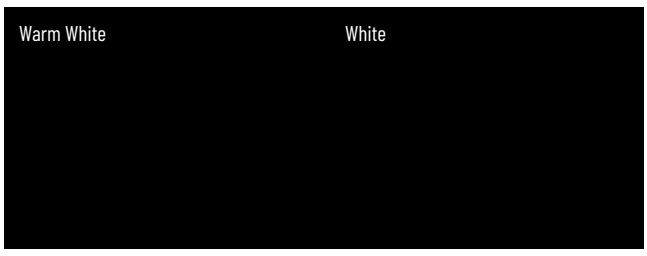
THE INDUSTRY'S SMALLEST, ULTRA-BRIGHT LED LIGHT.
MicroBrite LED Lights give pools a brilliant lighting upgrade without the installation difficulties. Only 3.5-in. long, they fit easily into standard 1.5-in. wall fittings and are suitable for retrofit into many pools with older fiber option systems.

All Pentair UL Listed underwater lights are certified for use in fresh water with up to 6,000 ppm salinity.

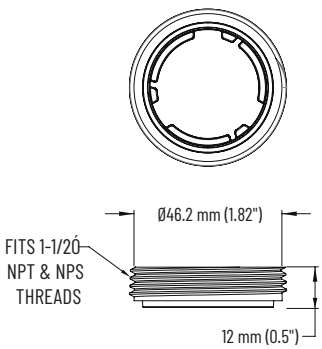
FEATURED HIGHLIGHTS

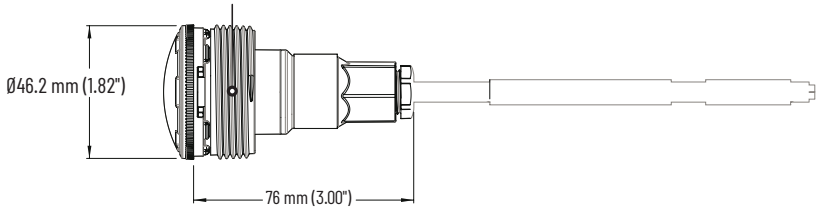
- No niche required; fits in any standard 1.5-in. pool wall fitting
- Installs horizontally or vertically in as shallow as 10 cm
- Compatible with Pentair automation systems and the IntelliBrite Controller
- Fit where others don't, such as in narrow walls and tight spaces
- Add visual excitement along steps, sun shelves and in swimouts
- cULus Certified

Product	Description	Voltage	Wattage	Max luminous flux (lm)*
MicroBrite Led Light				
EU-620424	MicroBrite, MultiColor, 3 meter of cable	12V	12W	900
EU-620428	MicroBrite, White, 3 meter of cable	12V	12W	1200
EU-620457	MicroBrite, Warm White, 3 meter of cable	12V	12W	1200
Replacement Kits				
620460	MicroBrite Light Adaptor (replacement)			
602158Z	Installation Tool (replacement)			
620463	Conduit Seal O-Ring (replacement)			
Transformers (Landscape And Pool Rated)				
619962	14V-12V		100W	-
619963	14V-12V		300W	-



DIMENSIONS





GLOBRITE® WHITE AND COLOR

SHALLOW WATER LED LIGHTS



GloBrite LED Light
Concrete Niche

LISTED

FEATURED HIGHLIGHTS

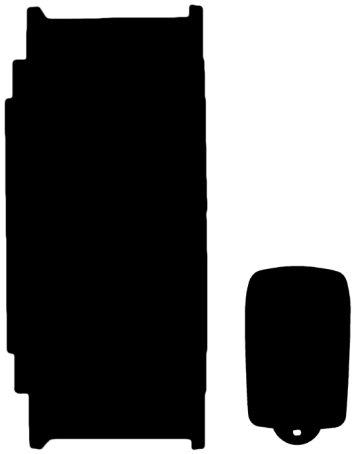
- The brightest and most efficient LEDs available.
- Can be placed in as little as 4 in. of water.
- Does not require grounding or bonding for quick and easy installations.
- 5 brilliant fixed colors and 7 pre-programmed light shows.
- Compatible with IntelliTouch® or EasyTouch® Control Systems for advanced control features.
- Compliments IntelliBrite® 5g LED Pool Lighting using the same fixed colors and color shows.
- Compatible with gunite, fiberglass and vinyl pools.

GloBrite® LED Lights use advanced technology for energy-efficient, high quality light displays, delivered with enhanced LED brightness and superior optics, while using 18% less energy than other shallow water LED lights. Globrite lights are compatible with IntelliPool control systems and IntelliBrite 5g LED pool lights. GloBrite LED lighting is a brilliant way to showcase and enhance pool features like baja shelves, steps, beach entries and shallow water features.

Product	Voltage (VAC)	Wattage (W)	Cord Length (Ft.)	Luminosity (lm)
GloBrite Color LED lights				
602053	12	15	10	700
602054	12	15	15	700
602055	12	15	30	700
GloBrite White LED lights				
602102	12	15	30	1
602103	12	15	50	1
GloBrite Niches				
620040	Gunite Niche for GloBrite - Dimension : 210x115x110			1
620039	Vinyl Niche for GloBrite - Dimension : 210x115x110			1
620041	Fiberglass Niche for GloBrite - Dimension : 210x115x110			1
GloBrite Kits				
619993	1 GloBrite 100 ft. with 300W Transformer + Gunite Niche			1
619994	2 GloBrite 100 ft. with 300W Transformer + 2 Gunite Niches			1
620051	1 GloBrite 100 ft. with 300W Transformer + Fiberglass Niche			1
620052	2 GloBrite 100 ft. with 300W Transformer + 2 Fiberglass Niches			1
620080	1 GloBrite 100 ft. with 300W Transformer + Vinyl Niche			1
620081	2 GloBrite 100 ft. with 300W Transformer + 2 Vinyl Niches			1

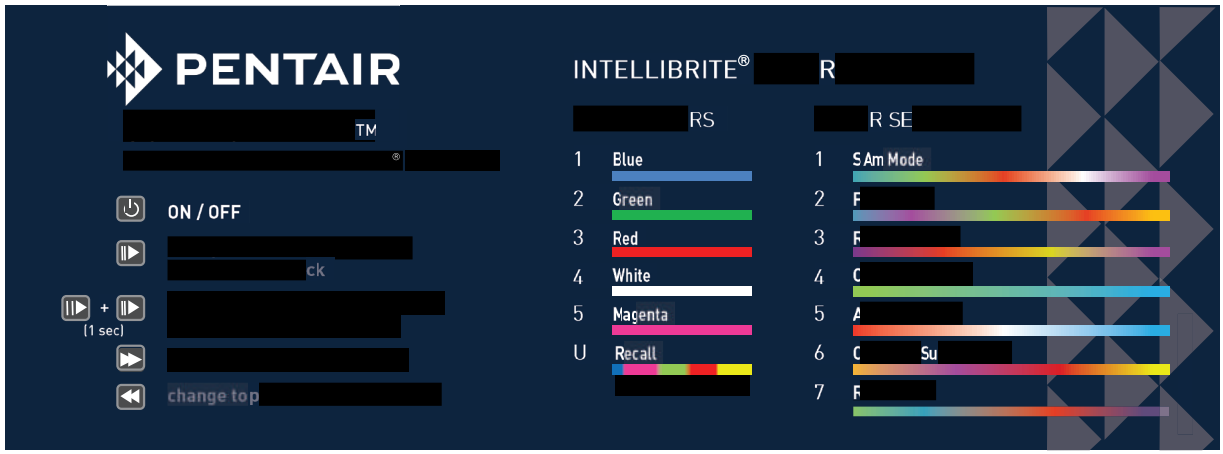
CONTROLBRITE™ LIGHTS

CONTROLLER WITH REMOTE CONTROL



FEATURED HIGHLIGHTS

- Compact module, easy to install on a DIN rail in exisiting electric panel .
- Remote Control with up to 30m range
- Compatible with ControlPro.
- Selection of 5 fixed colors and 7 light shows.
- Convenient hold and recall function.
- Fixed color or light show numbers appears on the display.
- Includes two stickers with the numbers of the fixed color options of the light shows for easy management and convenience.



ORDERING INFORMATION

Model	Description
CTRB-1010	ControlBrite™ Lights Controller with remote control

PLASTIC NICHES

PLASTIC NICHES FOR SWIMMING POOLS AND SPAS



79206600

79206700

LISTED

FEATURED HIGHLIGHTS

Gunite Plastic Niches

- Innovative cord seal grommet (Accessory sold separately).
- Large and small models.
- Rebar tie-backs.
- Plaster ring for secure sealing.
- Internal/external bonding lugs.
- High strength PVC construction.
- Rear one inch PVC hub.
- Includes 45° and 3/4 in. reducer bushings.
- Includes gunite/plaster shield.

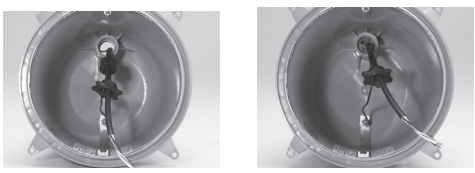
Gunite Plastic Niches – These plastic concrete niches are molded of high strength, corrosion resistant PVC with a one inch PVC hub. Both 450 and 3/4 in. reducer bushings are included. Gunite models feature rebar tie-backs and a plaster ring for clean, simple installations and all are packed with a gunite/plaster shield.

ORDERING INFORMATION

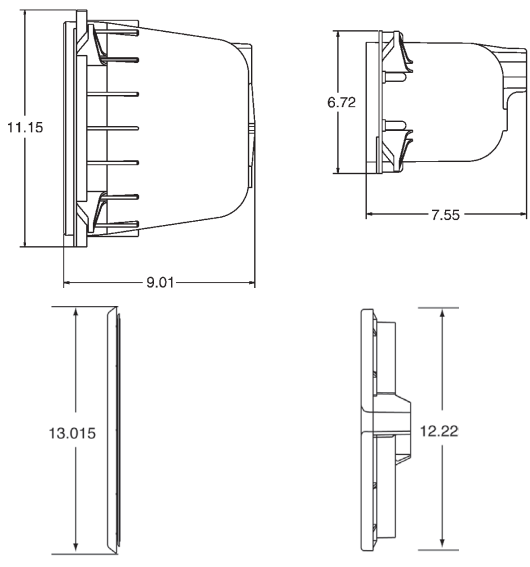
Product	Description	Carton Qty.	Carton Wt. (Lbs.)
Plastic Niche - Concrete			
79206600	Small PVC niche, concrete	12	2
79206700	Large PVC niche, concrete	8	3

DIMENSIONS AND CERTIFICATIONS

Notice : Underwriters Laboratories has listed Pentair Water Pool and Spa, Inc. lights for use with Pentair Water Pool and Spa, Pentair Pool Products, American Products, Purex, or PacFab niches ONLY. To ensure proper grounding/bonding connections install only Pentair Water Pool and Spa lights in Pentair, Water Pool and Spa, Pentair Pool Products, American Products, Purex or PacFab niches only.



Innovative cord seal grommet accessory



TRANSFORMERS

FOR SWIMMING POOL LIGHTS AND LAMINARS

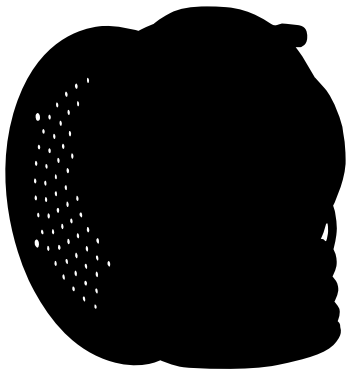


ORDERING INFORMATION

Product	Description
05278-0300	Safety isolating transformer 12V 1 x 300WATT
05278-0600	Safety isolating transformer 12V 2 x 300WATT
G-EVGM-300	Safety isolating transformer 12V/13V/14V 1 x 300WATT
INTB-0100	Safety isolating transformer 12V/13V/14V 1 x 100W (VA)
INTB-0300	Safety isolating transformer 12V/13V/14V 1 x 300W (VA)

UNDERWATER SPEAKERS

SUPERB COLLECTION OF UNDERWATER SPEAKERS



FEATURED HIGHLIGHTS

Fountain Fixtures

- Sturdy cast bronze construction with attractive natural bronze finish.
- Base and yoke-mount rotate 360° and pivot 180°.
- Integrated bonding lug for electrical safety.
- Innovative strain-relief prevents damage to wiring connections.
- Niche installation option available.
- Large fixture for use with the IntelliBrite® 5g Pool Light for water fountains, and Amerlite® lights listed for fountain use.
- Small fixture for use with IntelliBrite® 5g Spa Light, AquaLight®, and SpaBrite® lights listed for fountain use.
- For use with Pentair fountain fixtures and niche kits
- Same functionality and color cycles as the standard IntelliBrite® 5g for swimming pools.
- Selectable beam pattern lens for standard and wide beam angle options.

Sealed speaker for an underwater communication system between coach and swimmers, for providing background music for synchronized swimming and for scuba instruction. One speaker required for each 900 sq. ft. of pool surface area in deep water and one per 1200 sq. ft. in shallow area. Speakers are installed flush in niches within the pool wall and are covered by a protective grille. UL listed and recommended for use with Paragon niche.

UW30 UNDERWATER LOUD SPEAKER

A single 30-watt speaker adequately covers a 30′ x 30′ pool. Encased in blue high-impact ABS cover and sealed for underwater use to a depth of up to 10 feet.
(Niche and grill sold separately).
50′ cord I.D. No. 68101-1

NICHE FOR UW30 SPEAKER

Heavy-duty, cast bronze construction with 3/4" IPS threaded connection. Includes mounting hardware.
Recommended mounting location is up to 4 feet below surface of the water and flush with the pool wall.
I.D. No. 68102

STAINLESS STEEL GRILLE

Mounts flush with pool wall.
I.D. No. 68103SS

PROWLER - P10, P20 & P25

ROBOT SWIMMING POOL CLEANERS

FEATURED HIGHLIGHTS

- Light and ergonomic
- Methodical and effective
- Easy to maintain

[redacted]



PROWLER P10

PROWLER P25

PROWLER P20

Easy to carry and ergonomic

Very thin with ultra-compact dimensions and weighing less than 6 kg, it is as easy to carry as a small school bag.

Equipped with a very fast water drain coupling system, taking it out of the water is a real joy.

Its design makes its transport, storage and also taking it out of your pool quicker and easier.

Methodical and effective

Fitted with a smart navigation system, our little fish starts by:

- Scanning the pool,
- Optimising its cleaning,
- Adapting its speed to the slope of the pool.

It does its job perfectly during its cycle with minimal energy consumption, leaving you more time to enjoy your pool.

You will appreciate its perfect movement and turning, made possible by its two motors and its drive system.

You will admire it elegantly climbing the walls and obstacles.

Easy to maintain

Very comfortable in the water, the robot moves smartly, to the right, to the left, forwards and backwards, to avoid tangling its cable.

Once your pool is clean, access to the filter and cleaning are very easy. You simply need to press the button located on the front of the robot to open the cover and flush the filter(s) with water: child's play!

Get more out of your pool by reducing maintenance times.

[redacted]

FEATURES & BENEFITS

Ultra light < 6kg, Hyper compact dimensions, No cable entanglement	→ Easy to carry and ergonomic
High suction flow rate, Smart navigation with automatic course correction, Optimal displacement	→ Methodical and efficient cleaning of the whole pool
Filtration 100 microns, Ultra easy top access, Basket easy to clean with a garden hose	→ Fine filtration – quick to clean
The connected system	→ Allows you to register your robot pool cleaner online and control it remotely.

PROWLER - P10, P20 & P25

ROBOT SWIMMING POOL CLEANERS



PROWLER RC APPLICATION

PROWLER RC

Thanks to the Prowler RC application, you can easily register your robot pool cleaner online and control it remotely, activate cleaning programs and set the timer. Easily control your Prowler P20 robot cleaner in your pool.

Download on the App Store

GET IT ON Google Play



PART NUMBER		PROWLER P10	PROWLER P20	PROWLER P25
POOL	Size	30 m2 - length up to 8 m	70 m2 - length up to 12 m	80 m2 - length up to 14 m
	Shape	All shapes and finishes	All shapes and finishes	All shapes and finishes
EQUIPMENT	Length of floating cable	12 m	16 m	18m
	Type of filter	Single-layer filtration	Double-layer filtration	Double-layer filtration
	Access to the filter	From the top of the robot	From the top of the robot Filter full indicator	From the top of the robot Filter full indicator
	Type of brush	PVC brushes	PVC brushes	PVC brushes
	Caddy	No	No	Yes
CLEANING	Type of cleaning	Bottom	Bottom, sides and water line	Bottom, sides and water line
	Cycle duration	1 h 30 min	1 h 30 min, 2 h or 2 h 30 min	1 h 30 min, 2 h or 2 h 30 min
	Remote control	Not available	Mobile application	Mobile application
	Navigation technology	Smart Navigation Gyroscope Inlet span detection	Smart Navigation Gyroscope Inlet span detection	Smart Navigation Gyroscope Inlet span detection
WARRANTY		1 Year	1 Year	1 Year

MAGICFLAME™

FIRE AND WATER BOWL





FEATURED HIGHLIGHTS

Dazzle a backyard oasis with the flickering of flames or relax to the soothing sounds of falling water with MagicFlame. With five finish options to match most poolside decors, MagicFlame is the perfect pool accessory to make backyards a step away from paradise. Made with durable glass fiber reinforced concrete, MagicFlame can add warmth to pool ambiances and activate the swimming senses for years to come.

- 5 finishes to match most poolscape décor
- Glass fiber reinforced concrete bowls for ultimate longevity; complete with weatherproof and anti-corrosion enclosure
- Electronic ignition calls for easy operation with the flip of a switch or push of a button
- Simple installation with only two wires to hook up to a voltage relay or a transformer, sold separately
- Gas-fueled fire appliance creates the natural ambiance of a flame without smoke or byproducts, enabling users to safely enjoy the fire
- Pair with a Pentair Automation System to light up backyards from anywhere, anytime

FIRE UP BACKYARDS WITH MAGICFLAME FIRE AND WATER BOWL!



MAGICFLAME™

FIRE AND WATER BOWL

Designed to warm up every backyard oasis.

Create the ideal pool ambiance with our assortment of MagicFlame design options. With five different finishes, various accessories and two bowl shapes in lava rock or fire glass textures, pool owners can curate a soothing and warm backyard scene.



