PUMPS

+ info
PDB Product Database
Further information in PRODUCTS.
www.astralpool.com

VARIABLE SPEED PUMPS

56561

56562

66397

COMPATIBLE NN thing
Fluidra Connect compatible

See the VIRON Variable speed pumps energy efficiency calculator on our website at www.astralpool.com or our ToolBox app

TOOL BOX
AstralPool Toolbox app for IOS and Android

Viron variable speed pumps

Variable speed pumps are a new concept in pool pumps. AstralPool Viron variable speed pumps are the most efficient solution for the pool and their performance can be adapted according to the installation and user needs. Increasing and decreasing their speed not only modifies the speed and flow-rate, but also energy consumption.

Halving the speed of the pump is able to reduce the energy consumed by more than 85%. In addition, Viron variable speed pumps are controlled through an LCD display with backlighting showing RPM and have 4 timer settings for each day, allowing different speed settings.

The AstralPool range in VIRON variable speed pumps is:

Viron P320

Ideal for the average sized pools, the P320 eVo has a flow rate sufficient to backwash sand filters up to 800 mm in diameter. The LCD display shows the RPM of the motor and provides up to four time periods each day with different speed settings to provide the perfect flow rate for the pool.

The preset speeds incorporated in the P320 model offers the following approximate flow rates:

High: 292lpm Mid: 206lpm Low: 128lpm.

Viron P600

The Viron P600 eVo is capable of the most demanding applications with high flow and high pressure rates, whilst delivering the utmost in energy efficiency.

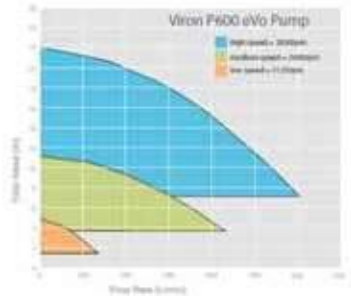
In addition the P600 eVo incorporates an electronic power factor correction system that provides even further reductions in power consumption, even at maximum speed.

The preset speeds incorporated in the P320 model offers the following approximate flow rates:

High: 600lpm Mid: 426lpm Low: 200lpm.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
Variable speed pump VIRON P320	**56561**	1	-	-
Variable speed pump VIRON P600	**56562**	1	-	-
Fluidra Connect safety power pack	**66397**	1	-	-

TECHNICAL SHEET	Viron P320	Viron P600
Minimum annual energy cost	374 KWh per year	367 KWh per year
Variable speed memory	•	•
LCD speed display screen	•	•
Speed settings for each function	•	•
Adapts to pools and users	•	•
Variable priming flow rate	•	•
Selection of priming times from 2 to 120 min	•	•
Up to 4 programmable speeds per day	•	•
Built-in timers with speed selection	•	•
Suitable for in-floor cleaning systems	•	•
Suitable for large sand filters		•
Large pools require extra circulation		•
Power factor correction		•
Easy-to-maintain motor		•
All electronic components can be repaired or replaced	•	•



VICTORIA PLUS SILENT

The new generation of filtration pumps

VICTORIAPLUS SILENT

Victoria Plus Silent pump

A self-priming pump with single-phase and three-phase motors of 1/2 to 3 cv. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. The motors supplied come with an IP-55 protection rating and have been prepared to withstand hot environments and high levels of humidity. The main characteristics of Victoria Plus Silent are:

- Low noise level: between 61 dB and 70 dB.
- Easy to use: Prefilter cap with 2 levers included (no spanner needed).
- Compatibility: Fully compatible in pools fitted with a Victoria Plus pump.

Larger front bearing for improved axial thrust.

PVC accessories assembly included in pump.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
10000 l/h 0.43 kW (1/2 HP) 230 V II	**65557**	1	12	0.07
10000 l/h 0.43 kW (1/2 HP) 230/400 V III	**65558**	1	12	0.07
11000 l/h 0.61 kW (3/4 HP) 230 V II	**65560**	1	13	0.07
11000 l/h 0.60 kW (3/4 HP) 230/400 V III	**65561**	1	13	0.07
16000 l/h 0.78 kW (1 HP) 230 V II	**65562**	1	14	0.07
16000 l/h 0.76 kW (1 HP) 230/400 V III	**65563**	1	14	0.07
21500 l/h 1.10 kW (1.5 HP) 230 V II	**65564**	1	14	0.07
21500 l/h 1.10 kW (1.5 HP) 230/400 V III	**65565**	1	14	0.07
26000 l/h 1.46 kW (2 HP) 230 V II	**65566**	1	17	0.07
26000 l/h 1.46 kW (2 HP) 230/400 V III	**65567**	1	17	0.07
34000 l/h 2.20 kW (3 HP) 230 V II	**65569**	1	18	0.07
34000 l/h 2.20 kW (3 HP) 230/400 V III	**65570**	1	18	0.07

