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ZODIAC® AND YOU

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FLUIDRA

THE PERFECT POOL EXPERIENCE

Founded in 1969, Fluidra is a leader in the global pool & wellness industry with a long-standing experience in developing innovative products and services in the residential and commercial pool market. We offer our customers an expansive array of products across the most trusted brands with a strong geographical footprint in over 45 countries. Thanks to this multicultural background, Fluidra is able to fully understand the requirements of its customers and adapt to them.

We have over 6,000 employees and the necessary resources to accelerate innovation in critical areas like energy-efficiency, robotics and the Internet of Things.

One of the latest highlights is that we have developed our 2020-2026 ESG Plan "Responsibility Blueprint" with the aim of integrating sustainability into business management. We are convinced that a company with high ESG standards is a more economically sustainable company and one that is more highly valued by its customers, employees and shareholders.

We have made small but significant changes to our Mission to reflect our new ESG initiative: "To create the perfect pool and wellness experience responsibly". Furthermore, we're also taking the opportunity to introduce a new company Vision – bearing in mind that the Mission describes the "what"—that is, what we wake up to do every day, while the Vision describes the "why"—that is, why do we do it, our motivating reason or purpose.

MISSION

To create the perfect pool 8 wellness experience responsibly

VISION

To enhance lives through innovative and sustainable solutions that transform the way people enjoy water for recreation and health



PASSION FOR SUCCESS

We are committed, accountable and consistent



HONESTY & TRUST

We are fair, transparent and accessible



CUSTOMER COLLABORATION

We add value for our users and customers



EXCELLENCE & INNOVATION

We continuously improve and aim responsibly to be the best



LEARN & ADAPT

We are open minded, flexible and positive



TEAMWORK & INCLUSION

We are humble and consider all perspectives

www.fluidra.com









KEY FIGURES



Employees



Countries



Sales branches



Production centers

INTEGRATED BUSINESS MODEL



Excellence in innovation with +200 engineers and some 1,400 patents

R+D+i



Production
+35 flexible multitechnology plants in
key countries



LogisticsLogistics operators
to ensure fast and
reliable deliveries

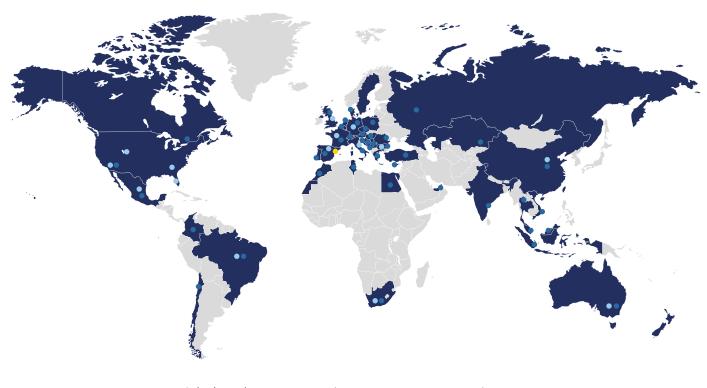


Distribution
+135 points of sale,
giving support and
training to the
professional clients
in over 45 countries



Engineering
Design and
engineering of
water projects

A GLOBAL POWERHOUSE



Sales branches

Production centres

Headquarters



2022 INNOVATION

Robotic Cleaner - Voyager ™





RE 4300



> OPTIMAL CLEANING PERFORMANCE

Its patented cyclonic suction is powerful and long-lasting. Its helix shaped brushes and dual stage progressive filtration collect all debris more efficiently, even the smallest ones.

With VOYAGER™, your pool will be perfectly clean all year round.



> INTEGRATED AGILITY

With its embedded smart sensors and its unique design, VOYAGER™ offers excellent pool coverage and agility. Thus, it is ideal for all pool shapes and surfaces.



> EASE OF USE

Its backlit top access filter, and its transparent window offers real daily ease of use.





eXPERT

Versatile salt water treatment





EASE OF USE

With a large touchscreen and oversized fonts, eXPERT makes it easy to set up and adjust. Check your pool's status at-a-glance with the user-friendly information display.

MAXIMUM VERSATILITY

Available in a wide range of options to treat pool volumes up to 180 m³, eXPERT guarantees long-lasting water treatment thanks to its sturdy cell.

AUTONOMOUS WATER QUALITY

eXPERT provides full water treatment features with water balance management (pH regulation) and automatic regulation of chlorination (ORP regulation)*.

* Depending on the model.





NN COMPTABILITY

eXPERT can be remotely controlled using the NN app if it is wired to a Fluidra Connect & Go pool automation system.



> PICTOGRAMS

Finding your way around the catalogue





Can be installed in a technical room



Easy to remove from the water using the Lift System that expels a powerful jet of water contained in the cleaner.



Professional advice and/or installation recommended*



Contains a titanium element



Prevents cable tangling



Product specific for natural pools ("bio pools")



Control unit available for Hygro Control



Easy access to the filter with Push'n'Go $^{\text{TM}}$



Low salt technology chlorinator



Whatever the problem, the equipment is repaired or exchanged during the guarantee period



Product fitted with cyclone suction technology.