Bronze Round



Pewter Round



Natural Round



White Round



Black Round

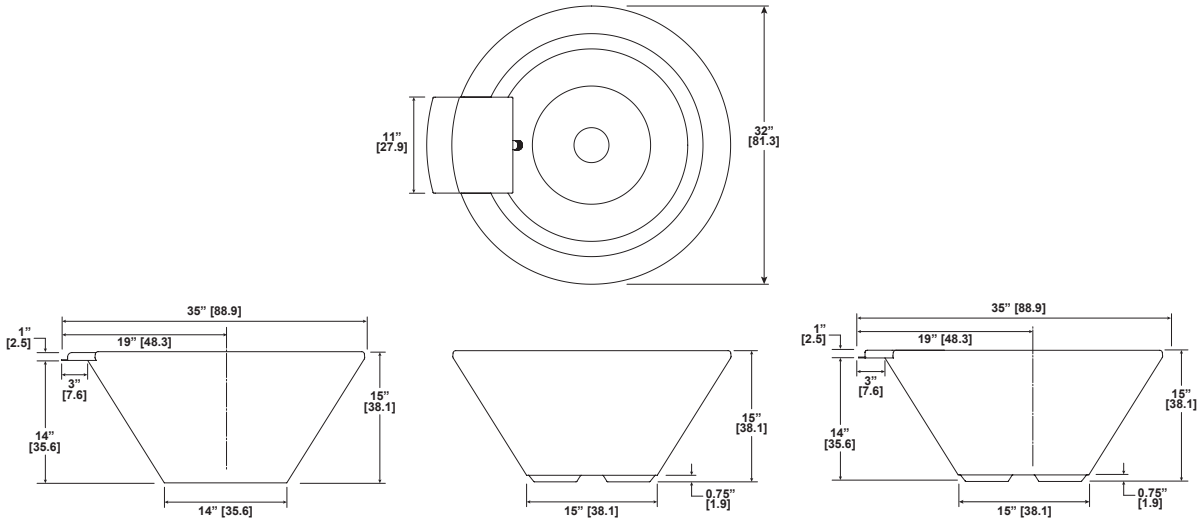
ORDERING INFORMATION

Product	Description	Weight (LBS)	Dimensions
580165	Round 32» Fire Only Bowl, 12V, Bronze	245	42"X42"X25"
580166	Round 32» Fire Only Bowl, 12V, Pewter	245	42"X42"X25"
580167	Round 32» Fire Only Bowl, 12V, Natural	245	42"X42"X25"
580168	Round 32» Fire Only Bowl, 12V, White	245	42"X42"X25"
580169	Round 32» Fire Only Bowl, 12V, Black	245	42"X42"X25"
580170	Round 32» Fire and Water Bowl, 12V, Bronze	245	42"X42"X25"
580171	Round 32» Fire and Water Bowl, 12V, Pewter	245	42"X42"X25"
580172	Round 32» Fire and Water Bowl, 12V, Natural	245	42"X42"X25"
580173	Round 32» Fire and Water Bowl, 12V, White	245	42"X42"X25"
580174	Round 32» Fire and Water Bowl, 12V, Black	245	42"X42"X25"
580175	Round 32» Water Only Bowl, Bronze	245	42"X42"X25"
580176	Round 32» Water Only Bowl, Pewter	245	42"X42"X25"
580177	Round 32» Water Only Bowl, Natural	245	42"X42"X25"
580178	Round 32» Water Only Bowl, White	245	42"X42"X25"
580179	Round 32» Water Only Bowl, Black	245	42"X42"X25"
580180	Square 32» Fire Only Bowl, 12V, Bronze	245	42"X42"X25"
580181	Square 32» Fire Only Bowl, 12V, Pewter	245	42"X42"X25"
580182	Square 32» Fire Only Bowl, 12V, Natural	245	42"X42"X25"
580183	Square 32› Fire Only Bowl, 12V, White	245	42"X42"X25"
580184	Square 32› Fire Only Bowl, 12V, Black	245	42"X42"X25"
580185	Square 32» Fire and Water Bowl, 12V, Bronze	245	42"X42"X25"
580186	Square 32» Fire and Water Bowl, 12V, Pewter	245	42"X42"X25"
580187	Square 32» Fire and Water Bowl, 12V, Natural	245	42"X42"X25"
580188	Square 32» Fire and Water Bowl, 12V, White	245	42"X42"X25"
580189	Square 32» Fire and Water Bowl, 12V, Black	245	42"X42"X25"
580190	Square 32» Water Only Bowl, Bronze	245	42"X42"X25"
580191	Square 32» Water Only Bowl, Pewter	245	42"X42"X25"
580192	Square 32» Water Only Bowl, Natura	245	42"X42"X25"
580193	Square 32» Water Only Bowl, White	245	42"X42"X25"
580194	Square 32» Water Only Bowl, Black	245	42"X42"X25"

MAGICFLAME™

FIRE AND WATER BOWL

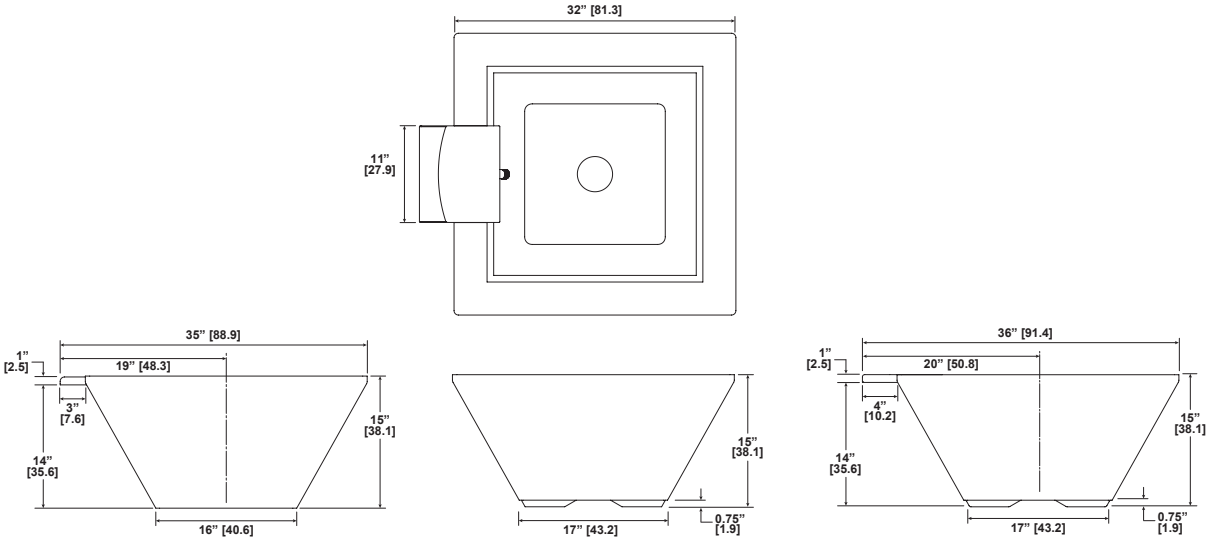
DIMENSIONS



WATER BOWL - ROUND	
Bronze	580175
Pewter	580176
Natural	580177
White	580178
Black	580179

FIRE BOWL - ROUND	
Bronze	580165
Pewter	580166
Natural	580167
White	580168
Black	580169

FIRE/WATER BOWL - ROUND	
Bronze	580170
Pewter	580171
Natural	580172
White	580173
Black	580174



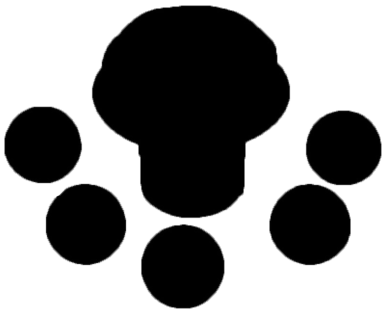
WATER BOWL - SQUARE	
Bronze	580190
Pewter	580191
Natural	580192
White	580193
Black	580194

FIRE BOWL - SQUARE	
Bronze	580180
Pewter	580181
Natural	580182
White	580183
Black	580184

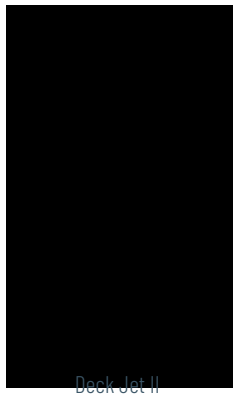
FIRE/WATER BOWL - SQUARE	
Bronze	580185
Pewter	580186
Natural	580187
White	580188
Black	580189

MAGICSTREAM®
DECK JET I & DECK JET II

GRACEFULL WATERARCS



Deck Jet



Deck Jet II





FEATURED HIGHLIGHTS

Deck Jet

- Deck Jet includes five interchangeable water effect eyeballs that are easy to remove and simple to change. Also Includes construction shield.
- Streams reach to eight feet, and direction can be easily adjusted.
- Low water pressure requirement for minimum impact on pump performance.

Deck Jet II

- Height is adjustable to a maximum of six feet. Water direction is adjustable up to 360 degrees.
- Easy-to adjust nozzles enable your creativity : concentrate all streams into a single entry point, overlap streams of different heights, or create a symmetrical, multi-stream archway... and more.
- Quality design assures low water flow requirements and eliminates any concerns about standing water or unwanted debris collection.
- Attractive installation with no unsightly or unsafe edges or screws.

Deck Jet water effects can be cast into concrete decks and gunite pool walls, mounted in the sidewall of aboveground and vinyl-lined pools, or blended into surrounding landscapes.

MagicStream® **Deck Jet II** creates a graceful arc of water that enters the pool with a gentle splash. The stream seems to appear magically from the pool deck since the jet installs flush and out of sight.

ORDERING INFORMATION

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
Deck Jet			
580000	Magic Stream® Deck Jet	1	1
Deck Jet II			
580003	Magic Stream® Deck Jet II	4	3

MAGICSTREAM® LAMINAR

COLOR-CHANGING WATER ARCS





MagicStream® Laminars create totally clear, uniform arcs of moving water that originate from either your pool deck or surrounding landscape. At night, these translucent streams are brilliantly colored with either an LED light source. The result is a water effect that adds an elegant bit of entertainment to your poolscape.

FEATURED HIGHLIGHTS

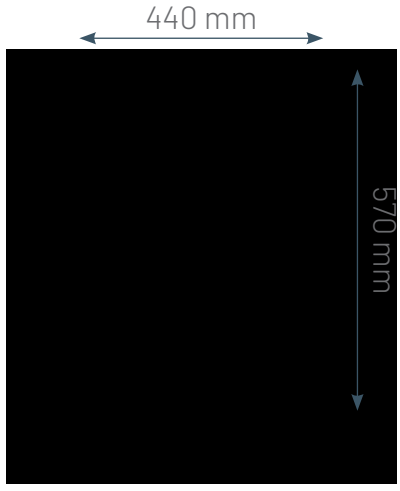
- Laminar water streams can reach up to 7 feet high and project outward up to 8 feet into your pool, spa, or other water feature.
- Choose energy efficient LED lighting for a nearly endless array of color choices. Nighttime lighting effects include the ability to hold on a steady color or scroll through a range of available colors.
- Installation is made flush to your deck or other surface; no unsightly or unsafe edges, just the magic of water erupting from a hidden source.
- Water streams are easily adjusted in two ways - vertically from 62 degrees to 75 degrees to create different heights and arc shapes. Left and right direction can be adjusted up to 60 degrees total.
- Laminar deck lids are available in tan, black, and gray to match or complement pool deck or other installation surface.
- LED Laminars include 100 ft. of electrical cable; simply connect to a 120/12VAC-100 Watt pool lighting transformer to provide power.
- The technical principal behind MagicStream Laminars is to remove all turbulence and air bubbles from the water before projecting it through a finely-machined nozzle. The laminar water flow is very non-turbulent, so it keeps its surface tension and flows through the air in a smooth, clean, unbroken stream, instead of spraying apart into droplets.
- Magic Stream Laminars ship fully assembled and ready to install.

ORDERING INFORMATION

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
Magicstream Laminars			
580001B	Laminar LED, Black Lid (LED light requires 12V power)	1	21
580001G	Laminar LED, Grey Lid (LED light requires 12V power)	1	21
580001T	Laminar LED, Tan Lid (LED light requires 12V power)	1	21

DIMENSIONS AND PERFORMANCE

Laminars Performance Data			
Gallons (US GPM)	6.0	7.5	8.5
Inlet Pressure (psi)	2.5	3.5	4.5
Height of Jet (Ft.)	5.0	6.0	7.0



COLORVISION® LED LIGHT BUBBLER

WITH GLOBRITE LED LIGHTS



FEATURED HIGHLIGHTS

- Energy efficient color LED lights with vibrant colors
- Provides 5 brilliant fixed colors, 7 dazzling light shows.
- Designed for 2 in. - 10 in. of water depth.
- Plume height up to 24 in.
- Low voltage operation of 12 VAC / 15W.
- Cord length available in 30 ft., 50 ft., 100 ft. or 150 ft.
- Low flow requirements allow for multiple units per pool.
- PVC niche provides for flush mounting.
- The perfect complement to IntelliBrite® 5g LED Pool Lighting for dynamic and synchronized colored light shows.

ORDERING INFORMATION

Product	Description	Carton Qty.	Carton Wt.
	COLORVISION LED LIGHT BUBBLER		
580037	ColorVision Gunite Niche Kit (Niche only - must order GloBrite separately)	1	5
580036	ColorVision Vinyl/Fiberglass Niche Kit (Niche only - must order GloBrite separately)	1	5

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
			GLOBRITE COLOR LED LIGHTS		
602053	12	15W	30	1	5
602054	12	15W	50	1	6
602055	12	15W	100	1	9
602056	12	15W	150	1	12
602102	12	15W	30	1	5
602103	12	15W	50	1	6
602104	12	15W	100	1	9
602105	12	15W	150	1	12

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
			TRANSFORMERS (LANDSCAPE AND POOL RATED)		
619962	12 - 14	100 W	-	1	12
619962	12 - 14	300 W	-	1	12

DIMENSIONS AND PERFORMANCE

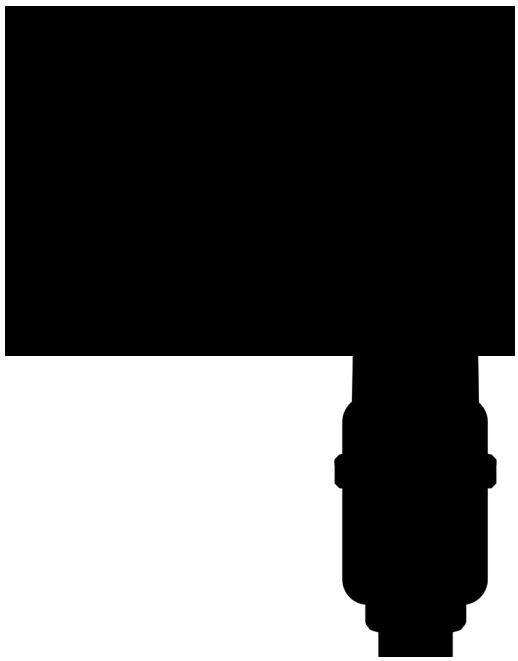
Water Depth

	2″		4″		6″		8″		10″	
Plume Height										
	Nozzle Diameter									
GPM	1/2″	3/4″	1/2″	3/4″	1/2″	3/4″	1/2″	3/4″	1/2″	3/4″
20		20″		13″		12″	19″	7′	15″	6″
30						23″		15″		12″
40								21″		17″
45										20″

Note : Plume height may vary.

INTELLICHLOR® PLUS & LT

SALT CHLORINE GENERATORS



FEATURED HIGHLIGHTS

- Drop-in replacement for existing Pentair salt chlorine generators, which requires no additional plumbing.
- Compatible with existing IntelliChlor Power Center and Pentair automation systems.
- Modular design enables simple replacements for electronics and sensors.
- Easy-to-read LCD/LED interface with built-in diagnostic information makes service easier.
- SmartSense™ technology accurately adjusts chlorine output when the pump is off or the pool cover is detected as on.
- A redesigned conductivity sensor provides more accurate salt level readings.
- Acid cleaning kit provided with all units makes routine cleaning easier.
- Regular cycling helps prevents calcium and scale buildup to maximize cell life.

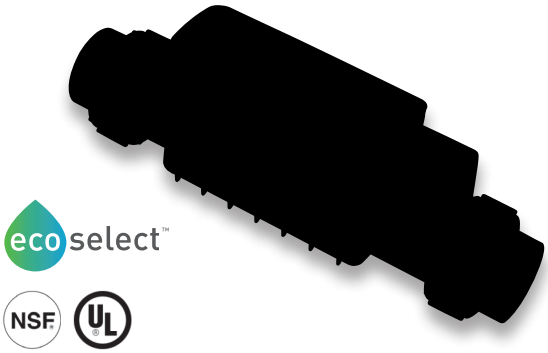
The IntelliChlor Plus & LT Salt Chlorine Generators have new and improved modular designs — providing more serviceability, accuracy, and value than Pentair's first-generation IntelliChlor® and iChlor® Salt Chlorine Generators.

ORDERING INFORMATION

Product	Description	Chlorine Production
523738	IntelliChlor Plus60 – 60K Cell	2.00 lbs per 24 hrs at 100%
523735	IntelliChlor Plus40 – 40K Cell	1.40 lbs per 24 hrs at 100%
523730	IntelliChlor Plus30 – 30K Cell	1.10 lbs per 24 hrs at 100%
523747	IntelliChlor LT25 – 25K Cell	0.90 lbs per 24 hrs at 100%
523741	IntelliChlor LT15 – 15K Cell	0.65 lbs per 24 hrs at 100%
523733	IntelliChlor Plus30 – 30K Cell & Power Center	1.10 lbs per 24 hrs at 100%
523750	IntelliChlor LT25 – 25K Cell & Power Center	0.90 lbs per 24 hrs at 100%
523744	IntelliChlor LT15 – 15K Cell & Power Pack	0.65 lbs per 24 hrs at 100%

INTELLICHLOR®

COMMERCIAL SALT CHLORINE GENERATOR

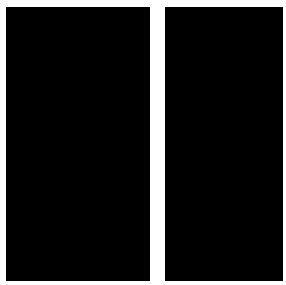


IntelliChlor® Salt Chlorine Generator uses common table salt to produce all the chlorine a pool needs, safely, effectively, and automatically. Same sanitation performance as manual chlorine addition without the drawbacks. No need for customers to buy, transport and store chlorine compounds.

FEATURED HIGHLIGHTS

- Each single cell produces up to 2 lbs of chlorine per day.
- Manifold systems to 8 cells.
- Systems available with 16 lbs of chlorine output per day *.
- Color LED status displays.
- Performance data captured daily.
- Tracking of remaining cell life.
- Automatic shut-off feature helps protect and prolong cell life.
- Pre-mounted multi-power center configuration.
- Works with ORP Control System to generate chlorine on demand.
- Self-cleaning.
- NSF listed.
- UL Listed.

Possible Power Center and Manifold Configurations



- 120 GPM minimum per manifold.
- Power Centers are mounted on PVC boards and pre-wired for 220 VAC and ORP.