See performance curves on page 157

+ info
PDB Product Database
Further information in PRODUCTS.
www.astralpool.com

SELF-PRIMING PUMPS

Sena pump

New generation of pumps. Single-phase motors from 1/3 cv up to 1.25 cv in and three-phase motors from 3/4 cv to 1.25 cv. GS marking. IP-55 protection rating, Class F insulation and AISI-316 stainless steel for all components in direct contact with water. Glue-in pipe connection sleeve 50 mm in diameter. Flow rate in l/h at 6 m.c.a. for 0.33 cv, at 8 m.c.a. for 0.5 cv, 10 m.c.a.for the remainder of the range.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
7000 l/h. 1/3 HP. 230 V II	**25461**	1	10.20	0.055
8500 l/h. 1/2 HP. 230 V II	**25462**	1	10.20	0.055
9000 l/h. 3/4 HP. 230 V II	**25463**	1	11.65	0.055
9000 l/h. 3/4 HP. 230/400 V III	**25464**	1	11.40	0.055
11800 l/h. 1 HP. 230 V II	**25465**	1	12.75	0.055
11800 l/h. 1 HP. 230/400 V III	**25466**	1	13.00	0.055
14000 l/h. 1.25 HP. 230 V II	**25467**	1	13.75	0.055
14000 l/h. 1.25 HP. 230/400 V III	**25468**	1	13.55	0.055

Alaska Basic pump

QUALITY PRICE
New

The ALASKA BASIC pump is designed to work under a vast range of conditions. Whatever the pool type, it always delivers the required flow rate and pressure.

ALASKA BASIC is built for ease of handling. It has a see-through lid for easy inspection and a large strainer to extend time between cleanings.
The motor materials are rustproof; the motor shaft is made from stainless steel and the sealed bearings never need lubrication. The thermoplastic housing withstands extreme heat and corrosion.

- Five models available: 033, 050, 075, 100 and 125.
- ALASKA BASIC is easy to maintain. It has a see-through lid, a large strainer and easy-to-remove drainage caps for speedy hibernation. These are just some of the features that make it a good all-round pump.
- The new nut makes strainer maintenance easy.
- All the material was chosen with one goal: to make ALASKA BASIC resistant and long-lasting.
- All ALASKA BASIC pumps are tested to assess performance and pressure before shipping in order to ensure maximum quality.
- Flow rates in l/h at 6 mwc for 0.33 HP, 8 mwc for 0.5 HP, 10mwc for 0.75 HP and 12 mwc for rest of range.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
8500 l/h 0.23 kW (1/3 HP) 230 V II	**69383**	1	-	-
9400 l/h 0.38 kW (1/2 HP) 230 V II	**69384**	1	-	-
10100 l/h 0.52 kW (3/4 HP) 230 V II	**69385**	1	-	-
10600 l/h 0.71 kW (1 HP) 230 V II	**69386**	1	-	-
13800 l/h 0.82 kW (1.25 HP) 230 V II	**69387**	1	-	-

Other options available such as 230 HP and 60 Hz motors and Thai/Australian/British connections

Alaska Plus pump

The Alaska Plus pump's new hydraulic design moves water more efficiently and more quietly than any other pump of its category. Alaska Plus is built to be quiet, durable and reliable. Motor materials are rustproof and the stainless steel motor shaft and sealed bearings never need lubrication. Its thermoplastic housing withstands extreme heat and resist corrosion.

The pumps are self-priming from 1/2 HP to 3 HP and are supplied with 3,000 rpm single-phase and three-phase motors. Silent, the new hydraulic design offers an extremely low noise level when working under normal conditions. A prefilter is mounted on the body of the pump to prevent foreign objects from entering that may damage its hydraulic parts. Big strainer basket extends time between cleanings.