4-Wheel Drive Cleaner



Additional options can be added to the equipment



NF-certified guarantees quality and safety of certified products and



Pool cover contact to adapt disinfection when pool is closed



Easy installation of equipment



Option allowing the heat pump to cool the water in the pool



Heat function only



Easy installation and no need to alter piping



Product that could be wired to a connected control device to be remotely managed using iAquaLink™ app



Minimum Air temperature required for optimal performance



Compatible with the MagnaPool™ system



Product with buitl-in connectivity that can be remotely managed using iAquaLink™ app



Water temperature reading



Compatible whit all surfaces



Product with low electricity consumption



Compatible with all type of spas



Compatible with above-ground



All-in-one control: product embedding both water treatment and pool equipment management



Product with very silent operation



Compatible with all types of pools



Optimization of movements and cleaning time depending on the configuration of the pool

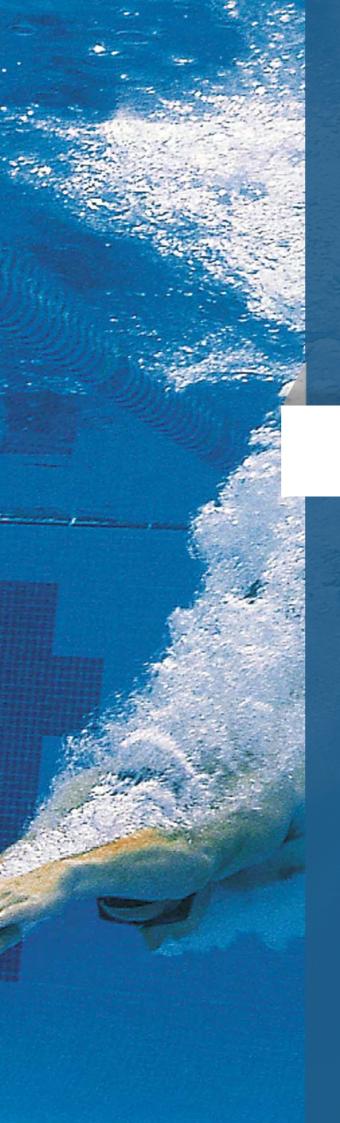


Easy and quick-fix chlorinator cell



Heatpump with Full Inverter technology

* Product recommended for sale in physical stores due to the product's specialized and complex nature and/or its installation.



FILTRATION



FILTERS

- CS

P.10

p.11

- MS

p.13

Crystal Clear

p.15



FILTERS

A COMPLETE FILTRATION RANGE

> A FILTER FOR EVERY POOL

Central component of the filtration system, the filter contains a filtration medium (that may be sand, glass, cartridge or another material, depending on the filter type). So, debris and impurities are trapped in the filter tank.

An efficient filtration system is **essential for the effectiveness of water treatment.**

Zodiac® offers 2 filter ranges to best meet varying user needs:

> CS CARTRIDGE FILTERS

- + very compact filters that can be installed in confined technical rooms
- + ultra-fine filtration up to 15-20 µm for translucent water
- + saves water during maintenance (no backwash)
- + no need to connect to the drain











> MS MEDIA FILTERS

- + long-lasting glass-fibre reinforced polyester filters
- + designed to work with sand and filtration glass (Crystal Clear)
- + easy maintenance























- + Ultra fine filtering
- + easy maintenance and water savings
- + Adapted to any pool pad

ACCESSORIES INCLUDED IN THE PACK				
	33			
15-20 µm filtering cartridge	63/50mm union tailpieces	63/50mm union tailpieces	Pressure gauge	Air relief

OPTIONAL ACCESSORIES	ASSOCIATED PRODUCTS	
VersaPlumb® Kit	Cartridge CS 100	Cartridge CS 150
WF000026	R0462201	R0462301

PRODUCT REFERENCES		
Model	CS 100	CS 150
Standard Model	WF000024	WF000025

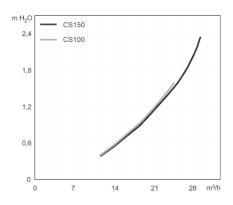
DESCRIPTION		
Model	CS 100	CS 150
Tank material	Fiber glass reinforced polypropylene	
Pressure gauge position	Onto the top cover	
Connections	63/50mm union tailpieces	
Drain	63mm, 63/50mm plumbing kit provided	

TECHNICAL SPECIFICATIONS		
Model	CS 100	CS 150
Filtration capacity m³ (6 h/day)	130	170
Max flow rate (m³/h)	22.7	28.4
Filtering area (m²)	9.3	14
Cartridge layers number	143	215
Filtration speed (m ³ /h/m ²)	2.4	2.1
Filtration speed at 1 m/s	0.64 m ³ /h/m ²	
Working pressure (bar or kg/cm²)	0.2 - 0.8 (variable speed pump); 0.4 - 1.2 (single speed pump)	
Maximum pressure (bar or kg/cm²)	3.5	

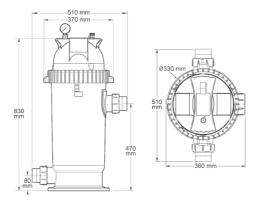


PERFORMANCE

- CS filter head losses expressed in meters of water: 1 m $H_2O = 0.1$ bar

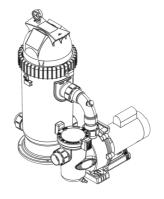


DIMENSIONS AND WEIGHT		
Model	CS 100	CS 150
Weight (filter + cartridge)	14 kg	13 kg
Footprint (filter foot diameter)	33 cm	
Overall height (with pressure gauge)	92 cm	
Needed clearance (to replace cartridge)	44 cm above the filter	



INSTALLATION

- Optional Versa Plumb® kit allows a quick, compact and efficient connection between CS filter and any Zodiac FloPro $^{\text{TM}}$ pump.
- The Versa Plumb® sweep elbow is equipped with a 1/2" thread to install an earthing anode for example (see earthing anode kit in Water Treatment pages part R0673800).



