ORDERING INFORMATION

PN	Description	Number of Primary (P) and Secondary (S) IC60 cells	Number of Primary Power Centers (520978)	Number of Secondary Power Centers (520556)	Chlorine per day(lbs)1	Carton Qty.
520970	COMSYS-2	1P	1	0	2	
520971	COMSYS-4	1P, 1S	1	1	4	
520972	COMSYS-6	1P, 2S	1	2	6	
520973	COMSYS-8	1P, 3S	1	3	8	
520974	COMSYS-10	1P, 4S	1	4	10	
520975	COMSYS-12	1P, 5S	1	5	12	
520976	COMSYS-14	1P, 6S	1	6	14	
520977	COMSYS-16	1P, 7S	1	7	16	
521151	IntelliChlor CIC60P Replacement Primary Commercial Cell					1
521005	IntelliChlor CIC60S Replacement Secondary Commercial Cell					1
520978	Intellichlor Replacement Primary Power Center					1
520554	Intellichlor IC20 Cell for 75m³					1
520555	Intellichlor IC40 Cell for 150m³					1
521105	Intellichlor IC60 Cell for 227m³					1
520556	IntelliChlor Replacement Secondary Power Center					1

[1] Codes for commercial pools typically require 2 lbs of chlorine production per every 10,000 gallons. Please consult your local codes for chlorine production requirements.

Note : COMSYS-System includes: Primary Cell, Secondary Cells, Primary Power Center, Secondary Power Centers, and the manifold.
* Contact factory for sizing Commercial IntelliChlor systems for pools larger than 80,000 gallons.

PNR CHLORINATOR

COMMERCIAL SALT CHLORINATOR



FEATURED HIGHLIGHTS

- Manual and automatic regulation of chlorine
- Indicators of ORP and pH values with the optional kits
- Indicators of FREE Chlorine and pH values
- Automatic indicators of low salt and excess salt
- Cleaning cycles can be changed
- Able to work with seawater, up to 35000ppm
- Switch mode power supply. Low energy consumption



PNR Salt Chlorinator New Pentair Salt Chlorinator with separated cell and controller for a safe, effective and easy pool sanitation

Commercial salt water chlorinator
with productions from 250g/h to 1000g/h.

ORDERING INFORMATION

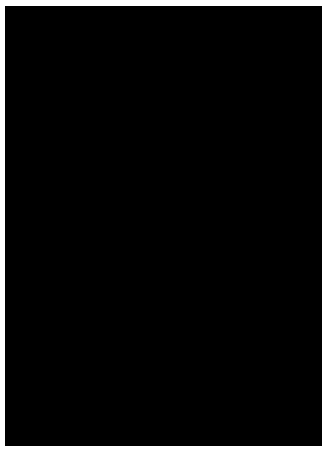
Model	Gr/hour Production	Max power
PNR-COM-250	250gr/h	1.3kW
PNR-COM-400	400gr/h	1.9kW
PNR-COM-500	500gr/h	2.6kW
PNR-COM-600	600gr/h	2.8kW
PNR-COM-750	750gr/h	3.9kW
PNR-COM-1000	1000gr/h	5.2kW

Optional: pH probe, ORP probe, free chlorine probe, temperature probe and water flow sensor.

AUTOMATIC ALARMS

- Caused by low water flow
- Caused by open circuit
- Caused by short circuit
- Caused by high temperature
- Warnings caused by too low or too high salt levels

DOSING PUMP



FEATURED HIGHLIGHTS

- Constant Flow Rate
- Manually Adjustable

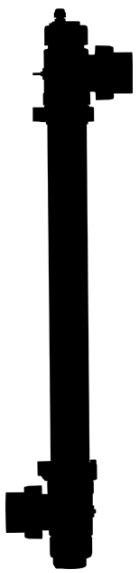
Pentair dosing system are manufactured to the highest of engineering standards using best quality high performance materials.

ORDERING INFORMATION

Part Number	Pressure	Flow	Power
CSL05008SPPF00P	8bar	5lph	12 V

UV-C TECH

SWIMMING WITHOUT CHLORINE



FEATURED HIGHLIGHTS

- A built-in electronic ballast to ensure a smooth power supply
- Up to 35% more UV-C yield as a result of reflection by the Stainless Steel interior
- 316L stainless steel housing
- Easy to install and easy to maintain
- Comes with Ø63mm to Ø50mm fittings, 1½" female threaded

The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This device is able to reduce the chlorine concentration up to 50-80%!

ORDERING INFORMATION

Item Code	Tech UV-C 16W	Tech UV-C 40W	Tech UV-C 75W	Tech UV-C 130W
Type	15.000 / 16W	40.000 / 40W	75.000 / 75W	150.000 / 130W
Part Number	**BE02162**	**BE02402**	**BE02752**	**BE03132**
Rec. flow for 30 mJ/cm²	5 m^3/h	11 m^3/h	16 m^3/h	22 m^3/h
Performance at rec. flow	30 mJ/cm^2	30 mJ/cm^2	30 mJ/cm^2	30 mJ/cm^2
Max. flow	23 m^3/h	23 m^3/h	23 m^3/h	23 m^3/h
Max. pressure	2 bar	2 bar	2 bar	2 bar
Max. Current	0.29A	0.29A	0.57A	1.1A
Packing Size	58 x 26 x 11cm	106 x 26 x 11cm	106 x 26 x 11cm	106 x 26 x 11cm
Weight	2.8kg	3.6kg	3.9kg	5.0kg

BIOSHIELD®

UV DISINFECTION STERILIZER



FEATURED HIGHLIGHTS

System Features:

- Housing Material: Heavy-Wall UV Resistant High-Density Polymer.
- Housing Pressure (Max.): 50 psi / 3.4 bar.
- Housing Inlet/Outlet Port Size: 2" Union.
- UV Lamp(s): Low-Pressure High-Output, T6-style.
- Highest-quality, low-pressure highoutput UV lamps offer 12,000 hours of continuous operation (80% efficient after 12,000 hours).

BioShield residential sterilizers feature Low Pressure High Output (LPHO) lamps that offer approximately twice the UV output of standard Low Pressure (LP) lamps with the same arc length. UV vessels are built of a UV-resistant, high density polymer with a removable end cap to provide easy internal access. Viewing ports allow visual indication of lamp status. Units have 2" slip unions and 5 ¾" diameter housings. 10' cable to ballast and 6' cord. 115V and 230V units are available. Models include an in-line, sealed water-tight power supply for wet applications.

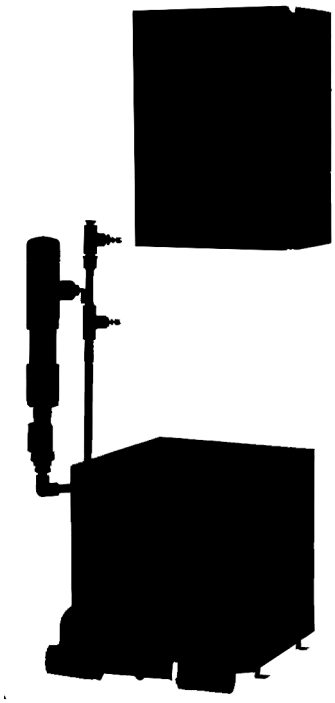
ORDERING INFORMATION

Model	Input Watts	UV-C Output Watts	UV Vessel Dimensions	Voltage	Amps Max Load	30 MJ/CM² GPM/LPM	40 MJ/CM² GPM/LPM
High-Output Sterilizers							
522635	50	15	30" x 6"	115/230 V	1.15/0.57	25/97	17/64
522636	80	27	45" x 6"	115/230 V	1.15/0.57	45/170	32/121
522637	120	37	57" x 6"	115/230 V	1.15/0.57	62/242	43/162
522638	150	57	71" x 6"	115 V	1.85	100/387	70/264
522945	150	57	71" x 6"	230 V	0.85	100/387	70/264

Watts	Seal Kits	Ballast	Voltage	4-Pin Lamp Connector	Lamp	Quartz Sleeve
High-Output Sterilizer Replacements Parts						
50	20375-2	20105-MV	115/230 V	709-1S	FL-2538-IP	FL-QZ175-IP
80	20375-2	20105-MV	115/230 V	709-1S	FL-2997-IP	FL-QZ176-IP
120	20375-2	20105-MV	115/230 V	709-1S	FL-2998-IP	FL-QZ165
150	20375-2	202150-1	115 V	709-1S	FL-2999	FL-QZ167
150	20375-2	202150-2	230 V	709-1S	FL-2999	FL-QZ167

OZONE

CORONA DISCHARGE OZONE SYSTEMS



FEATURED HIGHLIGHTS

- Complete sanitation on contact
- Eliminates odors
- Reduces/eliminates chemical use
- Produced on-site (no storage, mixing, or handling of chemicals)
- Ozone reduces wasterwater pollutants

CORONA DISCHARGE OZONE SYSTEMS

We took our most popular ozonators and combined them with all the ancillary components that make up the perfect installation for exceptional water.
The Pentair Apex Series makes ordering the properly sized and designed package as simple as possible.

ORDERING INFORMATION

Unit	Grams Per Hour @ SCFH			Concentration By Weight @ Rated SCFH			120V/60Hz, AMPS	220V/50Hz AMPS, Single Hot Leg	240/60Hz, AMPS	90-250V 47-63Hz, AMPS	Dimension (inches)			Wt.
	Ambient Air	Dry Air	Oxygen	Ambient Air	Dry Air	Oxygen					H	W	D	lbs
Apex I	1.0 @ 60			0.05			1.60	0.94	0.80		33.0	8.50	3.50	25.0
Apex II		1.3 @ 4			1.00		2.00	1.10	1.00	2.6 - 1.0	19.5	11.5	5.00	14.5
Apex III		2.6 @ 8			1.00		3.20	1.60	1.60	4.2 - 1.6	21.5	11.5	5.00	34.0
Apex IV			4.0 @ 4.0			3.00	6.60	3.80	3.30		19.0	9.00	5.00	9.50
Apex VI			8.0 @ 8.0			3.00	7.50	4.10	4.00		21.5	11.5	5.50	14.5
Apex VII			15 @ 7.5			5.40	7.40	4.00	3.90		21.0	10.25	9.80	32.0
Apex VIII			30 @ 15			5.40	8.60	4.70	4.50		21.0	15.80	9.80	44.0

OZONE

AE SERIES DISCHARGE OZONE SYSTEMS



FEATURED HIGHLIGHTS

- Ozone generator
- Air preparation
- Gauges/meters
- Electrical controls
- Back flow prevention
- Injection manifold

APEX SERIES

We took our most popular ozonators and combined them with all the ancillary components that make up the perfect installation. The Apex series is designed to make ordering the properly sized and designed package as simple as possible.

ORDERING INFORMATION

Unit	Grams Per Hour @ SCFH		Concentration By Weight @ Rated SCFH		120V/60Hz, AMPS	220V/50Hz AMPS, Single Hot Leg	240/60Hz, AMPS	240/60Hz, AMPS	Dimension (inches)			Wt.
	Dry Air	Oxygen	Dry Air	Oxygen					H	W	D	lbs
Apex I	1.0 @ 60		0.10		1.60	0.94	0.80		33.0	8.50	25.0	25.0
Apex II	1.3 @ 4		1.00		1.70	0.90	0.84	2.2-0.8	19.5	11.5	15.0	15.0
Apex III	2.6 @ 7		1.00		2.60	1.52	1.30	2.6-1.0	19.5	15.25	34.0	34.0
Apex IV		4.0 @ 4		3.00	3.90	2.22	2.20		19.0	9.00	9.50	9.50
Apex V	5.6 @ 14		1.00		3.80	2.10	2.00		23.0	20.25	49.0	49.0
Apex VI		8.0 @ 8		3.00	4.10	2.30	2.23		21.5	11.5	15.0	15.0
Apex VII		15 @ 7.5		5.00	5.00	2.75	2.50		21.0	10.2	28.0	28.0
Apex VIII		30 @ 15		5.00	6.60	3.90	3.60		23.0	20.25	39.0	39.0

OZONE

MICROZONE SERIES CORONA DISCHARGE OZONE SYSTEMS



FEATURED HIGHLIGHTS

- Compact
- Main power indicator
- No air preparation required
- Low power consumption
- Optional: on board interlock relay
- Air-cooled
- Serviceable

BENEFITS

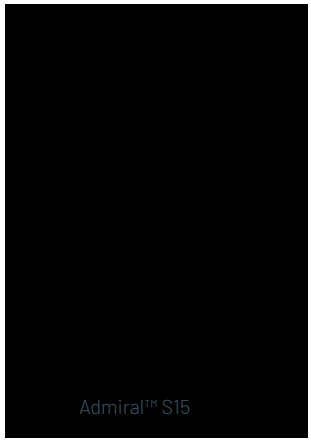
- Eliminates odors
- Powerful, safe oxidation and disinfection
- Reduces or eliminates chemical use
- Produced on-site (no storage, mixing or handling of chemicals)
- Protects the environment - ozone reduces waste water pollutants

ORDERING INFORMATION

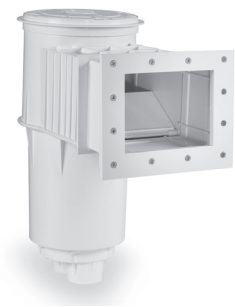
Unit	Grams Per Hour @ SCFH	Concentration By Weight @ Rated SCFH	Vaccum (-5 in. Hg.) Pressure (5 PSI)	120V/60Hz, AMPS	220V/50Hz AMPS, Single Hot Leg	Dimension (inches)			Wt.
	Ambient Air	Ambient Air				H	W	D	lbs
Microzone CD325	0.325 @ 6.0	0.30	V/P	0.25	0.13	7.5	10.0	3.70	3.0
Microzone CD550	0.550 @ 6.0	0.30	V/P	0.30	0.15	7.5	10.0	3.70	4.0

ADMIRAL™ S15 AND S20

SKIMMERS FOR POOLS AND SPAS



Admiral™ S15



Admiral™ S20

FEATURED HIGHLIGHTS

- Admiral 15 Skimmers: High strength ABS body.
- Admiral S20 Skimmers: Reinforced PVC base.
- Slip FIPT, 1½ inch or 2 inch.
- Variety of throat lengths.
- Easy to install.
- Innovative lock down lid.
- 1½ inch and 2 inch ports.
- Lid extension collars.
- Flap weir or the exclusive circular weir.
- Custom logo disk available.

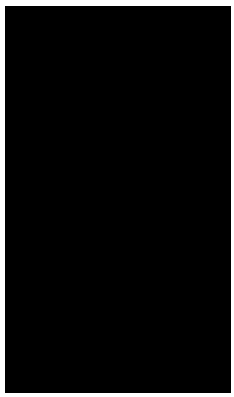
Admiral™ S15 Skimmers offer a variety of bases and throats for a wide variety of plumbing and construction requirements, configurations and materials. These skimmers have an innovative lock-down lid that can be personalized with custom logo disks. S15 Skimmers are injection molded of high strength ABS and are available with a flap weir for superior skimming action.

Admiral™ S20 Skimmers have a PVC reinforced twin port base. S20 may be purchased with equalizer for commercial and NSF applications or for when the second port is connected to the main drain. All models include the innovative lock down lid that can be personalized with custom logo disks and are available with a flap weir or the exclusive circular weir for superior skimming action.

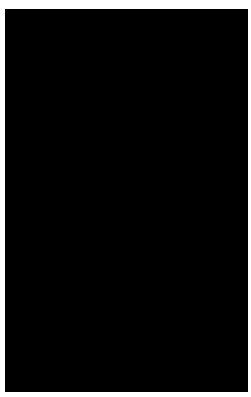
ORDERING INFORMATION

Product	Description	Carton .Qty	Carton (.Wt. (Lbs
SK15 Skimmers For Concrete Construction			
84120100	S15, circ. weir, 1½ in., threaded	1	10
84120200	S15, circ. weir, 2 in., threaded	1	10
84900300	S15, flap weir, 1½ in., threaded	1	10
SK20 Skimmers For Concrete Construction			
84420405	S20, flap weir, no equalizer, 1½ in. slip	1	10
84420505	S20, circ. weir, equalizer, 2 in. slip [1]	1	12

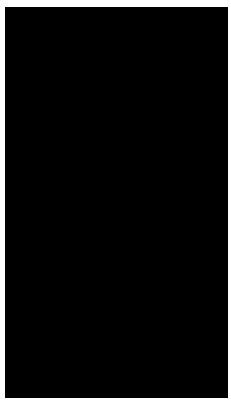
[1] NSF listed for commercial installation



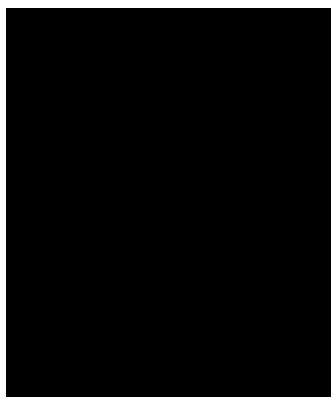
Short Throat Skimmer



Vinyl Throat Skimmer



Long Throat Skimmer



Wide-Mouth Skimmer

DECKBOX

Product	Description
G-DECKBOX-1	Deckbox



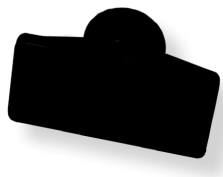
GUTTER DRAINS



540063



542038



542039

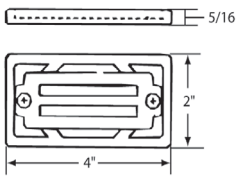
FEATURED HIGHLIGHTS

Pentair gutter drains come with an extra deep socket connection.

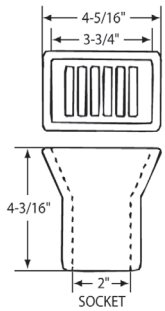
ORDERING INFORMATION

Product	Description	Flow Rate (GPM)	Open Area (Sq. In.)	Carton Qty.
Gutter Drains				
540063	2 in. x 4 in. gutter drain & grate, white	14.5 @ 1½ ft./sec.	3.09	50
540064	2 in. x 4 in. gutter drain & grate, black	14.5 @ 1½ ft./sec.	3.09	50
540065	2 in. x 4 in. gutter drain & grate, dark grey	14.5 @ 1½ ft./sec.	3.09	50
542038	2 in. x 4 in. 3-bar frame & grate, white	8.0 @ 1½ ft./sec.	1.71	500
542039	2-1/2 in. x 6 in. gutter drain & grate, white	22.5 @ 1½ ft./sec.	4.81	24
542146	2 in. x 4 in. grate (hi-style), white	14.5 @ 1½ ft./sec.	3.09	500
552511	2 in. x 4 in. grate (fits 540063, 542037)	14.5 @ 1½ ft./sec.	3.09	500

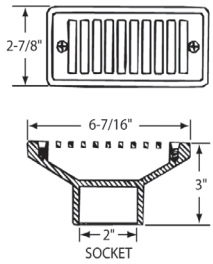
DIMENSIONS AND PERFORMANCE



542038



540064



542039

OVERFLOW GRATING



FEATURED HIGHLIGHTS

- Manufactured in weather proof (UV Protected) Polypropylene for long life.
- Single spine to match the pool shape.
- Heavy duty with Non slip surface for safety.
- Available in white, Blue & black colour to best suit the deck.
- Available in three standard widths 195mm, 245mm and 295mm with 22/23mm height.