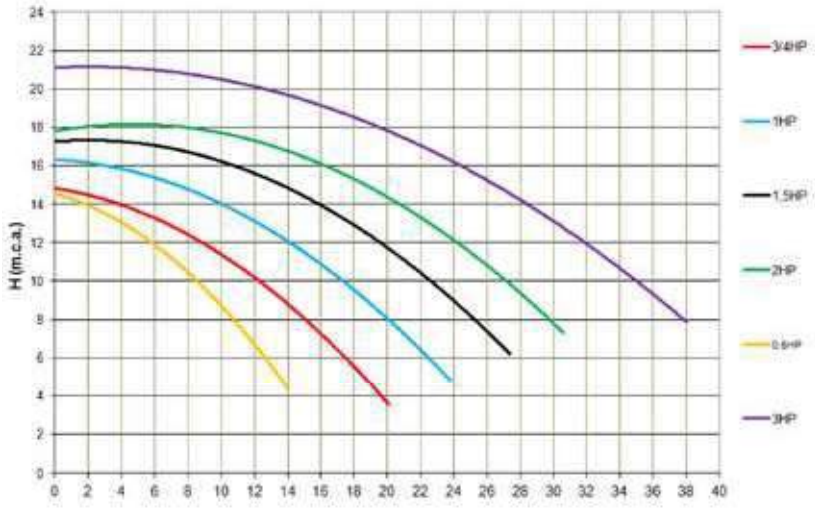
	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
11000 l/h 0.4 kW (1/2 HP) 230 V II	**51858**	1	13	0.072
13000 l/h 0.5 kW (3/4 HP) 230 V II	**51860**	1	14.2	0.072
16000 l/h 0.7 kW (1 HP) 230 V II	**51862**	1	15.2	0.072
16000 l/h 0.7 kW (1 HP) 230/400 V III	**51863**	1	16.2	0.072
23000 l/h 1.1 kW (1.5 HP) 230 V II	**51864**	1	18.8	0.072
23000 l/h 1.1 kW (1.5 HP) 230/400 V III	**51865**	1	18.8	0.072
27000 l/h 1.5 kW (2 HP) 230 V II	**51866**	1	20.3	0.072
27000 l/h 1.5 kW (2 HP) 230/400 V III	**51867**	1	20.3	0.072
35000 l/h 2.2 kW (3 HP) 230 V II	**51868**	1	22.3	0.072
35000 l/h 2.2 kW (3 HP) 230/400 V III	**51869**	1	23	0.072

See performance curves on next page.

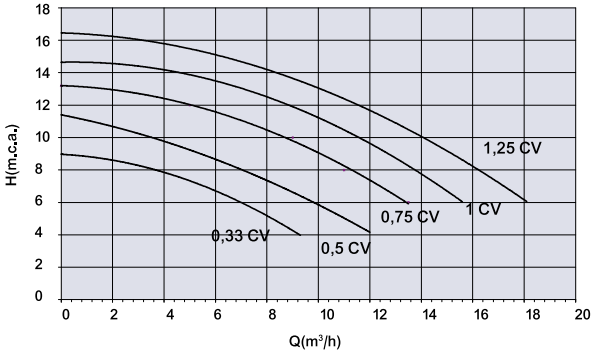
SELF-PRIMING PUMPS

Self-priming pump performance curves

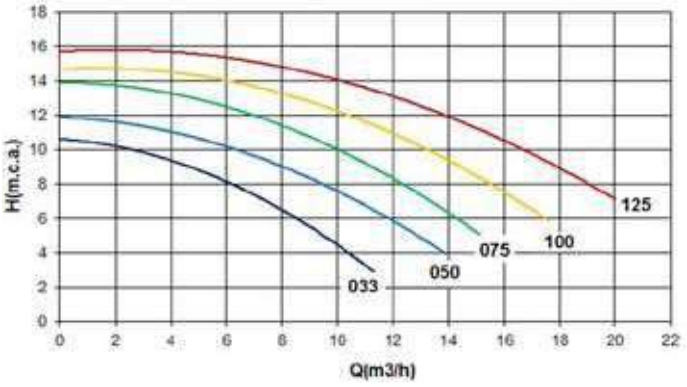
Victoria Plus Silent pump



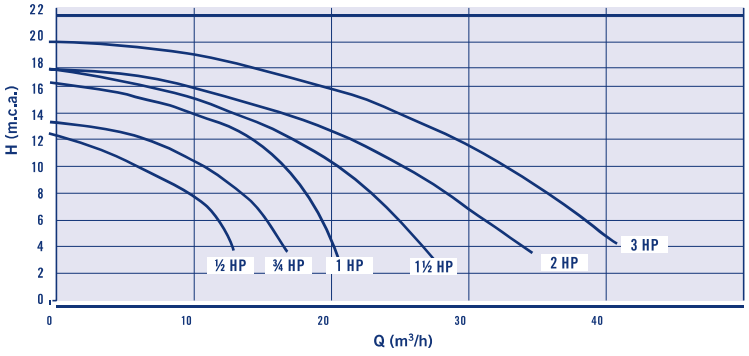
Sena pump



Alaska Basic Pump



Alaska Plus pump



CONTROL BOXES

Control boxes

IP-65 protection rating. Glass panel with lock and key. All units are compatible with:
- 220/240V 1-phase (P+N+T) 50Hz/60Hz
- 380/415V 3-phase (3P+N+T) 50Hz/60Hz
- 220/230V 3-phase (3P+T) 50Hz/60Hz

24 h programming clock with hourly programming. Connection for remote control of pump (on/off,...) and for auxiliary equipment (cold detector, level control...).