FILTERS

MS



- + Easy to install
- + Efficient filtration
- + Easy maintenance









"Classic" multiport valve kit

Pressure gauge & air relief kit

Bolts kit

Media filling cap

ASSOCIATED PRODUCTS	
Crystal Clear 0,7/1,3 mm - Glass media	Crystal Clear 1,0/3,0 mm - Glass media
WF000063	WF000064

PRODUCT REFERENCES					
Model	MS 470	MS 530	MS 650	MS 800	MS 950
Standard Model	WF000094	WF000095	WF000096	WF000097	WF000098

DESCRIPTION									
Model	MS 470	MS 530	MS 650	MS 800	MS 950				
Tank material		Fiberglass reinforced polyester							
Multiport valve	6-way side mount valve (filtration, backwash, rinse, drain, circulation, closed)								
Pressure gauge position		Onto the top cover using a T-shape adaptor threaded into the lid							
Connections	All co	All connections are threaded for an easy maintenance (multiport valve & piping)							
Drain		3/8" (water) / 2 ½" (filter media, except for MS 470)							

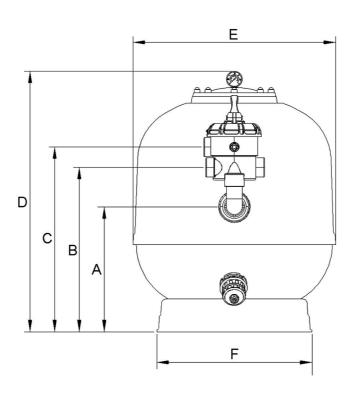
TECHNICAL SPECIFICATIONS					
Model	MS 470	MS 530	MS 650	MS 800	MS 950
Tank diameter (mm)	475	532	645	798	950
Max flow rate (m³/h)*	8	10	16	23.5	33
Filtering area (m²)	0.16	0.2	0.32	0.47	0.66
Filtration capacity m ³ (6h/day)	48	60	96	140	200
Diameter of threaded connections		1 ½"		2'	ı
Working pressure (bar or kg/cm²)		0.2 - 0.8 (variable s	peed pump); 0.4 - 1.4 (s	ingle speed pump)	
Maximum pressure (bar or kg/cm²)			2.5		
Total weight of Crystal Clear	75	90	135	270	420
Nbr of bags - Crystal Clear 1.0/3.0 mm		1	2	3	
Nbr of bags - Crystal Clear 0.7/1.3 mm	4	5	8	16	25
Total weight of sand	85	100	160	305	460

^{*} : For a 50 $\mathrm{m}^3/\mathrm{h}/\mathrm{m}^2$ filtration speed



DIMENSION	IS AND WEIGHT					
	Model	MS 470	MS 530	MS 650	MS 800	MS 950
Clearance bel	ow valve*	310	320	375	390	420
A (mm)		340	350	405	430	460
B (mm)		465	475	530	660	690
C (mm)		529	539	594	736	766
D (mm)		705	745	815	984	1027
E external (mm)		475	532	645	798	950
E internal (mn	1)	450	510	635	770	920
F (mm)		347	400	490	625	705
	Height spacing	64	64	64	76	76
Valve connections	Width spacing	74	74	74	79	79
	Threaded ports	11/2"	11/2"	1½"	2"	2"
Complete filte	r net weight (kg)	15 kg	18 kg	21 kg	36 kg	58 kg

^{*:} Clearance below multiport valve elbow pipe to show clearance for pump installation







FILTERING MEDIA

Crystal Clear





+ Long lasting: lasts 3 times longer than sand

+ Eco-friendly: up to 75% water savings









ASSOCIATED PRODUCTS		
MS filter	Hydroxinator® iQ	Hydroxinator®
WF000094/95/96/97/98	WW000172/173/174/175	(old model)





PRODUCT REFERENCES							
Model	Crystal Clear 0,7/1,3 mm	Crystal Clear 1,0/3,0 mm					
Standard Model	WF000063	WF000064					

DESCRIPTION						
Model	Crystal Clear 0,7/1,3 mm	Crystal Clear 1,0/3,0 mm				
Contents	Filtering medium made o	f 100% pure glass crystals				
Form	Transl	ucent				
Dosage	1,0/3,0mm : sufficient to	Total weight in the filter: 10% less than the equivalent in sand 1,0/3,0mm: sufficient to cover the filter laterals 0,7/1,3 mm: in addtion, to make up the total weight				
Filtration efficiency	77,9% turbidi	ty reduction*				
Bag dimensions (I x h)	45 x 6	65 cm				
Bag net weight	15 kg (= shipping unit, sku	s can be mixed on a pallet)				

^{*} Turbidity reduction test carried in a lab with Crystal Clear fine, under EN 16713-1 standard (test §7.2.4). Regulatory requirement is 50% min.







PUMPS



PUMPS

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 FloProTM e3 p.24
 FloProTM VS p.26

• iQPUMP p.28

P.18



PUMPS

A COMPLETE RANGE TO SUIT EVERY NEED

> VARIABLE SPEED, THE NEW ECO-SILENT STANDARD

The variable speed pump can operate for a longer daily duration at a lower speed, while offering 4 essential advantages:

Zodiac® variable-speed pumps emit up to 24 dB(A)* less than a single-speed pump, which is equivalent to the noise level in a

Did you know?

A reduction of 3 dB(A) represents a noise that is perceived to be twice as quiet to the human ear.

2) ENERGY SAVINGS

Thanks to their TEFC** permanent magnet synchronous motors using ECM*** technology, Zodiac® variable-speed pumps help reduce electric consumption by up to 90%. So, in comparison with a single-speed pump, it pays for itself in just a few seasons.

Did you know?

Make sales easier using our online energy saving calculator to show your clients the savings they could make.









3) OPTIMISED WATER TREATMENT

Operating at a slower speed and with the flexibility to adapt to all pools, the speed at which the water passes through the filter is reduced and filtration is greatly improved. This also reduces the chances of the filter clogging.

The combined use of a variable-speed pump and a cartridge filter gives you an eco-friendly system that consumes less water (no backwash).



EAquaLink

With the new iQPUMP Wi-Fi connecting device, it's now possible to remotely manage FloPro™ VS pump thanks to the iAquaLink™ app.

Did you know?

Benefit from an intuitive user interface to control your filtration system thanks to iAquaLink™ app. Manage the pump and program up to 10 timers without being on site.