Design your pool & deck surroundings with Swimming Pool Overflow Grating

ORDERING INFORMATION

Product	Description	No. of gratings per running meter	Packing
G-295 (White/Black/Blue)	Overflow Grating 295mm (43 PCS/RM)	43	5 meter per box
G-245 (Black/White/Blue)	Overflow Grating 245mm (44 PCS/RM)	44	6 meter per box
G-195 (Blue/Black/White)	Overflow Grating 195mm (44 PCS/RM)	44	7 meter per box



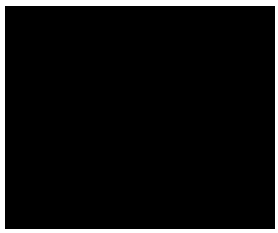
POOL BASIN EQUIPMENT



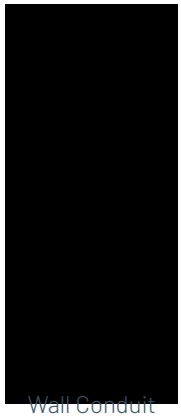
Floor Inlet



Wall Inlet



Suction Fitting



Wall Conduit

FEATURED HIGHLIGHTS

- UV Resistance and better grade of ABS used gives longer life span.
- Different options of fitment (e.g) Press fit in 1.5" PVC pipe, 2" FTR or Pentair standard wall conduit gives freedom of installation to installer.
- Adjustability gives options to vary the flow as required in different sizes of pools.
- New suction fittings holds the hose gives more freedom for the maintenance of pool.



ORDERING INFORMATION

Product	Description
FI-001-ASY-WHT	Floor Inlet - White
WI-001-ASY-WHT	Wall Inlet - White
SF-001-ASY-WHT	Suction Fitting - White
WA-Con-02	Wall Conduit
FI-001-ASY-BLK	Floor Inlet - Black
WI-001-ASY-BLK	Wall Inlet - Black
SF-001-ASY-BLK	Suction Fitting - Black

DIMENSIONS AND PERFORMANCE



Floor Inlet



Wall Inlet



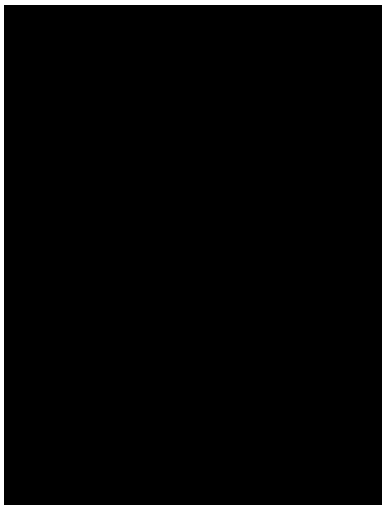
Suction Fitting



Wall Conduit

AUTOMATIC WATER FILLERS

WATER LEVEL CONTROL



FEATURED HIGHLIGHTS

- Available for standard in-ground and vanishing edge pools.
- Prevents equipment damage due to low water levels.
- No electronic controls.
- Prevents water waste and landscape damage due to overfilling pool.
- Available with white, black, grey, and almond colored lids.

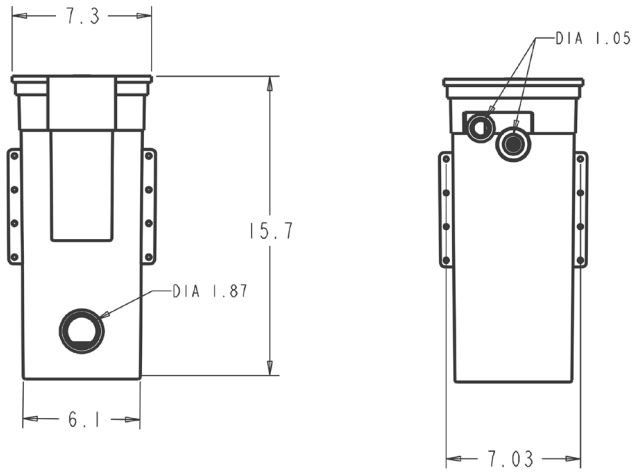
Automatic Water fillers are the latest in automatic pool and spa water level controls and are available for both standard and vanishing edge pools.

ORDERING INFORMATION

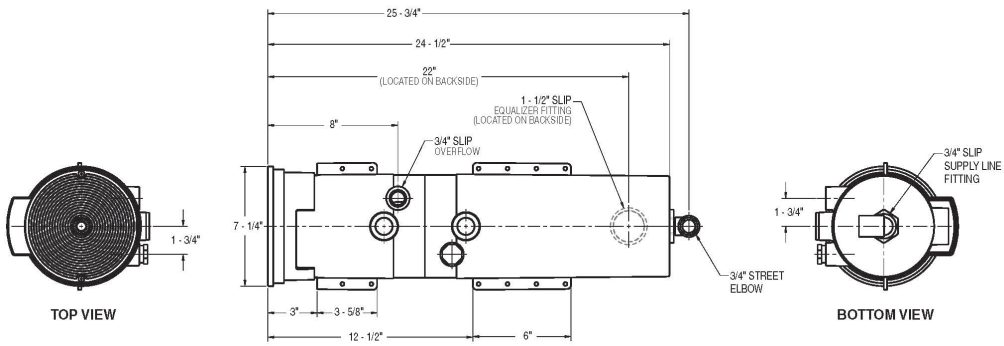
Product	Description	Carton Qty.
Automatic Water Fillers		
T40BW	AutoFill w/ side mounted float valve, white	1

DIMENSIONS AND PERFORMANCE

Small Filler Dimensions



Large Filler Dimensions



STARGUARD® MAIN DRAINS

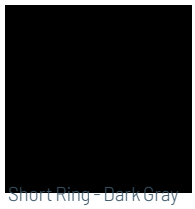
MAIN DRAIN FRAME

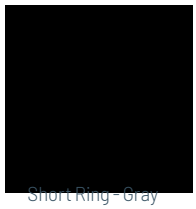
StarGuard Main Drains comply with provisions of the **ANSI/APSP-16 2011 standard and the Virginia Graeme Baker Pool and Spa Safety Act.** High quality StarGuard main drains are available in white, black, gray, and dark gray as well as a variety of configurations to fit most residential inground pool or spa installations. StarGuard main drains have an industry leading 15.35 square inches of open area for water flow and allow flow rates up to 72 GPM at 1-1/2 ft./sec.

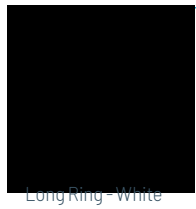
Featured Highlights

- Improved 8 in. Round Main Drain
- Available in Multiple Colors
- Compliant with the Virginia Graeme Baker Act VGBA


Short Ring - Black


Short Ring - Dark Gray


Short Ring - Gray


Long Ring - White

ORDERING INFORMATION

Product	Description	Flow Rate Floor (GPM)	Flow Rate Wall (GPM)	Open Area (Sq. In.)
8 in. Starguard Cover With Long Ring				
500108	8 in. StarGuard cover w/ long ring - (single), white	144	112	15.35
500100	8 in. StarGuard cover w/ long ring -(single), black	144	112	15.35
500101	8 in. StarGuard cover w/ long ring -(single), dark gray	144	112	15.35
500102	8 in. StarGuard cover w/ long ring - (single), gray	144	112	15.35
500140	8 in. StarGuard cover w/ long ring -(2 pack), white	144	112	15.35
500141	8 in. StarGuard cover w/ long ring - (2 pack), black	144	112	15.35
500142	8 in. StarGuard cover w/ long ring - (2 pack), dark gray	144	112	15.35
500143	8 in. StarGuard cover w/ long ring - (2 pack), gray	144	112	15.35
8 in. Starguard Cover With Short Ring And Cover				
500103	8 in. StarGuard cover w/ short ring -(single), white	144	112	15.35
500104	8 in. StarGuard cover w/ short ring -(single), black	144	112	15.35
500105	8 in. StarGuard cover w/ short ring -(single), dark gray	144	112	15.35
500106	8 in. StarGuard cover w/ short ring -(single), gray	144	112	15.35
500144	8 in. StarGuard cover w/ short ring - (2 pack), white	144	112	15.35
500145	8 in. StarGuard cover w/ short ring - (2 pack), black	144	112	15.35
500146	8 in. StarGuard cover w/ short ring - (2 pack), dark gray	144	112	15.35
500147	8 in. StarGuard cover w/ short ring -(2 pack), gray	144	112	15.35
8 in. Starguard Drain With 2 In. Side And 1½ In. Bottom Ports Abs Sump With Ring And Cover				
500110	8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom ports ABS sump w/ ring & cover -(2 pack), white	144	112	15.35
500111	8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom ports ABS sump w/ ring & cover - (2 pack), black	144	112	15.35
500113	8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom ports ABS sump w/ ring & cover -(2 pack), dark gray	144	112	15.35
500114	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom ports ABS sump w/ ring & cover - (2 pack), gray	144	112	15.35

STARGUARD® MAIN DRAINS

MAIN DRAIN FRAME

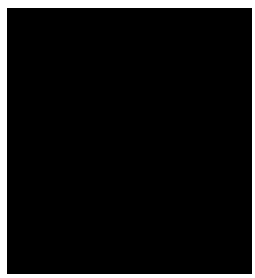
Product	Description	Flow Rate Floor (GPM)	Flow Rate Wall (GPM)	Open Area (Sq. In.)
8 in. Starguard Drain With 2 in. Side Port Abs Sump With Ring And Cover				
500115	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), white	144	112	15.35
500116	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), black	144	112	15.35
500117	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), dark gray	144	112	15.35
500118	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), gray	144	112	15.35
8 in. Starguard Drain With Dual 2 in. Bottom Ports Abs Sump And Cover				
500120	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), white	144	112	15.35
500121	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), black	144	112	15.35
500122	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), dark gray	144	112	15.35
500123	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), gray	144	112	15.35
8 in. Starguard Drain With 2 In. Side And 1½ In. Bottom Vinyl Liner Abs Sump				
500130	8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom vinyl liner ABS sump (2 pack), white	144	112	15.35



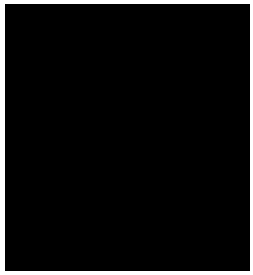
500108
8 in. StarGuard cover w/ long ring



500103
8 in. StarGuard cover w/ short ring



500110
8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom ports ABS sump w/ ring & cover



500115
8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover



500120
8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover

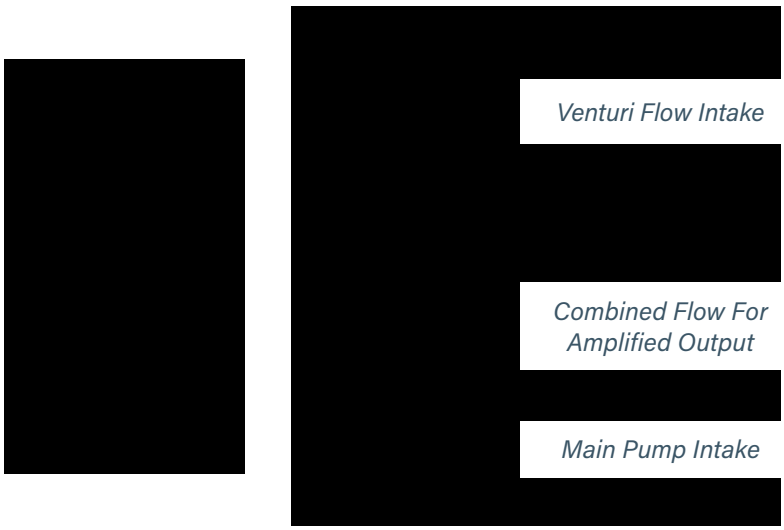


500130
8 in. StarGuard drain w/ 2 in. side & 1½ in. bottom vinyl liner ABS sump

INFLOOR CLEANING SYSTEM

G4V - VENTURI POWER CLEANING HEADS

Pentair G4V is a revolutionary new cleaning head technology that incorporates the power of venturi with a proprietary flow path design that will change the way you circulate and clean your pool. Available on new pools, this technology can also be used to update existing systems.



Featured Highlights

- Can lower energy costs
- Allows pool to circulate water and properly clean, even at reduced pump speeds
- Helps ensure a more even dispersement of chemicals
- Directs water to the pool floor for a more even temperature
- Reduced maintenance needs
- Wider coverage than standard cleaning heads

Enjoy more time in the pool and less time cleaning with an intelligent in-floor system that scrubs surfaces and sweeps debris on its own.

Pentair G4V cleaning head harnesses the power of venturi technology to help improve your system's cleaning capability. As your pump drives water through the nozzle, our proprietary venturi head design creates a vacuum which generates additional flow strength, augmenting your cleaning power at no extra cost.

ORDERING INFORMATION

Product	Product Name and Description
G4V COMPLETE HEADS W/ PROTECTA FOAM W/ RISER (Internal, Floor Fitting, Color Ring, Slurry Cap, Riser, & Protecta)	
221004	G4V Complete with Riser Black
221003	G4V Complete with Riser Dark Gray
221007	G4V Complete with Riser Tan
221001	G4V Complete with Riser White
221008	G4V Complete with Riser Gold
221006	G4V Complete with Riser Dark Blue
221005	G4V Complete with Riser Euro Blue
221002	G4V Complete with Riser Light Gray
G4V COMPLETE HEADS W/ PROTECTA FOAM (Internal, Floor Fitting, Color Ring, Slurry Cap, & Protecta)	
230122	G4V Complete Black
230123	G4V Complete Dark Gray
230124	G4V Complete Tan
230125	G4V Complete White
230126	G4V Complete Gold
230127	G4V Complete Dark Blue
230128	G4V Complete Euro Blue
230129	G4V Complete Light Gray

INFLOOR CLEANING SYSTEM

G4V - VENTURI POWER CLEANING HEADS

ORDERING INFORMATION

Product	Product Name and Description
G4VHP COMPLETE HEADS W/ PROTECTA FOAM W/ RISER (Internal, Floor Fitting, Color Ring, Slurry Cap, Riser, & Protecta)	
230160	G4VHP Complete with Riser Black
230161	G4VHP Complete with Riser Dark Gray
230162	G4VHP Complete with Riser Tan
230163	G4VHP Complete with Riser White
230164	G4VHP Complete with Riser Gold
230165	G4VHP Complete with Riser Dark Blue
230166	GV4HP Complete with Riser Euro Blue
230167	G4VHP Complete with Riser Light Gray
G4VHP COMPLETE HEADS W/ PROTECTA FOAM (Internal, Floor Fitting, Color Ring, Slurry Cap, & Protecta)	
230130	G4VHP Complete Black
230131	G4VHP Complete Dark Gray
230132	G4VHP Complete Tan
230133	G4VHP Complete White
230134	G4VHP Complete Gold
230135	G4VHP Complete Dark Blue
230136	GV4HP Complete Euro Blue
230137	G4VHP Complete Light Gray
G4 HEADS COMPLETE ADJUSTIBLE ORIFICE W/ RISER (Internal, Floor Fitting, Color Ring, Slurry Cap, Riser, & Protecta)	
222004	G4 Adjust Orifice Comp with Riser Black
222003	G4 Adjust Orifice Comp with Riser Dark Gray
222007	G4 Adjust Orifice Comp with Riser Tan
222001	G4 Adjust Orifice Comp with Riser White
222008	G4 Adjust Orifice Comp with Riser Gold
222006	G4 Adjust Orifice Comp with Riser Dark Blue
222005	G4 Adjust Orifice Comp with Riser Euro Blue
222002	G4 Adjust Orifice Comp with Riser Light Gray
G4 HEADS COMPLETE ADJUSTIBLE ORIFICE W/ RISER (Internal, Floor Fitting, Color Ring, Slurry Cap, Riser, & Protecta)	
230138	G4 Adjust Orifice Comp Black
230139	G4 Adjust Orifice Comp Dark Gray
230140	G4 Adjust Orifice Comp Tan
230141	G4 Adjust Orifice Comp White
230142	G4 Adjust Orifice Comp Gold
230144	G4 Adjust Orifice Comp Dark Blue
230145	G4 Adjust Orifice Comp Euro Blue
230143	G4 Adjust Orifice Comp Light Gray

INFLOOR CLEANING SYSTEM

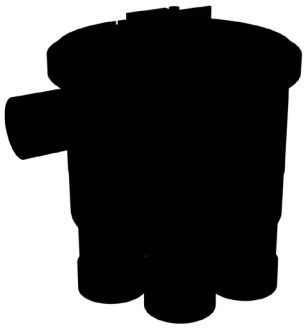
WAVE - WATER ACTUATED VALVE

The WAVE Water Actuator Valve is the control center of your pool cleaning and circulation system, directing the water to specific zones in your pool. Standard features such as built-in speed control and QuikStop ensure optimum cleaning and circulation, as well as functional flexibility.

Each new Wave valve cam has been redesigned to provide better recognition, optimized cleaning and longer life than the previous design. The new design minimizes the time needed to transition between zones, simultaneously reducing the pressure swing to as low as 0.5 psi. Additionally, the cams have been labeled and color-coded for easy product recognition, as well as utilizing a high quality plastic, engineered for improved performance in chlorinated environments.

Featured Highlights

- High water flow for improved cleaning
- Improved efficiency saves on cleaning time, which equates to reduced energy costs
- Self-cleaning system is easy to maintain



6 Port Low Profile 2" T-Valve



6 Port Low Profile 1½" T-Valve

ORDERING INFORMATION

Product	Product Name and Description
	LOW PROFILE 2" ACTUATOR VALVE COMPLETES
224420	6 Port Low Profile 2" T-Valve
224700	3 Port Low Profile 2" T-Valve
224800	2 Port Low Profile 2" T-Valve
224000	Duo Valve System Low Profile 2" (1 (one) 2 Port & 2 (two) 6 Port Low Profile Valves)
	LOW PROFILE 1½" ACTUATOR VALVE COMPLETES
224470	6 Port Low Profile 1½" T-Valve
224770	3 Port Low Profile 1½" T-Valve
224870	2 Port Low Profile 1½" T-Valve

INFLOOR CLEANING SYSTEM

AVSC SINGLE SUCTION STANDARD TOP DRAIN

The AVSC drain is a heavy debris removal drain in an unblockable package. The AVSC drain conforms to all current ANSI,

NSF and VGB anti-entrapment standards, and boasts one of the highest flow rates of debris removal drains in the U.S. to date.

Available in a both dual or single port models (accepting both 2.5» and 3» pipe) the AVSC comes in a wide variety of colors. In addition, an optional fillable lid is available to allow the drain to seamlessly blend into the surrounding finish of the pool.