All products supplied with:
- Electrical diagram
- Connection diagram
- Instructions for installation
- EC conformity certificate
- Stuffing box at every cable entrance
- Screws and plugs (4) for fixing to wall

The control box model should be selected according to the nominal voltage of the pump:

Type	Intensity range	Power range 1-phase 230V	Power range 3-phases 400V	Power range 3-phases 230V
A	1.6A - 2.5A	1/4 HP	3/4 HP - 1 HP	1/2 HP
B	2.5A - 4A	1/2 HP	1.5 HP - 2 HP	3/4 HP - 1 HP
C	4A - 6.3A	3/4 HP - 1 HP	3 HP*	1.5 HP
D	6A - 10A	1.5 HP	4 HP**	2 HP - 3 HP

* Also 3.5 HP 400V 3~ in plastic (Code 08003)
** Also 4.5 and 5.5 HP 400 V 3~ in plastic (Codes 08004, 08005)

Control box for pump overload protection

Thermal overload protection (1.6 to 10A), contactor, 24 h programming clock, modular switch with 3 positions, Auto / 0 / Manual.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
Type A	**25717**	1	1.5	-
Type B	**25718**	1	1.5	-
Type C	**25719**	1	1.5	-
Type D	**25720**	1	1.5	-

Control box for pump overload protection and underwater light

Thermal overload protection (1.6 to 10A), contactor, 24 h programming clock, modular switch with 3 positions: Auto / 0 / Manual.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
Type A	**25721**	1	1.6	-
Type B	**25722**	1	1.6	-
Type C	**25723**	1	1.6	-
Type D	**25724**	1	1.6	-

CONTROL BOXES

Control box for pump overload protection and underwater light with differential protection

Thermal overload protection rating (1.6 to 10A), contactor, 24 h programming clock, Three positions: Auto/0/manual. Protected 230 V 10 A output and controlled for underwater projectors. Single-phase.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type A	**25725**	1	1.9	-
Type B	**25726**	1	1.9	-
Type C	**25727**	1	1.9	-
Type D	**25728**	1	1.9	-

Control box for pump overload protection and underwater light with differential protection

Thermal overload protection (1.6 to 10A), contactor, 24 h programming clock, Three positions: Auto/0/manual. Protected 230 V 10 A output and controlled for lights. Three-phase.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type A	**25729**	1	1.9	-
Type B	**25730**	1	1.9	-
Type C	**25731**	1	1.9	-
Type D	**25732**	1	1.9	-

Control box for pump overload protection and 1 underwater light

Control box for pump overload protection and 1 underwater light.
Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock, Three positions: Auto/0/manual. 12 V 315. Protected output for 1 underwater light

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type A	**25733**	1	6	-
Type B	**25734**	1	6	-
Type C	**25735**	1	6	-
Type D	**25736**	1	6	-

Control box for pump overload protection and 2 underwater lights

Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock, Three positions: Auto/0/manual. 12 V 630. Protected output for 2 underwater lights.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type A	**25737**	1	8	-
Type B	**25738**	1	8	-
Type C	**25739**	1	8	-
Type D	**25740**	1	8	-

CONTROL BOXES

Control box with overload protection for 2 pumps and control for 1 underwater light

Circuit breaker protection (2 pumps of 1.6 at 10 A), contactor and 24 h timer. Three positions: Auto/0/manual. Protected 230 V 10 A output for lights. Protected 12 V 315 VA output for 1 underwater light.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type C + Type D	**25741**	1	7.5	-
Type D + Type D	**25742**	1	7.5	-

Control box with protection for 2 pumps and control for 2 underwater lights

Thermal overload protection (1srt pump: 4 poles, 10 A max. / 2nd pump: 2 poles, 10 A max.), contactor, 24 hr. programming clock, modular switch "Auto / 0 / Manual". Transformer 230/12 V -600VA for 2 underwater light of 300W.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type C + Type D	**25743**	1	9.5	-
Type D + Type D	**25744**	1	9.5	-

Control box with protection for 2 pumps and control for 3 underwater lights

Thermal overload protection (4 poles, 10 A max.), contactor, 24 h programming clock, modular switch: Auto / 0 / Manual. Transformer 230/12 V -600VA + 300VA for 3 underwater light of 300 W.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Type A	**27088**	1	9.5	-
Type B	**27089**	1	9.5	-
Type C	**27090**	1	9.5	-
Type D	**27091**	1	9.5	-

Security transformer housing for pools with IP-65 protection rating

Manufactured according to the rules UNE-EN 61558 and directive CE.
- IP-657 housing protection rating.
- Class II transformer. Total protection against electric shocks.
- Self-extinguishing housing IEC 695-2-1.
- Frequency 50/60 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
130 VA from 220-240V to 12 V	**35807**	1	3.2	0.02
400 VA to 220-240V to 12-17 V	**35385**	1	6.8	0.04
800 VA from 220-240V to 12-17 V	**35386**	1	10.4	0.04