^{*} Compared to a standard filtration pump emitting at least 66 dB(A). Values expressed in A-weighted acoustic power level according to ISO standard 3741.
** TEFC = Totally-Enclosed Fan-Cooled

^{***} ECM = Electronically Commutated Motor (= electronically controlled "brushless" motor)



DESIGNED TO ATTRACT YOUR CLIENTS

Our pumps range has been created based on the needs expressed by a panel of consumers*. So, this new range and its specific advantages will be sure to win your customers over.

> STRONG GUARANTEES

86%* of consumers are looking for reliable, long-lasting products

• 3-year warranty all parts, including wear parts (pre-filter basket, joints, etc.).



> EASY MAINTENANCE

75% of consumers favour the ease of maintenance

• All our pumps come fitted with a very large pre-filter basket (2.6 L) for easy maintenance, meaning you can wait longer between cleyears.



> ENERGY SAVINGS

66% of consumers want to take control of their energy consumption

- Our variable-speed pumps are incomparably energy-efficient.
- Our single-speed pumps are high-performance, which means you can use less powerful models (depending on the instalation).











EASY TO INSTALL

Our filtration range has been well thought-out to make your everyday life easier: simple, quick to install and easy to maintain.

> PUMPS THAT ARE EASY TO INSTALL, EVEN WHEN REPLACING

All Zodiac® filtration pumps are available from a unique FloPro™ platform that guarantees the same installation, replacement and maintenance advantages, for all models in our filtration range.

Strengths:

- Suction and discharge with **double thread** (external and 2" internal),
- 2 Exclusive 63/50 mm union connectors,
- 3 Bases to elevate the pump

(included with FloPro™ VS, optional for other models)



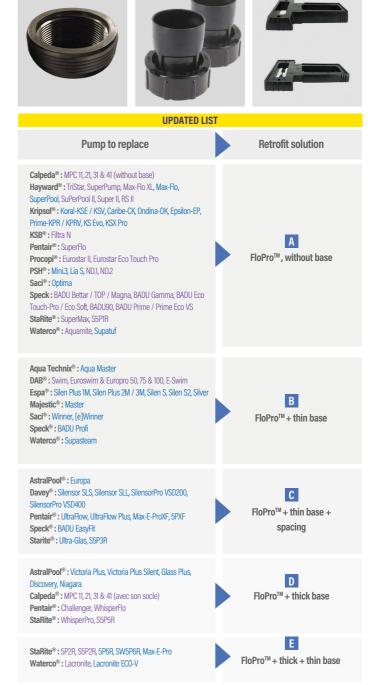
- Easy Retrofit:

Pumps can be installed without changing the piping and can be easily fitted into the majority of existing installations, thanks to the bases.

- Easy Retrofit system is valuable for both single speed and variable speed versions of a same pump model.
- Replacement compatibility based on data published by manufacturers. A tolerance of +/- 10 mm is acceptable if [intake pipe length] = 4x[pipe diameter], according to applicable hydraulics standards.

Pump models written in purple are Easy Retrofit compatible for both inlet and outlet.

Pump models written in blue are Easy Retrofit compatible for inlet only (slight outlet pipe modification needed).





PUMPS

> SINGLE-SPEED PUMPS, LONG-LASTING AND EFFICIENT FOR ALL POOLS

FloPro™ pumps are designed with corrosion-resistant materials. The body of the pump is made of very thick polypropylene, which makes it long-lasting and silent.

Equipped with highly energy-efficient asynchronous motors, the range is available in 9 models (from 0.5 to 2.0 HP, available in mono- or tri-phase, except for the 0.5 HP model) to meet the needs of most pools.

The FloPro™ platform is compatible with most equivalent pumps on the market with no restrictions and no need to alter piping, thanks to the "Easy Retrofit" system.









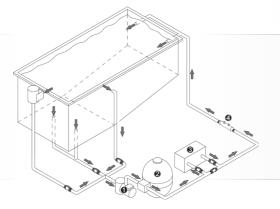






3 Heating system













COMPARATIVE

COMPARATIVE TABLE OF	FloPro™ VS	FloPro™ VS AUT	FloPro™ e3	FloPro™
THE RANGE		oeed pump, nergy efficiency	Variable-speed pump, simple and energy-efficient	Single-speed pumps, long-lasting and efficient for all pools
Warranty	3 years	3 years	3 years	3 years
"Easy retrofit" installation	•	•	•	•
Pump bases for Easy Retrofit	•	•	Option	Option
High capacity pre-filter	•	•	•	•
Number of speeds	8	10	3	1
Pump speed	600-34	50 RPM	1000-2850 RPM	2850 RPM
Number of models	1	1	1	9
Power (P2)	1,65	CV	1,0 CV	0,5 à 2,0 CV
Max. pool volume	100	m^3	80 m ³	150 m ³
Optimum efficiency	30-8	0 m ³	15-60 m ³	N/A
Removable user interface	•			N/A
Dry contacts control	•			N/A
Compatible with Zodiac® automation	•	•		
Compatible with iQPUMP (smartphone control)	•	•		











- + Built to last
- + High efficiency
- + Silent

ACCESSORIES INCLUDED IN THE PACK















OPTIONAL ACCESSOR	RIES	ASSOCIATED PRODUCTS			
Thin pump base	Large pump base	CS Cartridge Filter	MS Filter		
R0486701	R0546401	WF000024/25	WF000094/95/96/97 & 98		

PRODUCT REFERENCES									
FloPro™	50M	75M	75T	100M	100T	150M	150T	200M	200T
Standard Model	WP000147	WP000148	WP000149	WP000150	WP000151	WP000152	WP000153	WP000154	WP000155