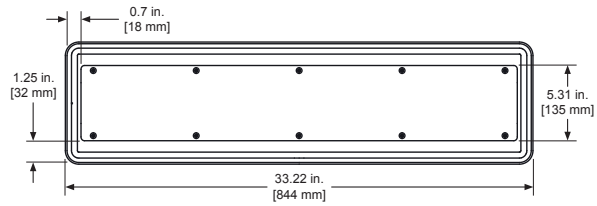
Featured Highlights

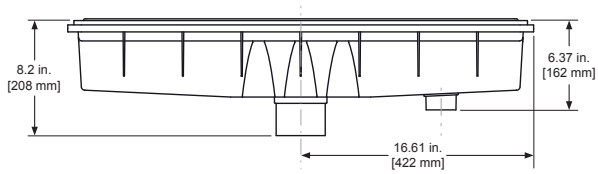
- Available in single and dual-inlet models
- Easy installation, including construction cover
- For pools, spas, and water features
- Available with a Pebble Top Lid

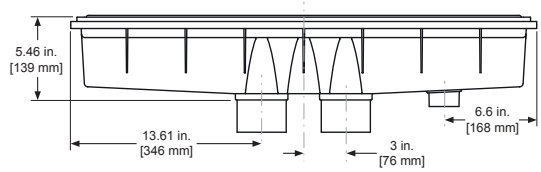


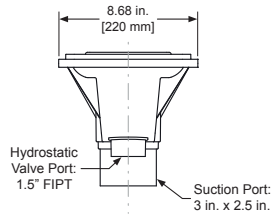












ORDERING INFORMATION

Product	Product Name and Description
285001	AVSC Single Standard Top Channel Drain White
285003	AVSC Single Standard Top Channel Drain Dark Gray
285004	AVSC Single Standard Top Channel Drain Black
285002	AVSC Single Standard Top Channel Drain Light Gray
285006	AVSC Single Standard Top Channel Drain Dark Blue
285005	AVSC Single Standard Top Channel Drain Euro Blue
285008	AVSC Single Standard Top Channel Drain Gold
224870	2 Port Low Profile 1½" T-Valve

INFLOOR CLEANING SYSTEM

AVSC SINGLE SUCTION STANDARD TOP DRAIN



AVSC is available in a wide variety of colors and finishes. Shown here in standard white, PebbleTec white finish, and Lunada Bay glass tile finishes.



ORDERING INFORMATION

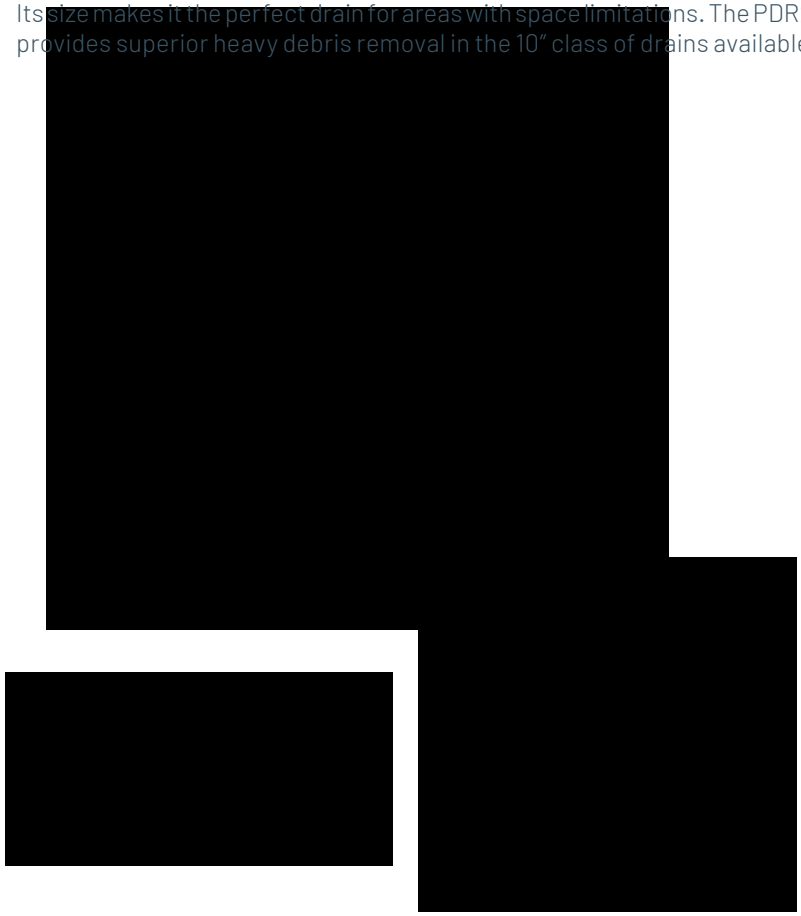
Product	Product Name and Description
	AVSC DUAL SUCTION STANDARD TOP DRAIN
286101	AVSC Dual Standard Top Channel Drain White
286123	AVSC Dual Standard Top Channel Drain Dark Gray
286114	AVSC Dual Standard Top Channel Drain Black
286102	AVSC Dual Standard Top Channel Drain Light Gray
	AVSC SINGLE SUCTION PEBBLE TOP DRAIN
288101	AVSC Single Pebble Top Channel Drain White
288103	AVSC Single Pebble Top Channel Drain Dark Gray
288104	AVSC Single Pebble Top Channel Drain Black
288102	AVSC Single Pebble Top Channel Drain Light Gray
	AVSC DUAL SUCTION PEBBLE TOP DRAIN
289101	AVSC Dual Pebble Top Channel Drain White
289103	AVSC Dual Pebble Top Channel Drain Dark Gray
289104	AVSC Dual Pebble Top Channel Drain Black
289102	AVSC Dual Pebble Top Channel Drain Light Gray

INFLOOR CLEANING SYSTEM

PDR2 DRAIN

Pentair PDR2 Drain provides superior heavy debris removal and aids water circulation. The PDR2 is compliant with the Virginia Graeme Baker Pool & Spa Safety Act, and is specifically engineered for debris removal.

Its size makes it the perfect drain for areas with space limitations. The PDR2 provides superior heavy debris removal in the 10" class of drains available.



Featured Highlights

- Manufactured from UV resistant engineered polymers
- Dual levels of protection provide the highest standards on the market
- 10" drain size makes it ideal for areas with limited space
- Available in multiple colors, with or without sump
- Certified to APSP-16
- Hydrostatic Connection Designed into the Sump
- Capable of handling large debris

ORDERING INFORMATION

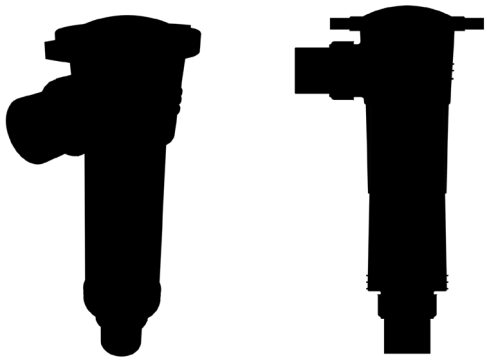
Product	Product Name and Description
	PDR2 10" DRAINS NO SUMP (SET OF 2)
287174	PDR2 10" Drains No Sump (Set of 2) Black
287103	PDR2 10" Drains No Sump (Set of 2) Dark Gray
287121	PDR2 10" Drains No Sump (Set of 2) White
280024	PDR2 10" Drains No Sump (Set of 2) Light Gray
	PDR2 10" DRAINS WITH SUMP (SET OF 2)
287104	PDR2 10" Drains with Sump (Set of 2) Black
287153	PDR2 10" Drains with Sump (Set of 2) Dark Gray
287111	PDR2 10" Drains with Sump (Set of 2) White
280402	PDR2 10" Drains with Sump (Set of 2) Light Gray

INFLOOR CLEANING SYSTEM

LEAFVAC - HIGH CAPACITY HEAVY DEBRIS REMOVAL

The Pentair LeafVac system is an industry-leading heavy debris removal system. Its extra-large canister holds more debris, ensuring more time between cleanings.

The extra capacity also allows for unimpeded flow of water, saving the pool's pump from potential damage. The pump, in turn, uses less power, thus saving energy.



Featured Highlights

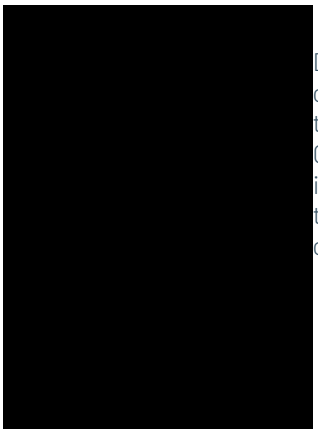
- Extra-large canister offers more capacity than regular pool debris containers
- Increased capacity extends the time between cleanings and maintenance
- Easy to remove filter makes cleaning a breeze
- Reduces strain on your pump, in turn increasing its lifespan and efficiency
- Energy efficient design
- Extra-large capacity
- Helps protect the pool pump
- Easy, minimal maintenance

ORDERING INFORMATION

Product	Product Name and Description
	LEAFVAC DEBRIS CANISTER COMPLETE
200210	LeafVac Complete (Length 26 1/2" / Width 14 1/4")

INFLOOR CLEANING SYSTEM

QUIKDEKCLOR POOLSIDE CHLORINE FEEDER



Delivering chlorine directly into your pool, Quik DekClor chlorine feeder helps to prevent chemical wear and tear on your pump motor and filtering systems. The Quik DekClor chlorine feeder has specially engineered inlets that create an even water flow around chlorine tabs, which aids in the consistent disbursement of chemicals into the pool.

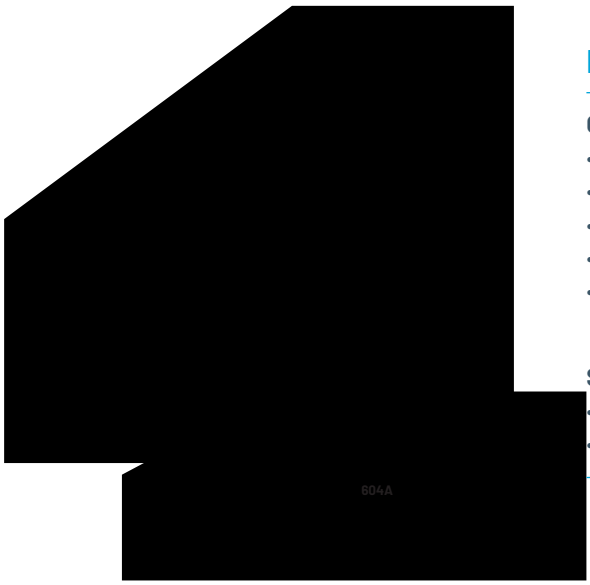
Featured Highlights

- Innovative design allows for easy adjustment to compensate for swimmer load and pool conditions
- Compatible with multiple chlorine tab sizes
- Includes internal locking safety lid
- Available in multiple lid colors

ORDERING INFORMATION

Product	Product Name and Description
385007	DekClor Tan
385001	DekClor White
385003	DekClor Dark Gray
385002	DekClor Light Gray

BRUSHES AND SCRUBBERS



FEATURED HIGHLIGHTS

Curved Brushes

- UV stabilized polypropylene or nylon bristles.
- Snap-adapt handle fits most poles.
- Aluminum Back Brushes with strong die cast aluminum back.
- Molded Brushes with heavy-duty one piece molded construction.
- Model 907 has a 50/50 blend of stainless and nylon bristles. Recommended for new pool start-up brushing or mild algae cleaning.

Stainless Steel Algae Brushes

- All algae brushes feature quality stainless steel bristles.
- Perfect for removing tough algae on plaster surfaces.

ORDERING INFORMATION

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
Curved Brushes				
R111046	92	18 in. Aluminum Back White nylon	12	13
R111316	902	18 in. Aluminum Back White polypropylene	12	12
R111358	907 [1]	18 in. Aluminum Back Blended, stainless & nylon	12	13
Algae Brush – (not for Vinyl Liner Pools)				
R111616	604A	6 in. Aluminum Back, Stainless Steel for plaster, Concrete, Gunite	12	6
R111626	709	9 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	9
R111646	718	18 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	15

[1] Not for use on vinyl liner pools.
Note : All items with snap-adapt handle include Delrin® resin Spring and will snap into all standard poles or can be bolted on, if preferred, simply by removing Delrin Spring.
Derlin® is a registered trademark of E.I. DuPont De Numours and Co.



H-RA-P123CB



H-RA-P036

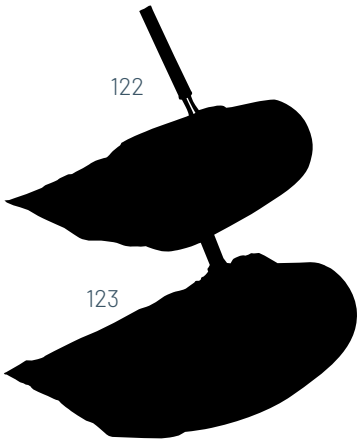


H-RA-P025CB

Model	Description	Min Qty.
H-RA-P036	Standard wall brush 457mm (18") with curved ABS molded back	12 pcs[1]
H-RA-P025CB	457mm (18") wall brush Deluxe with aluminum back (curved)	12 pcs[1]
H-RA-P123CB	Small aluminum back algea brush and stainless bristles	12 pcs[1]

[1] Minimum quantity = box quantity

HAND SKIMMERS AND LEAF RAKES



Leaf Rakes



H-RA-P030



H-RA-P031

FEATURED HIGHLIGHTS

Snap-adapt handles allow for use with most poles

Hand Skimmers

- Heavy-duty reversible nets stand up to tough wear.

122 Leaf Rake

- Designed to easily remove leaves and debris. Screen and frame completely covered with squeegee for scraping fine, loose debris on pool bottom.

123 Econo Leaf Rake

- ABS molded frame with aluminum reinforcement.

117 Pro Leaf Rake

- Replaceable snap-on frame and net fits on 3/8 in. solid anodized aluminum rod.

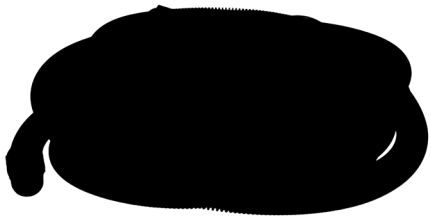
ORDERING INFORMATION

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
Hand Skimmers				
R121166	124S	Spa/Aboveground Skimmer, screen molded into frame, with magnet	12	7
Leaf Rakes				
R121106	122	Leaf rake, 3/8 in. aluminum rod with attached handle and heavy-duty fiberglass screen	12	18
R121126	123	Econo leaf rake, ABS molded frame reinforced with aluminum, frame has raised lip for scraping bottom	12	

Model	Description	Min Qty.
H-RA-P031	Deluxe Pro leaf skimmer	12 pcs[1]
H-RA-P030	Deluxe Pro deep leaf rake	12 pcs[1]

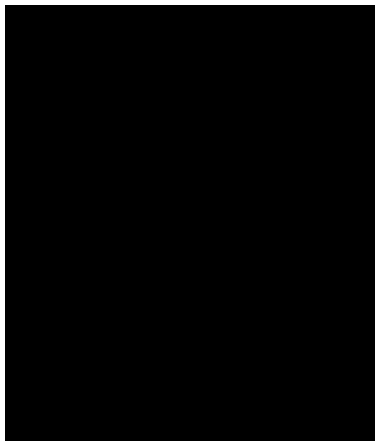
[1] Minimum quantity = box quantity

FLEXIBLE HOSEPIPE



Model	Description
PWG8578BU	Extruded PE Ø1½" - Length 15 Meters
PWG8579BU	Extruded PE Ø1½" - Length 30 Meters

TELESCOPIC POLES



FEATURED HIGHLIGHTS

- Rainbow Lifegard Telescopic Poles are constructed of high quality drawn aluminum tubing. The 1-1/8 in. OD inside tube is clear anodized and the 1-1/4 in. OD outer tube is bright blue anodized. Each has a bicycle type vinyl hand grip and packed in a protective poly sleeve.
- Rainbow Lifegard Fiberglass Poles with E-Z Lock compression lock are manufactured to withstand abuse. Required for service pros in areas where protection from electrical shock is mandatory. UV protective coating helps prevent splintering with age.

ORDERING INFORMATION

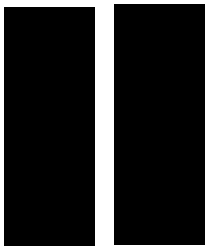
Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
Poles				
R500070	406-16	2 piece telescopic "ribbed" pole - E-Z lock Cam - 8 ft.-16 ft.	12	28
R500072	406-12	2 piece telescopic "ribbed" pole - E-Z lock Cam - 6 ft.-12 ft.	12	22
R191046	812-16	2 piece telescopic pole - Metal Cam - 8 ft. to 15½ ft.	12	36
R191101	808-22	Commercial Fiberglass Pole - 11-1/2 ft. to 22 ft.	6	32
R191088	806-24	Commercial Aluminum Pole - 12 ft. to 23½ ft. E-Z Lock	12	52
R191090	812-24	Commercial Aluminum Pole - 12 ft. to 23½ ft. Metal cam	12	52



H-RA-P095 / -P096 / -P097

Product	Description	Min Qty.
H-RA-P097	Telescopic pole 1,20m » 2,40m – Teleskopstange 1,20m » 2,40m	12[1]
H-RA-P096	Telescopic pole 1,86m » 3,66m – Teleskopstange 1,86m » 3,66m	12[1]
H-RA-P095	Telescopic pole 2,44m » 4,88m	12[1]

TEST REAGENTS



ORDERING INFORMATION

Product	Description		Min Qty
Solutions			
R161025	OTO Solution No. 2, 1 ounce [1]	48	6
R161094	pH Solution Phenol Red with Chlorine Neutralizer, 1 ounce	48	6

[1] Replaces Solution "A"0

Note : Products containing OTO not available in the State of California.

TEST KITS

DPD, BROMINE, PH & CHLORINE TEST KITS



FEATURED HIGHLIGHTS

Rainbow Lifegard testing kits and chemicals are manufactured under the strictest quality control standards in a laboratory staffed by certified chemists where all Rainbow Test Solutions are formulated and packaged.

To guarantee reliability, test reagents should be replaced annually. Replacement and bulk reagents are available in a variety of sizes and packaging.

ORDERING INFORMATION

Product	Model	Description		Min Qty
DPD Test Kits				
R151190	77DPD	4 in 1 Chlorine/Bromine test kit. DPD No. 1 and No. 3 tablets, solutions No. 2, No. 3, No. 4, No. 5, wide Lucite test cell	12	16
pH & Chlorine Test Kits				
R151076	752	"2 n 1" Test Kit 1/2 oz. OTO and Pre-Blended pH, Cl range 0.3–3.0, blue hinged case, packed 12 Kits per counter dispenser	24	10
R151186	78HR	"All-in-One" 4 Way Test Kit, Cl, pH, Acid Demand, Total Alkalinity, Lucite test cell with wide standards, 1 oz. No. 1, No. 2, No. 3, 1/2 oz. No. 4, No. 5, water test booklet, blue display box	12	16
H-RA-P102		TRefill package		12[1]
H-RA-P029		Test kit Cl + pH		12[1]

[1] Minimum quantity = box quantity

FLEXIBLE POOL VACUUMS

CONCRETE POOLS



FEATURED HIGHLIGHTS

188 Lifegard®

- Rugged polyethylene housing with enclosed weights. Adjustable solid molded wheels with stainless steel fasteners. Snap-adapt handle.