COUNTERCURRENT SWIMMING EQUIPMENT – SELECTION GUIDE

EQUIPMENT WITH STAINLESS STEEL HOUSING	EQUIPMENT WITH PLASTIC HOUSING	TWIN EQUIPMENT

GRAB RAILS

S.S. hand grip 65535	Polished S.S. Rectang. 00246	Painted S.S. Rectang. 09447	Painted S.S. Round 07536	Polished S.S. demi-circular 37214

S.S. hand grip 65535	Polished S.S. Rectang. 00246	Painted S.S. Rectang. 09447	Painted S.S. Round 07536	Polished S.S. demi-circular 37214

GRAB RAILS

Polished S.S. 05557

NOZZLE SET

BASIC NL	Rectang. Plastic white	Round Plastic white
65489	11501	11500

NOZZLE SET

BASIC NL	Rectang. Plastic white	Round Plastic white
65489	11015	11016

NOZZLE SET

With hand grips built in to white plastic
11013

NOZZLE SET

Rectangular plastic white
11508

HOUSING

For Concrete pool	For prefabricated pool
S.S. Housing in S.S. 00243	S.S. Housing in S.S. 00243 + Accessories 00248

HOUSING

For Concrete pool	For prefabricated pool
S.S. Housing in plastic 11502	Housing 11502 + Accessories 11503

HOUSING

For Concrete pool	For prefabricated pool
S.S. Housing in S.S. 05555	S.S. Housing 05555 + Accessories 05558

PUMPS

230 V II 1.5 Kw (2 HP)	11505
230 V II 2.2 Kw (3 HP)	25415
230/400 V III 2.60 Kw (3.5 HP)	11504

230 V II 1.5 Kw (2 HP)	28566
230 V II 2.2 Kw (3 HP)	28568
230/400 V III 2.2 Kw (3 HP)	30774

230/400 V III 3.3 Kw (4.5 HP)	11509
230/400 V III 4 Kw (5.5 HP)	65549

PUMPS

230/400 V III 3.3 Kw (4.5 HP)	11509
230/400 V III 4 Kw (5.5 HP)	65549

CONTROL BOXES

230 V II 1.5 Kw (2 HP)	11507
230 V II 2.2 Kw (3 HP)	25456
400 V III 2.2 Kw (3 HP)	32151
230/400 V III 2.6 Kw (3.5 HP)	11506
400 V III 3.3 Kw (4.5 HP)	11510
400 V III 4 Kw (5.5 HP)	65536

CONTROL BOXES

400 V III 3.3 Kw (4.5 HP)	11510
400 V III 4 Kw (5.5 HP)	65536

COUNTERCURRENT SWIMMING EQUIPMENT

Basic NL countercurrent nozzle set

Countercurrent nozzle set in a new design with polished AIISI-316 stainless steel front cover, interchangeable with nozzle sets 11499 and 11014, multi-directional water-air return nozzle, and suction capacity 60 m³/h, and on-off push button. Optional hand grip (code 65535).

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Basic NL nozzle set. for both stainless steel and plastic housing.	**65489**	1	-	-

Basic ND countercurrent kit

Countercurrent kit made up of:
- Return inlet (air-water) made of AISI-316 stainless steel.
- Illuminated ON-OFF piezoelectric push button made of AISI-316 stainless steel.
- Suction grille with a capacity of 60 m³/h made of polished AISI-316 stainless steel.
- 5.5 HP pump.
- Flow rate of 50 m³/h.
- Power control cabinet.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Basic ND unit for concrete pools	**65498**	1	-	-
Basic ND unit for liner pools	**66044**	1	-	-

Advance ND countercurrent kit

Countercurrent kit made up of:
- Return inlet (air-water) made of polished AISI-316 stainless steel.
- Illuminated ON-OFF and +/- piezoelectric push button made of AISI-316 stainless steel.
- Suction grille with a capacity of 60 m³/h made of polished AISI-316 stainless steel.
- 5.5 HP pump.
- Flow rate adjustable from 23 m³/h to 50 m³/h thanks to a variable-speed drive.
- Power control cabinet.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Advance ND unit for concrete pools	**65497**	1	-	-
Advance ND unit for liner pools	**66043**	1	-	-

Nozzle assemblies with round front plate in white plastic

Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.
Components in AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
For stainless steel housing	**11500**	1	5.0	0.045
For plastic housing	**11016**	1	4.4	0.056

Nozzle assemblies with rectangular front plate in white plastic

Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.
Components in AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
For stainless steel housing	**11501**	1	5.0	0.045
For plastic housing	**11015**	1	3.9	0.039

For all products on this page

Complies with Standard **EN 13451-1-3**

Complies with standards **EN 16582-1** **EN 16713-2**

COUNTERCURRENT SWIMMING EQUIPMENT

Nozzle assemblies with rectangular front plate in white plastic and built-in hand grip

Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
For plastic housing	**11013**	1	4.2	0.039

Front suction countercurrent unit hand grip

Handrail made of AISI-316 stainless steel for assembly with new Basic NL nozzle set (code 65489).