DESCRIPTION											
FloPro™	50M	75M	75T	100M	100T	150M	150T	200M	200T		
Operating mode(s)		Controlled by the filtration timer									
Nominal speed		2850 RPM									
Safety features		Automatic shut down in case of high amperage / overheat situation									
Filter basket volume		2.6 L									
Compatible pipework	DI	DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided)									
Use			Fresh	water and sa	alt water up t	o 6 g/L (600	0 ppm)				

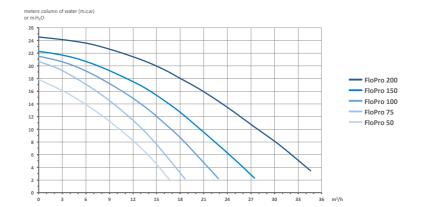
FloPro™	50M	75M	75T	100M	100T	150M	150T	200M	200T
Pump type				Self-p	riming water	pump			
Motor type			Asyı	nchronous m	notor, TEFC*,	class F insul	ation		
Efficiency				> 80 %	(as per IE3 st	andard)			
Output power HP (P2)	0.5	0	0.75 1 1.5 2				2		
Output power Kw (P2)	0.37	0.	0.55 0.75 1		1	1.5			
Max amperage (A)	3.	5	1.2	4.2	1.6	6	3.2	7.6	3.5
Power supply 50 HZ	Single	phase	3-phase	Single phase	3-phase	Single phase	3-phase	Single phase	3-phase
Flow rate at 10m head (m³/h)	10.3 m ³ /h	13.2	m³/h	15.8 m³/h		20.8 m ³ /h		27 m ³ /h	
Maximum flow rate (m³/h)	16.8 m ³ /h	18.6 m³/h		22.9 m³/h		27.4 m³/h		35.5m ³ /h	
Maximum manometric Head (m)	17.8 m	20	7 m	21.	5 m	22.	3 m	24.	.5 m
Maximum water temperature	35 ℃								
Protection rating	IPX5								

^{*} TEFC = Totally Enclosed Fan Cooled

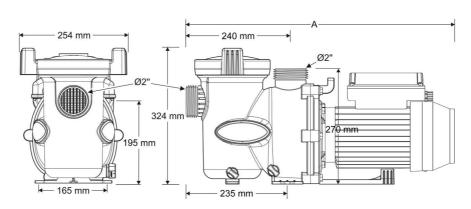


PERFORMANCE

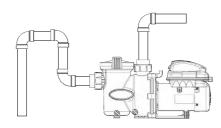
- Performance curves for FloPro[™] single speed pump range.
- Manometric pressure is expressed as "pump head" in meters of water:
 1 bar = 10.19 m.



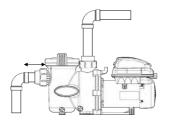
DIMENSIONS AND WEIGHT									
FloPro™	50M	75M	75T	100M	100T	150M	150T	200M	200T
Length (A)	58.3	3 cm	54.3 cm	58.3 cm	55.3 cm	58.3 cm	56.8 cm	58.3	3 cm
Height	32.4 cm (without pump base)								
Width	25.4 cm								
Weight	16 kg		17 kg		18 kg	19 kg	20 kg	21	kg



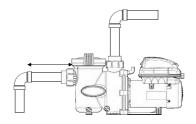
INSTALLATION



Incorrect : Air retention and risk of incorrect pre-filter filling.



Incorrect : Suction pipe too short, risk of cavitation.



Correct: Length of suction pipe = 4 x pipe diameter (20cm for 50mm and 25cm for 63mm)











- + Guaranteed energy savings
- + Ultra-silent
- + The variable speed essentials, for all pools up to 80m³















PRODUCT REFERENCES Model



63/50mm union tailpieces

OPTIONAL ACCESSOF	RIES	ASSOCIATED PRODUCTS		
Thin pump base	Large pump base	CS Cartridge Filter	MS Filter	
R0486701	R0546401	WF000024/25	WF000094/95/96/97 & 98	

FloPro™ e3 100

Standard Model	WP000156		
DESCRIPTION			
Model	FloPro™ e3 100		
User interface	1-line LCD screen (blue)		
Operating mode(s)	Controlled by the filtration timer		
Number of speeds	3 programmable speeds (+/- 50 RPM) Factory settings: ECO (1400 RPM), Clean (2150 RPM) & BOOST (2850 RPM)		
Priming	Automatic at startup (2 min at 2850 RPM)		
Safety features	Automatic shut down in case of high amperage / overheat situation		
Filter basket volume	2.6 L		
Compatible pipework	DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided)		
Use	Fresh water and salt water up to 6 g/L (6000 ppm)		

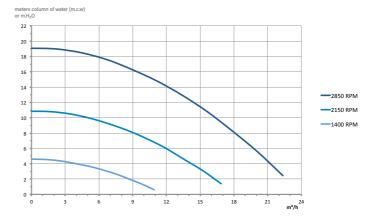
TECHNICAL SPECIFICATIONS		
Model	FloPro™ e3 100	
Pump type	Self-priming water pump	
Motor type	Synchronous motor (ECM* technology), TEFC**, class F insulation	
Efficiency	> 80 % (as per IE3 standard)	
Output power HP (P2)	1	
Output power Kw (P2)	0.75	
Flow rate at 10m head (m³/h)	16.3 m ³ /h (at 2850 RPM)	
Maximum flow rate (m³/h)	22.4 m³/h	
Maximum manometric Head (m)	19.1 m	
Maximum water temperature	35 ℃	
Speeds	1000 - 2850 RPM (adjsutable by 50 RPM increments)	
Protection rating	IPX5	
Power supply	220-240 VAC - 50 Hz	

^{*:} ECM = Electronically Commutated Motor **: Totally-Enclosed Fan-Cooled

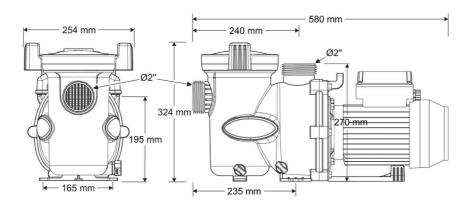


PERFORMANCE

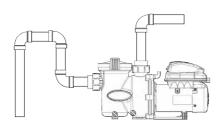
- Performance curves shown for example speeds (each speed has a unique curve).
- Manometric pressure is expressed as "pump head" in meters of water:
 1 bar = 10.19 m.