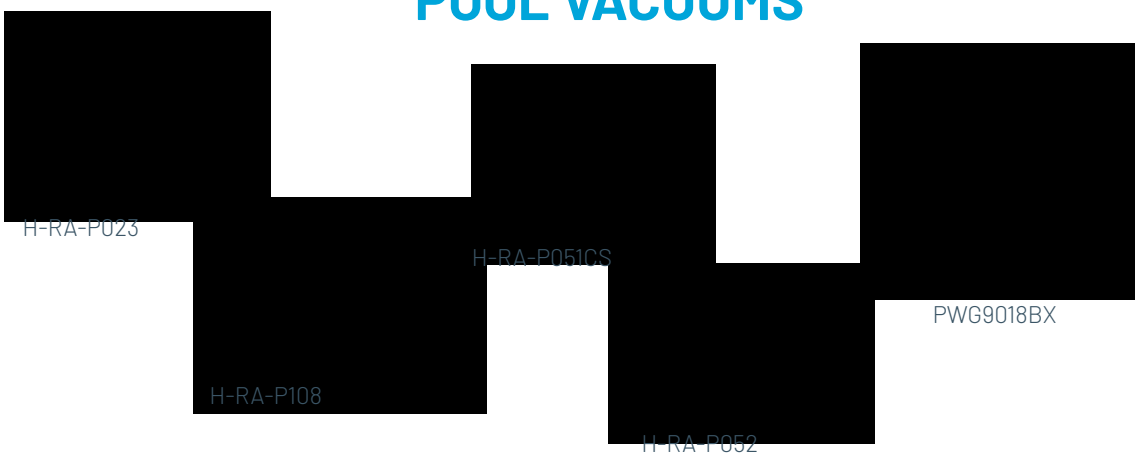
203 Superfl ex 14 in. Flexible Vacuum

- Has factory set replaceable molded wheels and fasteners. Includes covered weights and snap-adapt handle with stainless steel wallhugging spring device.

ORDERING INFORMATION

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
Flexible Pool Vacuums				
R201112	188	Lifegard 12 in. flexible vacuum, clamp shell display pack	6	35
R201388	203	Superfl ex 14 in. flexible vacuum, clamp shell display pack	6	25

POOL VACUUMS



ORDERING INFORMATION

Product	Description	Min Qty
Pool Vaccums		
H-RA-P023	Special contour shape Deluxe vacuum with protective vinyl bumper and weights	12 pcs[1]
H-RA-P108	Large shaped white ABS vacuum w/ bumper, weights and side brushes	12 pcs[1]
H-RA-P051CS	356mm (14") fl exible vacuum – Flexibler Sauger 356mm (14")	12 pcs[1]
H-RA-P052	Triangular shaped, weight, see-through design with protective vinyl bumper	12[1]
PWG9018BX	14" (34.5cm) Heavy Aluminium 1.5" Conn	-
PWG9028BX	18" (44.5cm) Heavy Aluminium 1.5" Conn	-

[1] Minimum quantity = box quantity

PROVAC®

FLEXIBLE COMMERCIAL VACUUMS



FEATURED HIGHLIGHTS

ProVac® Residential & Commercial Vacuums

- The ProVac cleans a pool bottom in half the time.
- Suction chamber concentrates vacuum velocity equally.
- Full width fl ex strips guide debris into the suction chamber.
- All wheels are adjustable to increase or decrease the vacuum velocity.
- Includes 1-1/2 in. vac hose swivel connection.

250 Swivel Wheel 19 in. Commercial Flexible Vacuum

- ABS and polyethylene wheels with 6 lead weights swivel in any direction.
- 19 in. body has 1-1/2 in. vacuum swivel adapter which allows hose to move freely without twisting. 2 in. hose fi ts directly on vacuum.
- Has snap-adapt handle and all component parts are replaceablesteel wallhugging spring device.

ORDERING INFORMATION

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
250 Commercial Flexible Vacuum				
R201126	250	Swivel wheel 19 in., boxed	4	37
Provac Series Residential & Commercial Vacuums				
R201276	214	14 in. Commercial model, metal swivel handle, ball bearing wheels, SS nut and bolt, boxed	6	46
R201286	222	22 in. Commercial model, metal swivel handle, ball bearing wheels, stainless steel shaft, boxed	1	9

PROVAC® II

FLEXIBLE COMMERCIAL VACUUMS



FEATURED HIGHLIGHTS

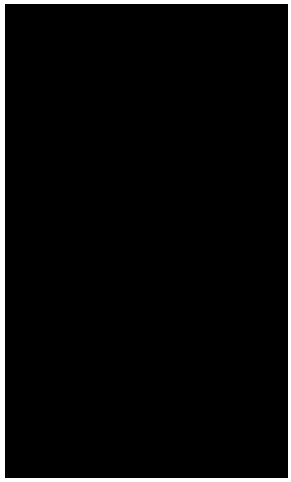
- Eco Select™ brand environmentally friendly composite weight system.
- Suction chamber concentrates vacuum velocity for fast thorough cleaning.
- Convertible wheel system – locks for straight cleaning pattern or pivots 360° for additional coverage.
- Ultra smooth ball bearing wheels for effortless movement.
- Flexible body hugs pool contours connection.

ORDERING INFORMATION

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
Provac II				
200084	216	16 in. environmentally friendly, high performance vacuum with convertible wheel system	6	48

OVERFLOW LADDERS

STAINLESS STEEL



TECHNICAL FEATURES

Available Corrosion Resistance AISI 304 and AISI 316. Bright polished and top quality stainless steel tubes. Supplied with accessories rubber bumpers, fixing anchors, escutcheon plates and stainless steel fasteners for simple trouble free installation.

Bright polished and top quality stainless steel tubes 43mm dia. (1.69 inches)

PRODUCT SPECIFICATIONS

Part Number	Description
	Stainless Steel Overflow Ladders - SS304
11001150001	Overflow Ladder 2 Steps
11001150002	Overflow Ladder 3 Steps
11001150003	Overflow Ladder 4 Steps
11001150004	Overflow Ladder 5 Steps
	Stainless Steel Overflow Ladders - SS316
11001160001	Overflow Ladder 2 Steps
11001160002	Overflow Ladder 3 Steps
11001160003	Overflow Ladder 4 Steps
11001160004	Overflow Ladder 5 Steps



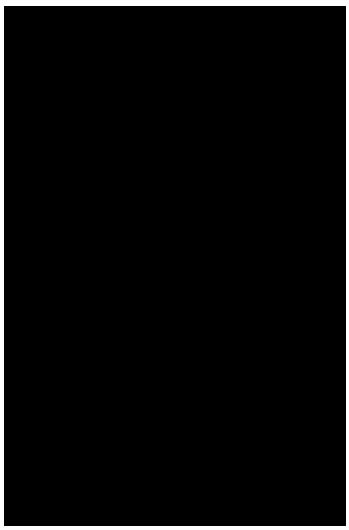
DIMENSIONS

Steps	A	B	C	D	E	F	G
2	1460	750	250	710	842	180	500
3	1710	750	250	960	842	180	500
4	1960	750	250	1210	842	180	500
5	2210	750	250	1460	842	180	500

All dimensions are in mm

STANDARD LADDERS

STAINLESS STEEL



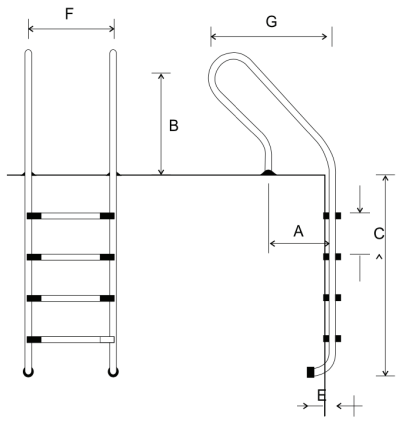
TECHNICAL FEATURES

Available Corrosion Resistance AISI 304 and AISI 316. Bright polished and top quality stainless steel tubes. Supplied with accessories rubber bumpers, fixing anchors, escutcheon plates and stainless steel fasteners for simple trouble free installation.

Bright polished and top quality stainless steel tubes 43mm dia. (1.69 inches)

PRODUCT SPECIFICATIONS

Part Number	Description
	Stainless Steel Ladders - SS304
PWG991814109	Mixed Ladder 2 Steps (Aslip) AISI 304
PWG991814110	Mixed Ladder 3 Steps (Aslip) AISI 304
PWG991814111	Mixed Ladder 4 Steps (Aslip) AISI 304
PWG991814112	Mixed Ladder 5 Steps (Aslip) AISI 304
	Stainless Steel Ladders - SS316
991826109	Mixed Ladder 2 Steps (Aslip) AISI 316
991826110	Mixed Ladder 3 Steps (Aslip) AISI 316
991826111	Mixed Ladder 4 Steps (Aslip) AISI 316
991826112	Mixed Ladder 5 Steps (Aslip) AISI 316



DIMENSIONS

Steps	A	B	C	D	E	F	G
2	350	620	250	710	180	500	522
3	350	620	250	960	180	500	522
4	350	620	250	1210	180	500	522
5	350	620	250	1460	180	500	522

All dimensions are in mm

AIR CONTROLS

32MM AIR CONTROLS



67 mm Top Draw with Handle Cap.

Part Number	Description
10-2100ME WHT	White handle. 32 mm ID x 5/4" OD.
10-2100ME GRY	Grey handle. 32 mm ID x 5/4" OD.
10-2100WHT	White handle. 1" ID x 5/4" OD.



63 mm Under Skirt with Scalloped Cap and Window. Incl. check valve ball.

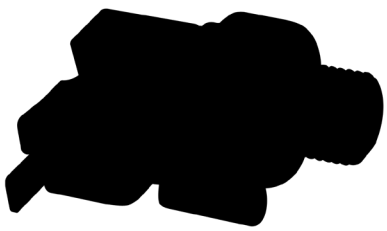
Part Number	Description
10-2310 ME WHT	White cap. 32 mm ID x 5/4" OD.
10-2310ME GRY	Grey cap. 32 mm ID x 5/4" OD.



63 mm Under Skirt with Teardrop Cap. Incl. check valve ball.

Part Number	Description
10-2330ME WHT	White cap. 32 mm ID x 5/4" OD.
10-2330ME GRY	Grey cap. 32 mm ID x 5/4" OD.
10-2310MEF P GRY	Grey 5-scalloped cap. 1" ID x 5/4" OD.

PNEUMATIC CONTROL



Replacement Air Switch

For pneumatic pumps, blowers, etc.

Part Number	Description
41-0255	Switch

WATER JETS MEDIUM

ORIGINAL FREEDOM JET

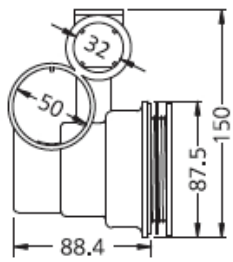


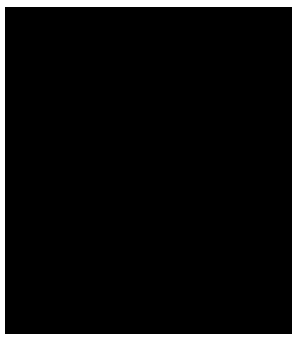
FEATURED HIGHLIGHTS

- Different colours available
- Directional and rotating options
- Easy installation
- Elegant design
- Exclusive chrome finish
- Flow adjustable
- Front diameter Ø90 mm
- Stainless steel

Recommended for use in whirlpools and spas

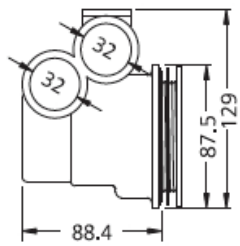
The Original Freedom jet is popular for the unique look and high flow. A specific whirlpool jet which provide good drainability through the fronts.

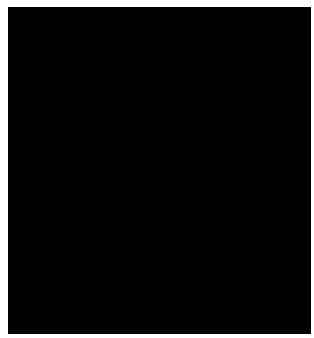




FREEDOM JET BODY FOR SPA

10-FS715T





FREEDOM JET BODY FOR SPA

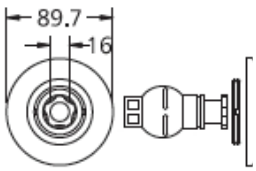
10-FSB11T

SPECIFICATIONS

Part Number	Measurements	Material	Hole size	Recommended flow rate
10-FS715T	50 mm ID water x 32 mm ID air	White PVC/ABS	2 5/8" app. 67 mm	2.7 m3/h@ 7m H_2O
10-FSB11T	32 mm ID water x 32 mm ID air	White PVC/ABS	2 5/8" app. 67 mm	2.7 m3/h@ 7m H_2O

WATER JETS MEDIUM

ORIGINAL FREEDOM JET (CONT.)

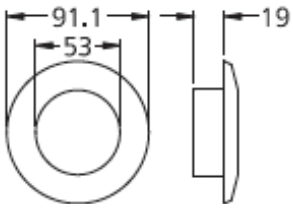






FREEDOM ADJUSTABLE KIT

10-FS00TA / 20-FS00TA-11



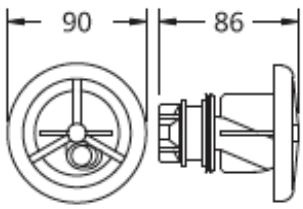


FREEDOM METAL ESCUTCHEON

16-FS00TM







FREEDOM MICRO'SSAGE KIT

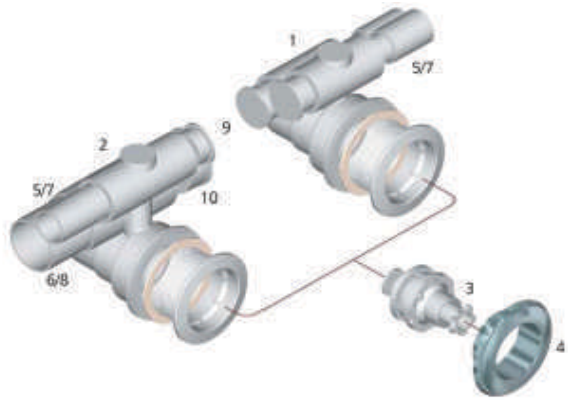
16-FS00TM / 26-FS00TM-11

SPECIFICATIONS

Part Number	Measurements	Material	Note
10-FS00TA	Ø89.7 mm	White ABS	To be used with jet 10-FSB11T or 10-FS715T
20-FS00TA-11	Ø89.7 mm	Chrome-plated ABS	To be used with jet 10-FSB11T or 10-FS715T
10-5845-5	Ø91.1 mm	Stainless steel	To be used with trim kit 10-FS00TA-x and 10-FS35A
16-FS00TM	Ø90 mm	White ABS	To be used with jet 10-FSB11T or 10-FS715T
26-FS00TM-11	Ø90 mm	Chrome-plated ABS	To be used with jet 10-FSB11T or 10-FS715T

WATER JETS MEDIUM

CAGED FREEDOM JET

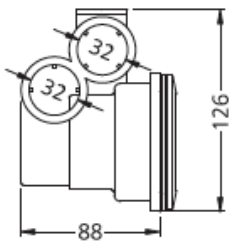


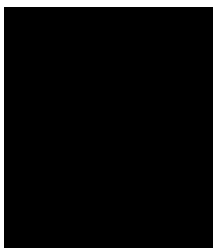
FEATURED HIGHLIGHTS

- Different colours available
- Easy installation
- Elegant design
- Flow adjustable
- Front diameter Ø85 or Ø90 mm
- Stainless steel

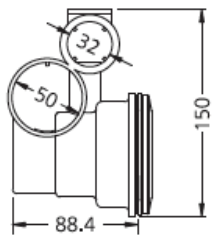
Recommended for use in whirlpools and spas

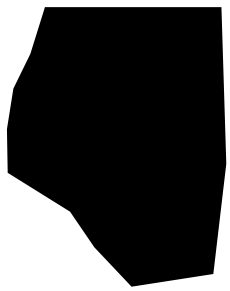
The Freedom jet is popular for the unique look and high flow. The Caged Freedom jet is just like the Original Freedom .jet a specific whirlpool jet which provide good drainability through the fronts. The difference is the caged front design





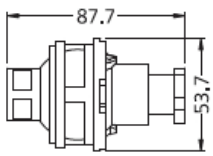
FREEDOM JET BODY FOR WHIRLPOOL
10-FS711





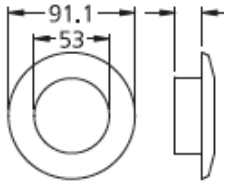
FREEDOM JET BODY FOR SPA
10-FS715

Part Number	Measurements	Material	Hole size	Recommended flow rate
10-FS711	Ø85 mm front. 32 mm ID water x 32 mm ID air	White PVC/ABS	2 5/8" app. 67mm	2.7 m3/h@ 7m H_2O
10-FS715	Ø85 mm front. 50 mm ID water x 32 mm ID air	White PVC/ABS	2 5/8" app. 67mm	3 m3/h@ 7 m H_2O





FREEDOM METAL ESCUTCHEON
10-FS35A



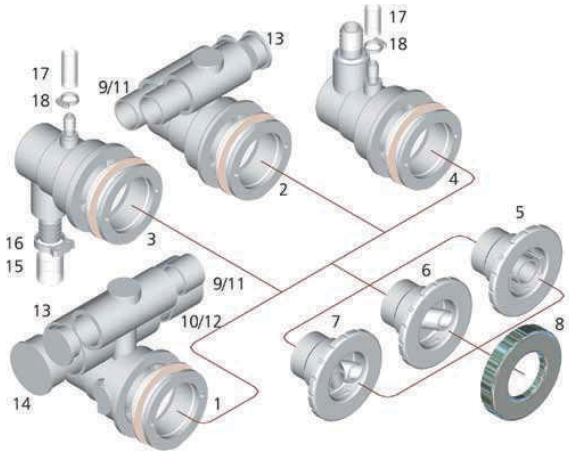


FREEDOM METAL ESCUTCHEON
10-5845-5

Part Number	Measurements	Material	Note
10-FS35A	Ø53.7 mm	White ABS	To be used with jet 10-FS711 or 10-FS715
10-5845-5	Ø91.1 mm	Stainless steel	To be used with trim kit 10-FS00TA-x and
10-FS35A	Ø53.7 mm	White ABS	To be used with jet 10-FS711 or 10-FS715

WATER JETS MEDIUM

MAGNA™ JET

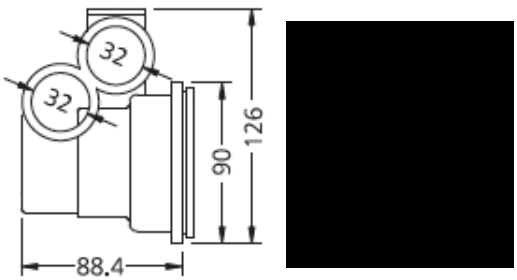


FEATURED HIGHLIGHTS

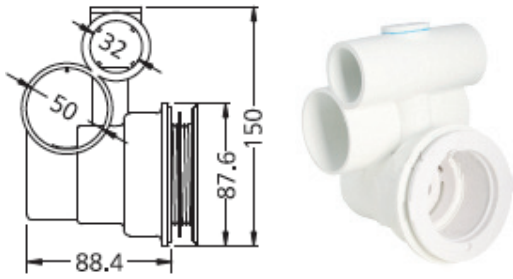
- Different colours available
- Directional and rotating options
- Easy installation
- Elegant design
- Exclusive chrome finish
- Flow adjustable
- Front diameter Ø91 - Ø95 mm
- Multiple front designs
- Stainless steel

Recommended for use in spas

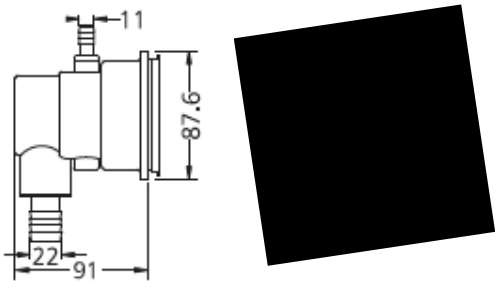
The Magna jet product family is designed for spa applications.