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
65535	1	-	-

Rectangular hand grips in painted AISI-316 S.S.

Specially designed for 11015 & 11501 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
09447	1	1.4	0.013

Rectangular hand grips in polished AISI-316 S.S.

Specially designed for 11014 and 11499 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
00246	1	1.48	0.01

Round Hand grips in painted AISI-316 S.S.

Specially designed for 11016 & 11500 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
07536	1	1.6	0.02

Semi circular grab rail in polished AISI-316 S.S.

AISI-316 polished stainless steel. Specially indicated for Marlin counter current swimming kit models; Marlin 30 II, Marlin 30 III and Marlin 45 III, although it may be mounted on any of the inlet sets, except for model 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
37214	1	1.62	0.018

For all products on this page

Complies with Standard **EN 13451-1-3**

Complies with standards **EN 16582-1** **EN 16713-2**

COUNTERCURRENT SWIMMING EQUIPMENT

S.S. housing

In stainless steel AISI-316. 240 mm in depth. Suitable for both, concrete and prefabricated pools. Supplied with sealing elements and 3 m cable conduit.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
00243	1	7.79	0.04

Acccessory for fitting in liner and fibreglass pools

In AISI-316 stainless steel, with seals and screws.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
00248	1	0.85	0.002

S.S. housing

Made in unalterable plastic. Supplied with sealing elements and two conduits of 3 m each.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
11502	1	5.0	0.036

Acccessory for fitting in liner and fibreglass pools

In plastic, with seals and screws.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
11503	1	0.6	0.003

Massage hose

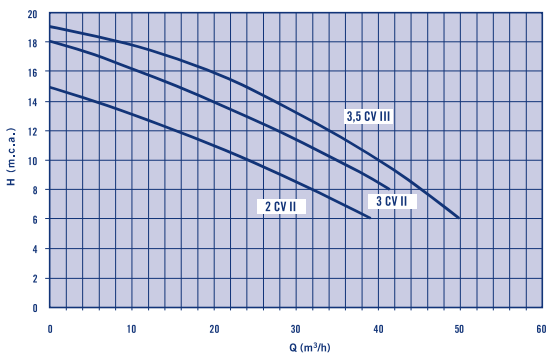
To be fitted on to the discharge nozzle. Length: 1.5 m.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
00247	1	1.22	0.01

Pumps

Made of plastic. Double insulation motor shaft. IP-54 motor protection rating.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
1.5 kW (2 cv) Single-phase 230 V 50 Hz	**11505**	1	27	0.098
2.2 kW (2 cv) Single-phase 230 V 50 Hz	**25415**	1	29	0.098
2.60 kW (2 cv) Three-phase 230 V 50 Hz	**11504**	1	30.5	0.098

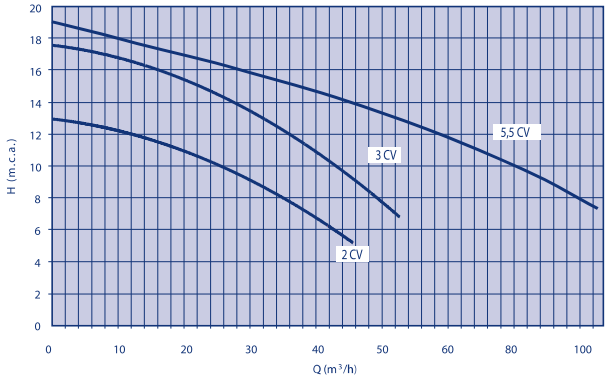


COUNTERCURRENT SWIMMING EQUIPMENT

CCIV vertical drive pumps

Specially designed for countecurrent equipment with high performance output with larger diameter of discharge and suction. It is important not to add any special features to the installation as they may limit the performance significantly. All the pumps metal components in contact with water are manufactured in AISI-316 stainless steel, highly resistant to corrosion.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Power 1.5 Kw 2 HP Monoph., 230 V 50 Hz	**28566**	1	21.0	0.095
Power 2.2 Kw 3 HP Monoph., 230 V 50 Hz	**28568**	1	22.6	0.095
Power 2.2 kW 3 cv Three-ph. 230/240 V 50 Hz	**30774**	1	22.5	0.095
Power 4 kW 5 cv Three-ph. 230/240 V 50 Hz	**65549**	1	-	-



Control boxes

Electro-pneumatic box. Pumps are operated through the nozzle faceplace buttons.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
For 230 V II 1.5 kW (2 HP) pumps	**11507**	1	1.2	0.004
For 230 V II 2.2 kW (3 HP) pumps	**25456**	1	1.2	0.004
For 400 V III 2.2 Kw (3 HP) pumps	**32151**	1	1.2	0.004
For 230/400 V III 2.6 kW (3.5 HP) pumps	**11506**	1	1.2	0.004
For 400 V III 4 kW (5.5 HP) pumps	**65536**	1	-	-

Nozzle assemblies with rectangular front plate in white plastic

Composed of: Faceplate, nozzle, ON/OFF switch and air regulation knob. Components in AISI-316 stainless steel.