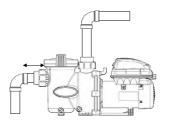
DIMENSIONS AND WEIGHT Model FloPro™ e3 100 Length 58 cm Height 32.4 cm (without pump base) Width 25.4 cm Weight 14 kg



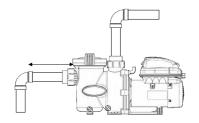
INSTALLATION



Incorrect: Air retention and risk of incorrect pre-filter filling.



Incorrect: Suction pipe too short, risk of cavitation.



Correct: Length of suction pipe = 4 x pipe diameter (20 cm for 50 mm and 25 cm for 63 mm).











- + Guaranteed energy savings and silence
- + Smart operation
- + Remote control







FloPro™ VS







Wall mounting kit (standard FloPro TM VS only)

Thin pump base

Large pump base

FloPro™ VS AUT

63/50mm union tailpieces













PRODUCT REFERENCES Model



ASSOCIATED PRODUCTS		
iQPUMP	CS Filter	MS Filter
WA000017	WF000024/25	WF000094/95/96/97 & 98

Standard Model	WP000003	WP000079		
DESCRIPTION				
Model	FloPro™ VS	FloPro™ VS AUT		
User interface	1-line LCD screen (blue)	/		
Languages	6 (FR-EN-ES	-DE-IT-NL)		
Operating mode(s)	Autonomous, connected to Zodiac® automation, external control by dry contacts	Connected to iQPUMP or Zodiac automation		
Clock / Timer	24h clock, timers (speeds 1 & 2), timeout mode (speeds 3 & 4)	Via iAquaLink™ app (up to 10 timers)		
Number of speeds	8 programmable and assignable speeds (+/- 10 RPM)	10 programmable speeds via iAquaLink [™] app		
Priming	Automatic at startup, adjustable	e priming speed and duration		
Safety features	Electronic freeze protection Automatic shut down in case of high or low tension			
Filter basket volume	2.6 L			
Compatible pipework	DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided)			
Use	Fresh water and salt water	up to 6 g/L (6000 ppm)		

Model	FloPro™ VS	FloPro™ VS AUT		
Pump type	Self-priming	Self-priming water pump		
Motor type	Permanent magnet synchronous motor (E	CM* technology), TEFC**, class F insulation		
Efficiency	> 80 % (as pe	r standard IE3)		
Output power HP (P2)	1.	65		
Output power Kw (P2)	1.23			
Flow rate at 10m head (m³/h)	24.1 m ³ /h (at 3450 RPM)			
Maximum flow rate (m³/h)	30.7 m³/h			
Maximum manometric Head (m)	21.5 m			
Maximum water temperature	35 ℃			
Speeds	600 - 3450 RPM (adjustal	ble by 10 RPM increments)		
Protection rating	IPX4			
Power supply	220-240 VAC - 50/60 Hz			
Connections for external controls	RS485 for connection to automation Zodiac or iQPU	MP, dry contact for external activation (speeds 1 to 4		

^{*:} ECM = Electronically Commutated Motor **: Totally-Enclosed Fan-Cooled



1 RANGE, 3 SOLUTIONS

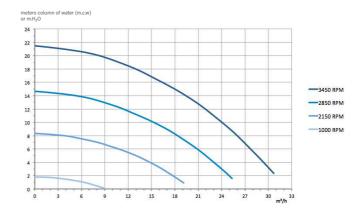




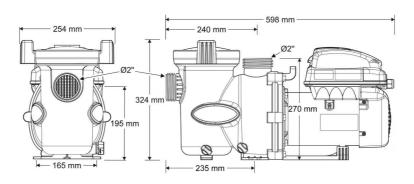


PERFORMANCE

- Performance curves shown for example speeds (each speed has a unique curve).
- Manometric pressure is expressed as "pump head" in meters of water:
 1 bar = 10.19 m.



DIMENSIONS AND WEIGHT			
Model	FloPro™ VS	FloPro™ VS AUT	
Length	59.8 cm		
Height	32.4 cm (without pump base)		
Width	25.4 cm		
Weight	17 kg		







PUMPS





- + Remote control anywhere, anytime
- + Easy configuration
- + Maximized energy efficiency



Wall mounting kit





PRODUCT REFERENCES		
Model	iQPUMP	
Standard Model	WA000017	

DESCRIPTION		
Model	iQPUMP	
User interface	Quick control interface via buttons and Leds	
Mobile user interfaces	Free iAquaLink™ app for Android™ and Apple® smartphones and tablets	
Operating mode(s)	Wi-Fi connection for remote access and control using iAquaLink™ app User interface onto Wi-Fi device for initial setup and on-site manual control.	
Compatible with	FloPro™ VS AUT (dedicated model) FloPro™ VS pump (all manufacturing years are compatible)	

TECHNICAL SPECIFICATIONS		
Model	iQPUMP	
Protection rating	IPX4	
Power supply	Connected to the pump FloPro™ VS (RS485 cable provided)	
Wi-Fi connectivity	Wi-Fi 802.11b/g/n/ac *	
Wi-Fi range	Up to 150 m **	
Length of RS485 cable	4.3 m	
Dimensions (I x h x w)	13.7 x 31.0 x 3.2 cm	

- *: A Wi-Fi band selection in router's settings menu may be needed depending on situation.
 **: Max range without obstacles (partitions, walls, ironwork...). Use of a Wi-Fi range extender or a powerline Wi-Fi hotspot may be required in some cases.