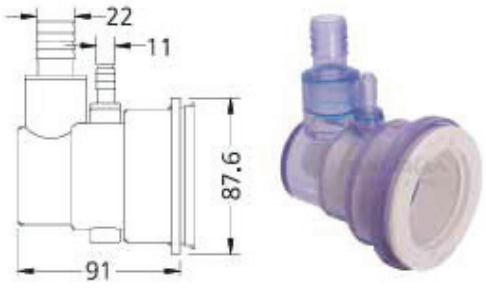
MAGNA™ JET BODY
10-4831



MAGNA™ JET BODY
10-4833



MAGNA™ JET BODY
10-4885



MAGNA™ JET BODY
10-4886

Product	Measurements	Material	Hole size	Recommended flow rate
10-4831	32 mm ID water x 32 mm ID air PVC	White ABS/	2 5/8" app.	67 mm 2.7 m^3/h@ 7m H_2O
10-4833	50 mm ID water x 32 mm ID air PVC	White ABS/	2 5/8" app.	67 mm 2.7 m^3/h@ 7m H_2O
10-4885	22 mm OD water barb (down) x 11 mm OD air barb (up)	Clear blue PVC/White ABS	2 5/8" app.	67 mm 2.7 m^3/h@ 7m H_2O
10-4886	22 mm OD water barb (up) x 11 mm OD air barb (up)	Clear blue PVC/White ABS	2 5/8" app.	67 mm 2.7 m^3/h@ 7m H_2O

STARTING PLATFORM

SUPER RACER 800



FEATURED HIGHLIGHTS

- Durable, non-slip Aquadeck ® tread
- Safe Start handles for fast starts and safety
- Backstart handles reinforced with SS316 for safety and durability
- Compatible with major electronic timing systems (including Omega RBD)
- 'No Dive' Covers available

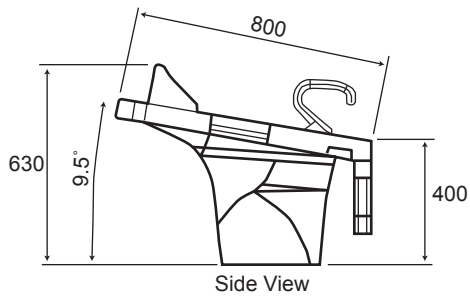
Starting Platform Super Racer 800

This is a premium starting platform suitable for top performance training and competition venues.

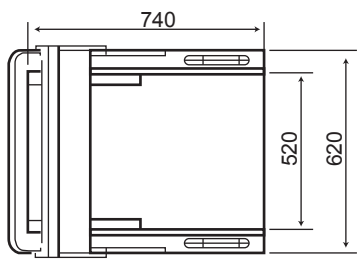
The platform includes the FINA Approved Moveable Track Start and Safe Start Handles.training and competition venues.

The platform includes the FINA Approved Moveable Track Start and Safe Start Handles.





Side View



Vertical View

Part Number	Model	Product	Description	Weight	Volume
931166132	EOP017	SUPER RACER 800	GRP, 800mm Top	43kg	0.42m³
931166133	EOP018	PLATFORM COVER	NO DIVING	2kg	0.05m³

STARTING PLATFORM

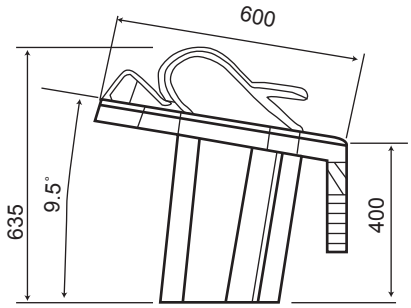
SUPER RACER 600



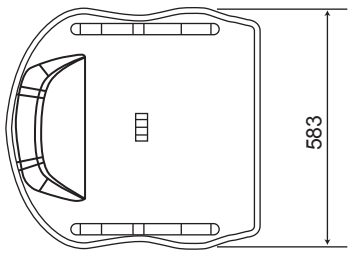
FEATURED HIGHLIGHTS

- Glass-Reinforced plastic (GRP) construction with 316 SS fittings.
- Compliant with FINA starting platform guide lines FR2.7.
- Fixed Track Start and Safe Start handles for fast start times and safety.
- Back start handle is reinforced with SS316.
- Top features non-slip finish.

It is designed for the requirements of competition and training pools.



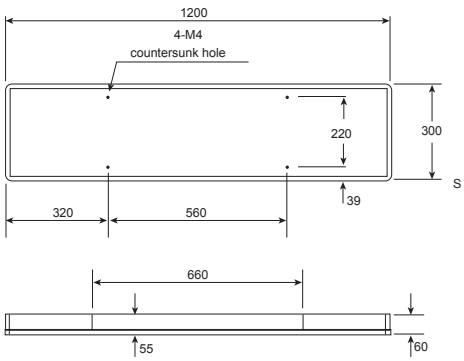
Side View



Part Number	Model	Product	Description	Weight	Volume
931166135	EOP115	RACER 600	STARTING PLATFORM GRP, WHITE COLOR	43kg	0.27m³

OVERFLOW BLOCK STAND

The Overflow BlockStand provides a stable and durable platform for the installation of blocks in an overflow pool environment.



TURN BOARD

Produced from FRP with SS316 fittings, the turn board provides positive confirmation of the pool end for the swimmer and attaches to the Overflow BlockStand with 4 x SS M4 Bolts.



Part Number	Model	Product	Description	Weight	Volume
931166136	EOP020	OVERFLOW BLOCK STAND	GRP, 800mm Top	31kg	0.45m³
931166137	EOP021	TURN BOARD GRP	GRP 1.2m x 0.3m	10kg	0.10m³
931166138	EOP429	TURN BOARD GRP	GRP 2.0m x 0.3m	13kg	0.15m³

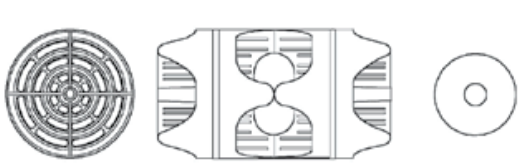
RACING LANE



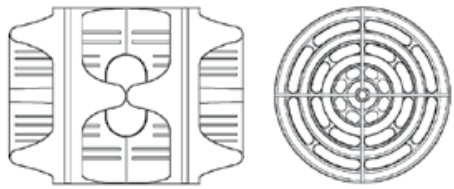
FEATURED HIGHLIGHTS

- Meet FINA (2013-2017) requirements
- Threaded rod allows safe and simple lengthening or shortening of lane ropes.
- Stainless Steel rod with brass ferrule and glass filled polycarbonate body construction.
- Cable is SS316 with diameter of 3.1mm and max force of 5KN.
- Super tensioner body length including lock nut is 230mm.
- All fittings are marine grade SS316.
- Super Tensioner is tested up to 4kN line pressure, allowing high performance wave dissipation.

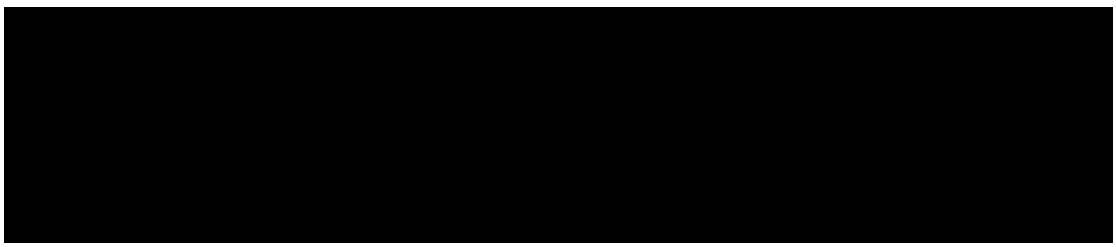
Part Number	Model	Product	Description	Weight	Volume
931166122	EOP001	25M SMALL	RACING LANE 110MM DIAMETER	29kg	0.34m³
931166123	EOP002	25M LARGE	RACING LANE 150MM DIAMETER	34kg	0.62m³
931166124	EOP003	50M SMALL	RACING LANE 110MM DIAMETER	57kg	0.68m³
931166125	EOP004	50M LARGE	RACING LANE 150MM DIAMETER	68kg	1.20m³
931166126	EOP005	SUPER TENSIONER	LANE TENSIONER WITH SHORT CLAMP SET	0.06kg	0.001m³
931166127	EOP009	LONG CLAMP	SUPPLIED WITH SS HOOK	0.1kg	0.001m³



Small LANE



Large LANE

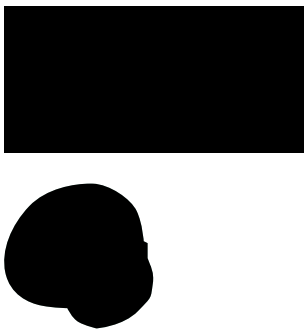


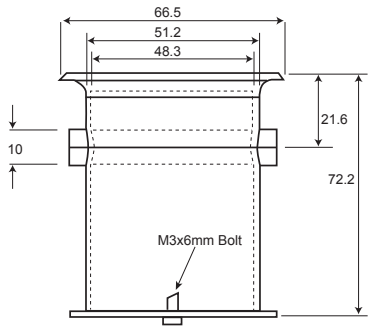
1. The small LANE 110mm is suitable for competition, water polo and general pool division.

2. The large LANE 150mm is designed for optimal water dissipation and wave control in high turbidity competitive environments (shown above), such as top National and International competition venues.

LANE ANCHORS

DECK HOLE ANCHORS & OVERFLOW LANE ANCHORS



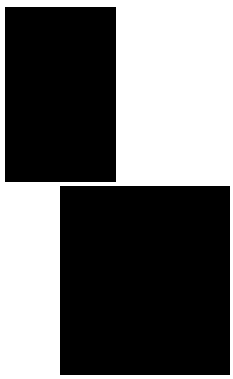


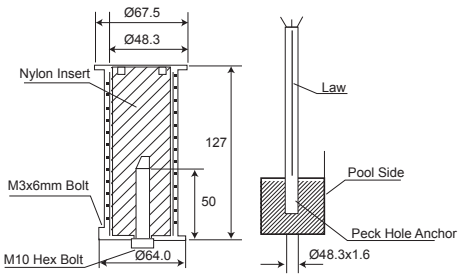
FEATURED HIGHLIGHTS

- SS316 Lane Anchor with 38.1mm or 48.3mm diameter x 72.2mm length.
- Optional Booker Rod may be used if required.
- Feature flush fitting end cap

Racing Lane Anchors provide secure flush anchoring to the pool for lane ropes and goal lines

DECK HOLE ANCHORS



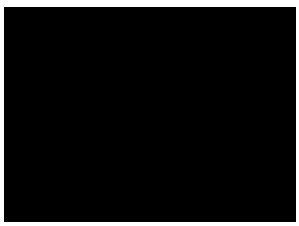


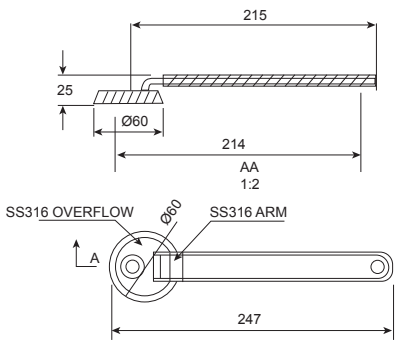
FEATURED HIGHLIGHTS

- Provides a flush and secure anchor for equipment.
- Fabricated from either marine grade SS316 or Nylon.
- SS316 Deck Hole available in 38.1mm x100mm.
- Marine Nylon Deck Anchor (not pictured) available in 48.3mm x 125mm only.

OVERFLOW LANE ANCHORS

Overflow Lane Anchors provide secure anchoring of Lanes to the pool in overflow pools.





Part Number	Model	Product	Description	Weight	Volume
931166122	EOP001	25M SMALL	RACING LANE 110MM DIAMETER	29kg	0.34m³
931166123	EOP002	25M LARGE	RACING LANE 150MM DIAMETER	34kg	0.62m³
931166124	EOP003	50M SMALL	RACING LANE 110MM DIAMETER	57kg	0.68m³
931166125	EOP004	50M LARGE	RACING LANE 150MM DIAMETER	68kg	1.20m³
931166126	EOP005	SUPER TENSIONER	LANE TENSIONER WITH SHORT CLAMP SET	0.06kg	0.001m³
931166127	EOP009	LONG CLAMP	SUPPLIED WITH SS HOOK	0.1kg	0.001m³

LANE ROLLER & LANE SAVER

LANE ROLLERS





FEATURED HIGHLIGHTS

- High capacity, unbeatable quality.
- Powder Coated Aluminum construction.
- Exceptional Capacity - holds up to 6 x 25m Small 110mm lanes or 4 x 25m Large 150mm.
- Strong SS316 Castor Wheels with brake.

Part Number	Model	Product	Description	Weight	Volume
931166142	EOP010	STOREEL	ALU LANE STORAGE REEL	48kg	0.47m³

LANE SAVER



FEATURED HIGHLIGHTS

- Hooks over the pool edge to enable easy and safe removal of lanes.
- Produced from reinforced Fiber-reinforced plastic (FRP).

Lane Saver provides a safe and quick removal and installation of racing lanes and prevent pool edge damage.

Part Number	Model	Product	Description	Weight	Volume
931166147	EOP013	LANE SAVER	GRP LANE REMOVAL	3.25kg	0.07m³

BACK STROKE, FALSE START SET & LIFEGUARD CHAIR

BACK STROKE & FALSE START SET



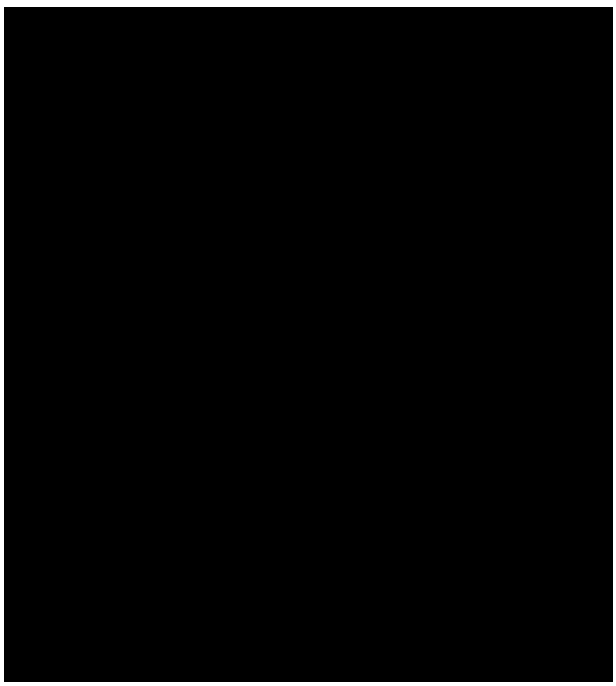
FEATURED HIGHLIGHTS

Contains a complete set of poles, flags, lines and pool deck fittings, including:

- 2 x SS316 False Start Poles.
- 1 x False Start Flags and Rope
- 2 x Deck Hole Anchors
- Three sizes available - 21m, 25m and 50m.

Part Number	Model	Product	Description	Weight	Volume
931166139	EOP039	FALSE START SET WITH ANCHOR & ROPE	SS316 POLES X 2, DH ANCHORS X 2	30kg	0.40m³
931166140	EOP032	BACKSTROKE SET W FLAGS	SS316 POLES X 2, DH ANCHORS X 2	54kg	0.65m³

LIFEGUARD CHAIR



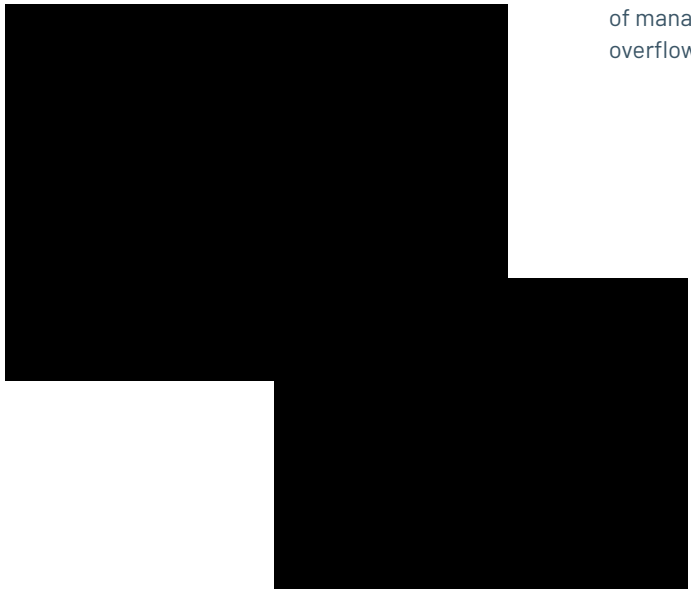
FEATURED HIGHLIGHTS

- Sturdy Aluminum construction with white powder coating.
- Nylon wheels allows the chair to be safely moved.
- Rubber inserts protect the pool deck from scratches and ensures stable positioning.
- Lifeguard chair has fittings for the mounting of a lifeguard buoy and Umbrella, both located just behind the seating location.
- Height from ground to base of seat is 1895mm.
- Base dimensions are 1200mm x 1200mm.
- Total height to top of chair is 2000mm.

Part Number	Model	Product	Description	Weight	Volume
931166141	EOP012	LIFEGUARD CHAIR	ALU LIFEGUARD CHAIR - 4 STEP	51kg	1.24m³

BLOCK FORM & GRATTING

BLOCK FORM



It is designed to provide a safe and efficient means of managing competition and fitness swimming in an overflow or 'wet deck' pool environment.

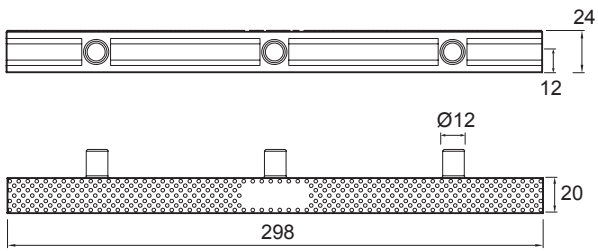
FEATURED HIGHLIGHTS

- Compliance **FINA standard** for competition and training events.
- Enables the installation of starting blocks and timing equipment in over flow pool environment
- Movable gratings on top and sides for quick and easy cleaning.
- Support most popular timing Systems and touch pads.
- Non-slip surface provides positive confirmation of the end of the pool to the swimmer as well as safe and speedy exiting of the pool.