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
11508	1	7.0	0.065

Complies with Standard **EN 13451-1-3**

Complies with standards **EN 16582-1** **EN 16713-2**

Grab rails

In AISI-316 stainless steel. (2 units).

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
05557	1	1.9	0.01

Complies with Standard **EN 13451-1-3**

Complies with standards **EN 16582-1** **EN 16713-2**

COUNTERCURRENT SWIMMING EQUIPMENT

Twin housing

In stainless steel AISI-316. 240 mm in depth. Suitable for both, concrete and prefabricated pools. Supplied with sealing elements and 3 m cable conduit.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
	05555	1	11.4	0.06

Accessory for mounting in prefabricated and liner pools

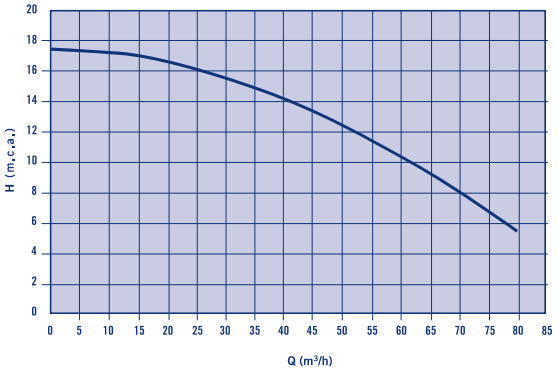
In AISI-316 stainless steel. With gaskets and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
	05558	1	1.35	0.01

Pump

Made of plastic. Double insulation motor shaft. IP-54 motor protection rating.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
3.3 kW power (4.5 HP) Three-phase 230/400 V 50 Hz	**11509**	1	32.5	0.098



Control boxes

Electro-pneumatic box. Pumps are operated through the nozzle faceplace buttons.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
For 400 V III 3.3 Kw (4.5 HP) pumps	**11510**	1	1.2	0.004

Complies with Standard **EN 13451-1-3**

Complies with standards **EN 16582-1** **EN 16713-2**

COUNTERCURRENT SWIMMING EQUIPMENT

Marlin XS countercurrent swimming equipment

New set nozzle Mini Eco counter current unit. Highly competitive in its hydraulic performance. It can be installed in both concrete and prefabricated pools. Manufactured in white plastic. Consists of a front panel nozzle set, stop/start push buttonand housing. Supplied with installation kit. Does not iclude pump or control box.

	Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
Marlin XS	**45618**	1	1.553	0.015

Marlin: inexpensive countercurrent swimming unit. The innovative design and concept supplied as a kit (including face plate, housing, control box and pump) makes it a feature that will add significant value to your pool. A highly competitive product thanks to its high performance hydraulic features, the Marlin countercurrent system is available in 3 models: the Marlin 30 II, the Marlin 30 III and the Marlin 45 III. Grab rails and hydromassage hose may be added as optional features.

Marlin 30 II (single-phase)

Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 230 V II 50 Hz.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
35375	1	37.4	0.260

Marlin 30 III (three-phase)

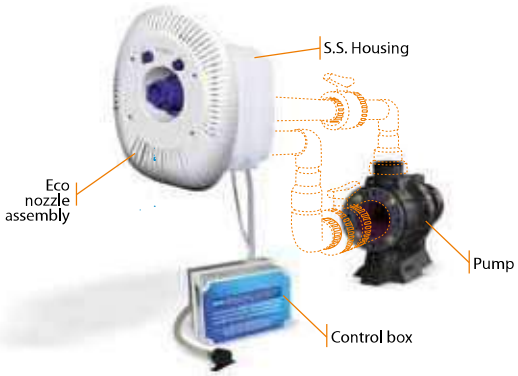
Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 400 V III 50 Hz.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
35376	1	37.4	0.260

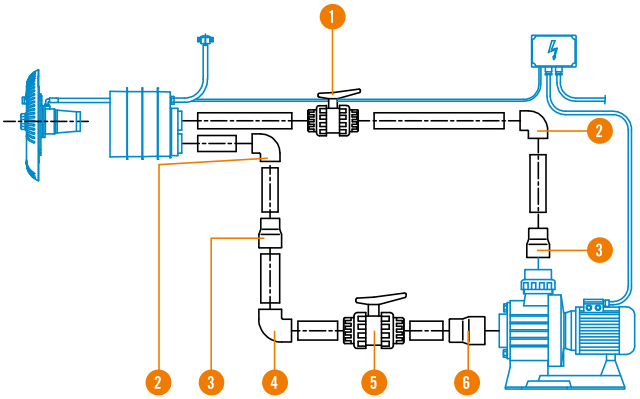
Marlin 45 III (three-phase)

Consists of: Nozzle faceplate, plastic housing, control box and pump 3.3 kW (4.5 HP) 400 V III 50 Hz.