WATER TREATMENT EQUIPEMENT



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5 RANGES OF WATER TREATMENT PRODUCTS

Water is an unstable and continually changing element, particularly in a swimming pool. Physico-chemical treatment of the water is therefore necessary to make it healthy, clear, balanced, disinfected and antibacterial.

Zodiac® offers 5 product families to free swimming pool owners from the burdens of water treatment:

- Stand-alone pH regulators to provide the optimum pH whatever the type of disinfection used,
- Stand-alone ORP regulators to manage chlorine disinfection automatically,
- Easy-to-Install, long-lasting and upgradeable salt chlorinators (specific models with regulations, or optional add-ons regulation modules on certain models), offered in 3 different levels of range,
- Patented exclusive MagnaPool® solution for a complete magnesium-based chlorination, focused on water clarity, bathing comfort
 and the environment (see specific pages),
- Nature² mineral purifier for spas disinfection with less chlorine.

POSSIBLE COMBINATIONS OF THE DIFFERENT SYSTEMS







PH REGULATION SYSTEMS

For perfect water balance

Zodiac pH regulation systems incorporate proportional dosing technology to **maintain an ideal pH automatically** for the comfort of bathers. For optimal water balance, it includes a function to adjust injection cycles depending on the total alkalinity (TAC) of the water. **A choice of 3 settings is available:**

Low alkalinityTAC < 10 °f (100 ppm CaCO₃)

Standard alkalinity
Default setting

High alkalinity TAC > 15 °f (150 ppm CaCO₂)

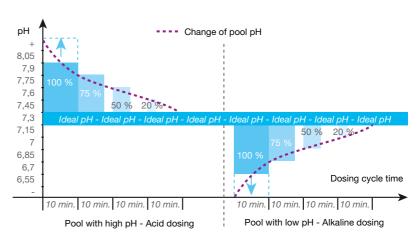
> SAFE, AUTO-ADAPTIVE OPERATION

Depending on the value measured by the sensor, Zodiac® pH regulation systems automatically adjust the pH of the swimming pool up or down, using a peristaltic dosing pump.

The dosing time depends on the difference between the pH of the swimming pool and the ideal pH (set point value). The water balance in the swimming pool is maintained at the desired value without taking any action.

Zodiac® pH regulation systems are equipped with an exclusive overdosing safety device (called 'OFA') to prevent excessive injection. The safety device is adjustable and operates in 3 steps to determine whether or not it is necessary to inject correcting product.

EXCLUSIVE AUTO-ADAPTIVE DOSING



> FOR GREATER COMFORT

For the comfort of bathers, the pH of the swimming pool must be kept between 7.0 and 7.6:

- · Below this, the water is aggressive.
- · Above this, larger doses of disinfectant are needed to maintain healthy water and combat the growth of algae.
- The ideal pH for the swimming pool water is also the average pH of the human body, and more especially the blood, which is between 7.35 and 7.45.

PH SCALE

ACID - Irritation to eyes and skin - Corrosion of metal equipment - Perfect bathing comfort - Value of the process of the

DID YOU KNOW?

The pH must be controlled and adjusted, whatever the disinfection system used. As a result, Zodiac pH regulation systems can be used in all types of pools.





AUTOMATICAL REGULATORS

pH Expert



- + Automatic pH regulation
- + Accurate dosing
- + Anti-overdose protection









ACCESSORIES INCLUDED IN THE PACK				
	DH 4.00			
pH Sensor	Buffer solutions kit	Plumbing kit	Wall mounting kit	Suction Pipe

FOR WHICH POOL?	
Model	pH Expert
Volume of treated water (temperate climate)	150 m³
Dosage	Acid or alkaline
Dosage	Actu of alkaline

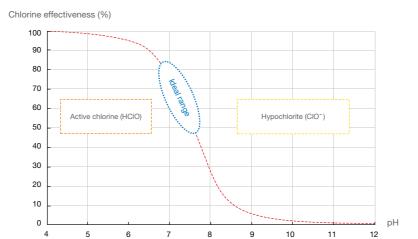
DESCRIPTION	
Model	pH Expert
Standard Model	W500708
User interface	1-line, backlit LCD screen
Languages	6 (FR-EN-ES-DE-IT-NL)
Calibration	Semi-automatic, 1 or 2 step(s) (Buffer solutions kit included)
Setpoints	Factory setting: pH = 7,4
Sensor position	Vertical
Safety	Configurable 'OFA' three-level over-feed alarm (settings from 0 to 6 h, default 4 h) Level sensor on intake pipe (equipped with anti-fumes cap)

TECHNICAL SPECIFICATIONS			
Model	pH Expert		
Sensor type pH or ORP	Combined sensor, simple-junction and simple-porous, Ø12 mm glass body		
Reading scale	0,0 - 14,0 pH		
Reading accuracy	0,1 pH		
Sensor Tolerances	0-60 °C, water speed ≤ 2 m/s		
Maximum counter pressure (injection point)	1,5 bar		
Peristaltic pH pump flow	1,5 L/h		
Fixing collar**	For 50 mm pipes (standard) or 63 mm (accessory)		
Protection index	IP65		
Size (I x h x p)	19,5 x 23,6 x 8,5 cm		
Power supply	220-240 VAC / 50-60 Hz		

^{*} Excluding consumable parts that have 1 year warranty (buffer solutions, peristaltic tube, one-way valve) ** not needed if the "POD Kit" option is used.