Part Number	Model	Product	Description	Weight	Volume
931166149	EOP023	FRP BLOCK PLATFORM	WHITE FRP 2.5M X 0.7M X 0.3M	60kg	0.80m³
931166148	EOP024	HITECH BLOCK PLATFORM	WHITE EXTRUDED PLAST 2.5M X 1M X 0.3M	100kg	1.00m³

GRATING





Competition Pool Gratings connection joint by interlocking design that maximum strength and durability on the pool deck to provide better of comfort under the feet.

FEATURED HIGHLIGHTS

- Safe and non-toxic Polypropylene (PP) material with strong and durable interlocking connection joint between each grating.
- Anti-Slip's slip resistance grade is equivalent to DIN 51097 testing criteria, Category B.
- UV resistant and color consistent.
- Easy maintenance and cleaning
- Available in 250mm, 300mm, and 350mm width

Part Number	Model	Product	Description	Weight	Volume
931166144	EOP026	TRANSGRATE PP	250MM WIDTH GRATING	3kg	0.01m³
931166145	EOP027	TRANSGRATE PP	300MM WIDTH GRATING	4.7kg	0.01m³
931166146	EOP028	TRANSGRATE PP	350MM WIDTH GRATING	5.5kg	0.01m³

LEGEND

Eco Select™ :
Eco Select™ branded product

PENTAIR :
Pentair® Branded Product

Kreepy Krauly® :
Kreepy Krauly® branded products

STA-RITE :
Sta-Rite™ branded product

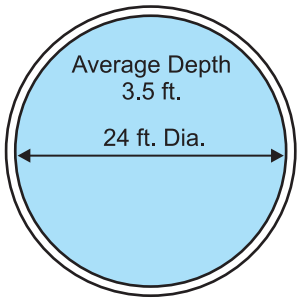
Clear Pro :
Products with ClearPro Technology®

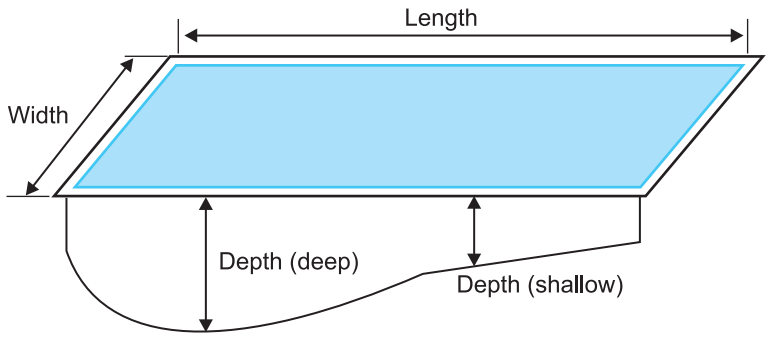
Seawater logo or Salt water :
Indicates the salt resistance

Free access :
Free software acces

IE2 or IE3 :
Meets the IE2 or IE3 regulations

ESTIMATING TOTAL VOLUME OF WATER IN A POOL



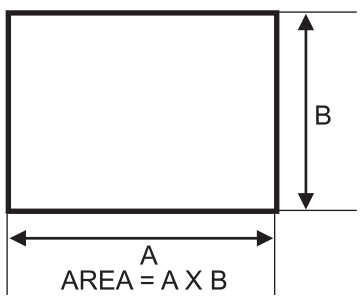


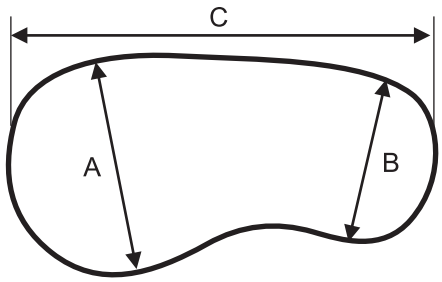
Radius² x 3.14 x Av. Dp. x 7.5 = Gallons
12 x 12 x 3.14 x 3.5 x 7.5 = 11,869 Gals.
11,869 × 0.00378541 = 44.93 m^3

Dia. x Dia. x Av. Dp. x 5.9 = Gallons
24 x 24 x 3.5 x 5.9 = 11,894 Gals.
11,894 × 0.00378541 = 45.04 m^3

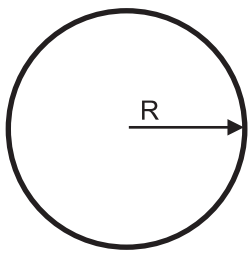
Formula A: Length X Width X Average Depth X Gal.cu.ft. = Gallons
Example: Pool Length = 40 ft. **(12.19 m)**
Pool Width = 20 ft. **(6.10 m)**
Shallow Depth = 3 ft. **(0.91 m)**
Deep Depth = +8 ft. **(2.44 m)**
Total Depth = 11 ft. **(3.35 m)**
Using formula A: 40 X 20 = 800 sq. ft., 800 X 5.5 = 4,400 cubic ft., 4,400 X 7.5 = 33,000 gallons

Pool Shape	Gallon	× 0.13368 → m^3
Rectangle	7.5	1.0026 m^3
Oval	6.7	0.8967 m^3
Kidney	7.0	0.9358 m^3

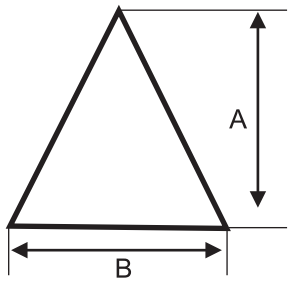




AREA = .45 X (A + B) C



AREA = 3.14 X R X R



AREA = A X B÷2

The area in square feet for pools and spas can be determined by using one or more of the above formulas.

UNITS OF MEASURE

UNITS OF LENGTH

UNIT	INCH	FOOT	YARD	METER
INCH	1.0	0833.	0278.	0254.
FOOT	12.0	1.0	333.	305.
YARD	36.0	3.0	1.0	9144.
METER	39.37	3.281	1.094	1.0

UNITS OF AREA

UNIT	SQUARE INCH	SQUARE FOOT	SQUARE YARD	SQUARE METER
SQUARE INCH	1.0	.00694	.000772	.000645
SQUARE FOOT	144.0	1.0	.1111	.0929
SQUARE YARD	1,296.0	9.0	1.0	.836
SQUARE METER	1,550.0	10.76	1.196	1.0

UNITS OF VOLUME

UNIT	U.S. GALLON	IMPERIAL GALLON	CUBIC FEET	POUNDS OF WATER	CUBIC METERS
U.S. GALLON	1.0	.833	.1337	8.33	.003785
IMPERIAL GALLON	1.2	1.0	.1605	10.0	.004546
CUBIC FEET	7.481	6.232	1.0	62.37	.0283
POUNDS OF WATER	.12	.09996	.0160	1.0	.00045
CUBIC METERS	264.2	220.0	35.31	2,204.0	1.0

UNITS OF FLOW

UNIT	U.S. G.P.M.	IMPERIAL G.P.M.	CUBIC FEET/ SECOND	CUBIC FEET/HOUR	LITERS/ SECOND
U.S. G.P.M.	1.0	.833	.00223	8.02	.0631
IMPERIAL G.P.M.	1.2	1.0	.00268	9.63	.0757
CUBIC FT. PER SECOND	448.8	374.0	1.0	3.600	28.32
CUBIC FT. PER HOUR	.1247	.104	.00028	1.0	.0078
LITERS PER SECOND	15.85	13.21	.0353	127.13	1.0

UNITS OF PRESSURE

UNIT	INCHES OF WATER	FEET OF WATER	POUNDS PER SQUARE INCH	INCHES OF MERCURY
INCHES OF WATER	1.0	.0833	.0361	.0736
FEET OF WATER	12.0	1.0	.433	.883
POUNDS PER SQUARE INCH	27.72	2.31	1.0	2.04
INCHES OF MERCURY	13.596	1.133	.4906	1.0

PRESSURE AND EQUIVALENT FEET HEAD OF WATER

Lbs. per Sq. In.	Feet Head	Lbs. per Sq. In.	Feet Head	Lbs. per Sq. In.	Feet Head	Lbs. per Sq. In.	Feet Head
1	2.31	20	46.18	120	276.42	225	519.23
2	4.62	25	57.72	125	288.46	250	576.92
3	6.93	30	69.27	130	300.00	275	634.62
4	9.24	40	92.36	140	323.08	300	692.31
5	11.54	50	115.38	150	346.15	325	750.00
6	13.85	60	138.46	160	369.23	350	807.69
7	16.16	70	161.53	170	392.31	375	865.38
8	18.47	80	184.62	180	415.38	400	923.08
9	20.78	90	207.69	190	438.46	500	1153.85
10	23.09	100	230.77	200	461.54	1000	2307.69
15	34.63	110	253.85				

UNITS OF MEASURE

EQUIVALENT VALUES OF PRESSURE

1 in. of Mercury (hg) = 1.13 ft. of water

Inches of Mercury	Feet of Water	Pounds per Sq. In.	Inches of Mercury	Feet of Water	Pounds per Sq. In.	Inches of Mercury	Feet of Water	Pounds per Sq. In.
1	1.13	0.49	11	12.45	5.39	21	23.78	10.3
2	2.26	0.98	12	13.57	5.87	22	24.88	10.8
3	3.39	1.47	13	14.70	6.37	23	26.00	11.28
4	4.52	1.95	14	15.82	6.86	24	27.15	11.75
5	5.65	2.44	15	16.96	7.35	25	28.26	12.25
6	6.78	2.93	16	18.09	7.84	26	29.40	12.73
7	7.91	3.42	17	19.22	8.33	27	30.52	13.23
8	9.04	3.91	18	20.35	8.82	28	31.65	13.73
9	10.17	4.40	19	26.47	9.31	29	32.80	14.22
10	11.30	4.89	20	22.60	9.80	29.929	33.947	14.6969

WEIGHT
1 U.S. GALLON OF WATER = 8.33 LBS.
1 CUBIC FOOT OF WATER = 62.35 LBS.
1 KILOGRAM (LITRE) = 2.2 LBS.
1 IMPERIAL GALLON = 10.0 LBS.

CURRENT CAPACITY (AMPS) OF WIRE[1]

Three wires in cable, ambient temp. 86°F

WIRE SIZE	AMPERES	
	COPPER	ALUMINIUM
14	20	-
12	25	20
10	30	25
8	40	30
6	55	40
4	70	55
3	85	65
2	95	75
1	110	85
0	125	100

[1] Wire size is minimum for amperes listed.

EFFICIENCY	
EFFICIENCY	$\frac{\text{POWER OUTPUT}}{\text{POWER INPUT}}$
MOTOR EFFICIENCY	$\frac{\text{HP OUTPUT}}{\text{K.W. INPUT}}$
PUMP EFFICIENCY	$\frac{\text{G.P.M x TOTAL HEAD (F.T.)}}{3960 \times \text{BHP}}$
OVERALL PLANT EFFICIENCY (OPE)	$\frac{\text{G.P.M x TOTAL HEAD (F.T.)}}{5310 \times \text{K.W. INPUT}}$

Amperage =	$\frac{\text{Watts}}{\text{Volts}}$
Watts =	Volts x Amperage
WHP =	Water Horsepower (output HP of pump) = $\frac{\text{g.p.m x total head}}{3960}$
HP input (to motor) =	KW input x 1.341
Total Head =	Discharge head + Pumping water level (ft)
Discharge Head =	Discharge Pressure (PSI) x 2.31 ft. of head

CONVERSION REFERENCE CHART

PRESSURE TO HEAD CONVERSION		
Feet of Water	Meter of Water	PSI
10	3.05	4.34
20	6.10	8.67
30	9.15	13.01
40	12.20	17.34
50	15.24	21.68
60	18.29	26.01
70	21.34	30.35
80	24.39	34.68
90	27.44	39.02
100	30.49	43.35
110	33.54	47.69
120	36.59	52.02
130	39.63	56.36
140	42.68	60.69
150	45.73	65.03

VOLUME FLOW RATE CONVERSION		
US Gallons per minute	Cubic Meter per hour	British Gallons per minute
10	2.27	8.33
20	4.54	16.65
30	6.81	24.98
40	9.09	33.31
50	11.36	41.64
60	13.63	49.96
70	15.90	58.29
80	18.17	66.62
90	20.44	74.94
100	22.71	83.27
110	24.98	91.60
120	27.26	99.92
130	29.53	108.25
140	31.80	116.58
150	34.07	124.91
160	36.34	133.23
170	38.61	141.56
180	40.88	149.89
190	43.15	158.21
200	45.43	166.54
210	47.70	174.87
220	49.97	183.19
230	52.24	191.52
240	54.51	199.85
250	56.78	208.18
260	59.05	216.50
270	61.32	224.83
280	63.60	233.16
290	65.87	241.48
300	68.14	249.81
310	70.41	258.14
320	72.68	266.46
330	74.95	274.79
340	77.22	283.12
350	79.49	291.45
360	81.77	299.77
370	84.04	308.10
380	86.31	336.43
390	88.58	324.75
400	90.85	333.08

FRICTION FLOW

FRICTION/FLOW CHART FOR SCHEDULE 40 RIGID PVC PIPE[1]

U.S. Gal.per min.	3/4 in. pipe		1 in. pipe		1-1/4 in. pipe		1-1/2 in. pipe		2 in. pipe		2-1/2 in. pipe		3 in. pipe		4 in. pipe		5 in. pipe		6 in. pipe		U.S. Gal.per min.
	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	Velocity feet per second	Loss in feet	
1	.71	.40	.40	.10	0.26	0.03															1
2	1.43	1.44	.80	.35	.51	.12	.36	.05													2
3	2.14	3.05	1.20	.75	.77	.25	.53	.10													3
4	2.85	5.19	1.60	1.28	1.03	.43	.71	.18													4
5	3.56	7.85	2.00	1.94	1.28	.65	.89	.27	.50	.07	.32	.02	.22	.01							5
6	4.28	11.01	2.41	2.71	1.54	.92	1.07	.38	.60	.09	.38	.03	.27	.01							6
8	5.70	18.75	3.21	4.62	2.05	1.56	1.43	.64	.80	.16	.51	.05	.36	.02							8
10	7.13	28.34	4.01	6.99	2.57	2.36	1.78	.97	1.00	.24	.64	.08	.45	.03							10
15	10.69	60.06	6.01	14.81	3.85	5.00	2.67	2.06	1.50	.51	.96	.17	.67	.07							15
20			8.02	25.24	5.13	8.52	3.56	3.51	2.00	.87	1.28	.29	.89	.12	.50	.03					20
25			10.02	38.16	6.41	12.88	4.45	5.31	2.51	1.31	1.60	.44	1.11	.18	.63	.04					25
30			12.03	53.48	7.70	18.06	5.34	7.44	3.01	1.83	1.92	.62	1.34	.26	.75	.06	.48	.02			30
35					8.98	24.03	6.24	9.89	3.51	2.44	2.24	.82	1.56	.34	.88	.08	.56	.03			35
40					10.26	30.77	7.13	12.67	4.01	3.13	2.57	1.06	1.78	.43	1.00	.11	.64	.04			40
45					11.54	38.27	8.02	15.76	4.51	3.89	2.89	1.31	2.00	.54	1.13	.13	.72	.05			45
50					12.83	46.51	8.91	19.16	5.01	4.72	3.21	1.60	2.23	.66	1.25	.16	.80	.05	.56	.02	50
60							10.69	26.85	6.01	6.62	3.85	2.24	2.67	.92	1.50	.23	.96	.08	.67	.03	60
70									7.01	8.81	4.49	2.98	3.12	1.23	1.75	.30	1.12	.10	.78	.04	70
80									8.02	11.28	5.13	3.81	3.56	1.57	2.00	.39	1.28	.13	.89	.05	80
90									9.02	14.03	5.77	4.74	4.01	1.95	2.25	.48	1.44	.16	1.00	.07	90
100									10.02	17.06	6.41	5.76	4.45	2.37	2.51	.59	1.60	.20	1.11	0.08	100
125											8.02	8.71	5.57	3.59	3.13	.88	2.00	.30	1.39	.12	125
150											9.62	12.20	6.68	5.03	3.76	1.24	2.41	.42	1.67	.17	150
175													7.79	6.69	4.38	1.65	2.81	.56	1.95	.2 3	175
200													8.91	8.56	5.01	2.11	3.21	.71	2.23	.29	200
225													10.02	10.65	5.64	2.63	3.61	.89	2.51	.37	225
250													11.13	12.95	6.26	3.19	4.01	1.08	2.78	.44	250
275															6.89	3.81	4.41	1.29	3.06	.53	275
300															7.52	4.48	4.81	1.51	3.34	.62	300
325															8.14	5.19	5.21	1.75	3.62	.72	325
350															8.77	5.95	5.61	2.01	3.90	.83	350
375															9.39	6.77	6.01	2.28	4.18	.94	375
400															10.02	7.63	6.41	2.57	4.45	1.06	400
425																	6.81	2.88	4.73	1.19	425
450																	7.22	3.20	5.01	1.32	450
475																	7.62	3.54	5.29	1.46	475
500																	8.02	3.89	5.57	1.60	500
550																	8.82	4.64	6.12	1.91	550
600																	9.62	5.46	6.68	2.25	600
650																			7.24	2.61	650
700																			7.79	2.99	700
750																			8.35	3.40	750
1000																			11.13	5.79	1000

[1] Friction loss of water in feet per 100 feet length of pipe. Based on Williams & Hazen formula using constant 150.

[2] Recommended operating flow velocities indicated by boxed areas.

BLOWER SIZING

HORSEPOWER

To Get This	Divide This	By This
Horsepower	Kwatts	0.746
Horsepower	Watts	746
Horsepower	Torque (ft. lbs.) X RPM	33000
Horsepower	Torque (ft. lbs.) X RPS	550
Horsepower required to pump water at a given rate to a given Height, assuming 100% eff. AKA Water Horsepower	GPM x TDH (ft.)	3960
	GPH X TDH (psi)	103000
Brake HP	Water HP	Pump eff.

AIR BLOWER SIZING GUIDE

BLOWER MOTOR SIZE	VOLTS	AMPS	MAXIMUM INCHES OF WATER DEPTH	JETS ONLY RECOMMENDED NUMBER OF JETS
1 HP	120V	6.6	35 in.	5-10
1-1/2 HP	120V	7.4	45 in.	9-15
2 HP	120V	9.3	55 in.	12-17
1 HP	240V	3.9	30 in.	4-9
1-1/2 HP	240V	4.3	40 in.	8-13
2 HP	240V	5.0	50 in.	12-17

BLOWER SIZING FORMULA	
Measure total depth of water in spa (not total spa depth)	
Add - 1 in. water for each 10 ft. of 2 in. air pipe	Add 1/2 in. water for each 90 deg. 2 in. elbow
Compare your total with maximum inches of water column and select that size or the next size higher blower than your total, in your selected voltage.	
The number of holes in the air channel (both floor and seat) should be approximately 1.6 sq. in. total plus or minus .5	
1/8 in. hole = .0123 sq. in.	3/16 in. hole = .0276 sq. in.
5/32 in. hole = .0192 sq. in.	1/4 in. hole = .0491 sq. in.

Notes / Comments

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Smart, Sustainable
Water Solutions.

FOR **LIFE.**

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POOL

Manufacturing Facility
L/52-55 Verna Salcette, Verna Industrial Estate, Verna, Goa, North
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