Code	Pack. Standard	Weight kg Standard	Volume in m^3 Standard
35377	1	42.2	0.260



Part 11503 required for liner pools.



Accessories (not included in the kit)

Position	Quantity	Denomination	Code
1	1	PVC Ball valve Ø63 mm	**02458**
2	2	PVC elbow 90° Ø63 mm	**01717**
3	2	Conical reduction Ø90-75x63 mm	**01993**
4	1	PVC elbow 90° Ø75 mm	**01718**
5	1	PVC Ball valve Ø75 mm	**02459**
6	1	Conical reduction Ø110-90x75 mm	**01997**
-	-	PVC pipe Ø 63 mm PN-6	**02692**
-	-	PVC pipe Ø75 mm PN-6	**02693**

BLOWER PUMPS

Air pump

Air pump designed for spas, baths, hydromassage installations and similar facilities. It produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required.

The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and it does not cause wear on the parts.

The turbines have a maximum working temperature of 40ºC. Do not use in conjunction with aggressive, inflammable or explosive gases.

Model	Code	Frequency (Hz)	Voltage (V)	Phase	Flow (m^3/h)	Max. Pressure (mbar)	Standard Weight kg	Standard Volume m^3
Blower 0.4 kW	**33970**	50	Δ 200-240 Y 345-415	3	80	130	10	0.045
Blower 0.5 kW		60	Δ 220-275 Y 380-480	3	98	170		
Blower 0.85 kW	**35388**	50	200-240	1	145	160	17	0.059
Blower 0.95 kW		60	200-240	1	175	160		
Blower 0.85 kW	**35387**	50	Δ 200-240 Y 345-415	3	145	160	16	0.045
Blower 0.95 kW		60	Δ 220-275 Y 380-480	3	175	160		
Blower 1.3 kW	**31090**	50	200-240	1	210	170	23	0.059
Blower 1.5 kW		60	200-240	1	255	140		
Blower 1.3 kW	**31091**	50	Δ 200-240 Y 345-415	3	210	170	22	0.059
Blower 1.5 kW		60	Δ 220-275 Y 380-480	3	255	140		
Blower 1.5 kW	**33971**	50	200-240	1	210	220	24	0.064
Blower 1.75 kW		60	200-240	1	255	220		
Blower 1.6 kW	**31092**	50	Δ 200-240 Y 345-415	3	210	220	23	0.064
Blower 2.1 kW		60	Δ 220-275 Y 380-480	3	255	220		
Blower 1.6 kW 2V	**35389**	50	Δ 200-240 Y 345-415	3	150	300	25	0.087
Blower 2.06 kW 2V		60	Δ 220-275 Y 380-480	3	180	310		
Blower 2.2 kW	**31093**	50	Δ 200-240 Y 345-415	3	318	230	30	0.097
Blower 2.55 kW		60	Δ 220-275 Y 380-480	3	376	220		
Blower 3.0 kW 2V	**31094**	50	Δ 200-240 Y 345-415	3	230	410	40	0.126
Blower 3.45 kW 2V		60	Δ 220-275 Y 380-480	3	275	400		
Blower 3.0 kW	**31095**	50	Δ 200-240 Y 345-415	3	318	280	36	0.097
Blower 3.45 kW		60	Δ 220-275 Y 380-480	3	376	280		
Blower 4.3 kW 2V	**31096**	50	Δ 345-415 Y 600-720	3	520	600	54	0.217
Blower 4.8 kW 2V		60	Δ 380-480 Y 660-720	3	385	320		
Blower 5.5 kW	**31097**	50	Δ 345-415 Y 600-720	3	530	320	63	0.16
Blower 6.3 kW		60	Δ 380-480 Y 660-720	3	620	340		
Blower 5.5 kW 2V	**33972**	50	Δ 345-415 Y 600-720	3	320	515	66	0.201
Blower 6.3 kW 2V		60	Δ 380-480 Y 660-720	3	385	530		
Blower 7.5 kW	**31098**	50	Δ 345-415 Y 600-720	3	530	400	66	0.16
Blower 8.6 kW		60	Δ 380-480 Y 660-720	3	620	400		
Blower 11 kW 2V	**33973**	50	Δ 345-415 Y 600-720	3	520	600	104	0.353
Blower 12.6 kW 2V		60	Δ 380-480 Y 660-720	3	620	600		
Blower 12.5 kW	**33974**	50	Δ 345-415 Y 600-720	3	1050	270	116	0.353
Blower 14.5 kW		60	Δ 380-480 Y 660-720	3	1250	260		