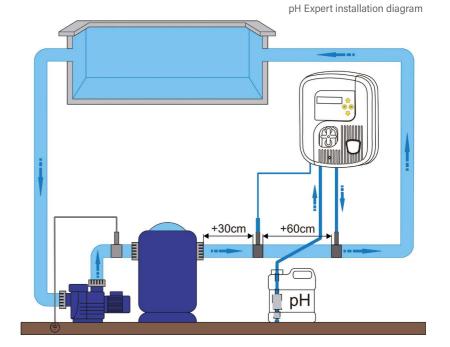


pH value is essential to maintain chlorine effectiveness:



ΙΝΟΙΤΑΙΙ ΑΤΙΟΝ

- The sensor must be placed more than 30 cm before or after any elbow fittings (otherwise, use the Pod Kit)
- The sensor must be installed vertically (maximum tolerance: 45°) Its cable (BNC type) is 5 m long.
- It is recommended to ground the pool water, so as to avoid parasitic currents.



OPTIONAL ACCESSORIES			
POD Kit	63mm saddle clamp	pH 4 and pH 7 buffer solutions (x6 + x6)	Earthing anode
R0534900	R0839600	R0824400	R0673800



ORP REGULATION SYSTEMS

For automated chlorination

Zodiac ORP regulation systems incorporate proportional dosing technology to **maintain an ideal chlorine level automatically** for the comfort of bathers. It uses the "ORP" method (also called Redox), otherwise known as measuring the "disinfectant capacity of the water".

> SAFE, AUTO-ADAPTIVE OPERATION

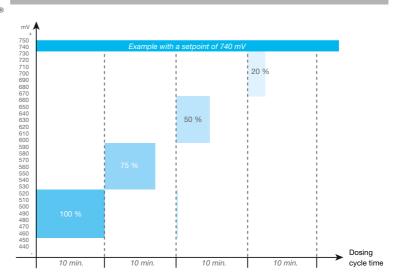
Depending on the ORP value measured by the sensor, Zodiac[®] ORP regulation systems will automatically adjust the chlorine level using a peristaltic dosing pump.

The dosing time depends on the difference between the ORP value of the swimming pool water and the optimum value (set point value). The quantities of liquid chlorine injected are automatically adjusted to meet the demand for disinfection.

Zodiac® ORP regulation systems are equipped with an exclusive overdosing safety device (called 'OFA') to prevent excessive injection.

The safety device is adjustable and operates in 3 steps to determine whether or not it is necessary to inject liquid chlorine.

EXCLUSIVE AUTO-ADAPTIVE DOSING



> FOR GREATER COMFORT

- For the comfort of bathers, the ORP level of the water must be between 600 mV and 750 mV; this is equivalent to about 1.0 mg/L free chlorine at pH 7.4 (variable depending on the stabiliser concentration).
- To maintain optimum water quality, the pH regulation system (pH Expert) is the essential partner to the ORP regulation system. **In this case the** 'PODkit' will be the ideal option for a simple installation and accurate measurement.



DID YOU KNOW?

ORP (and by extrapolation, the chlorine level) can vary depending on several parameters.

For optimum treatment, 5 values must be met:

- -pH = 7.0 to 7.6
- TAC (alkalinity) = 8 to 15 °f (or 80 to 150 ppm $CaCO_3$)
- Cyanuric acid (stabilizer) < 30 ppm
- Water temperature = 20°C to 28°C
- Borehole water and rainwater prohibited

It is essential to check and adjust these parameters, as necessary, to ensure optimum operation of the ORP regulation system.





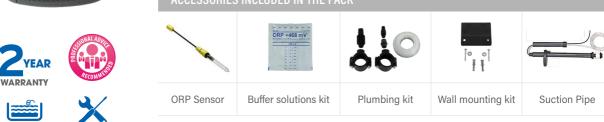
AUTOMATICAL REGULATORS

Chlor Expert



- + Automatic chlorine regulation
- + Accurate dosing
- + Anti-overdose protection

ORP +468 mV



Model	Chlor Expert	
Volume of treated water (temperate climate)	20 - 150 m³	
Dosage	Liquid chlorine	

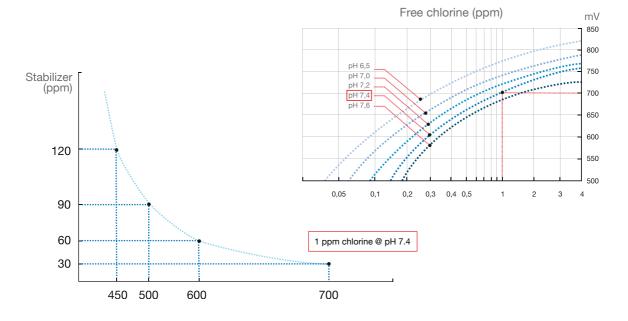
DESCRIPTION	
Model	Chlor Expert
Standard Model	W500709
User interface	1-line, backlit LCD screen
Languages	6 (FR-EN-ES-DE-IT-NL)
Calibration	Semi-automatic, 1 step (Buffer solutions kit included)
Setpoints	Factory setting : ORP = 650 mV
Sensor position	Vertical
Safety	Configurable 'OFA' three-level over-feed alarm (settings from 0 to 6 h, default 4 h) Level sensor on intake pipe (equipped with anti-fumes cap)

TECHNICAL SPECIFICATIONS			
Model	Chlor Expert		
Sensor type pH or ORP	Combined sensor, simple-junction and simple-porous, Ø12 mm glass body		
Reading scale	0 - 1000 mV		
Reading accuracy	10 mV		
Sensor Tolerances	0-60 °C, water speed ≤ 2 m/s		
Maximum counter pressure (injection point)	1,5 bar		
Peristaltic pH pump flow	1,5 L/h		
Fixing collar**	For 50 mm pipes (standard) or 63 mm (accessory)		
Protection index	IP65		
Size (I x h x p)	19,5 x 23,6 x 8,5 cm		
Power supply	220-240 VAC / 50-60 Hz		

^{*} Excluding consumable parts that have 1 year warranty (ORP sensor, buffer solution, peristaltic tube, one-way valve)
** not needed if the "POD Kit" option is used.

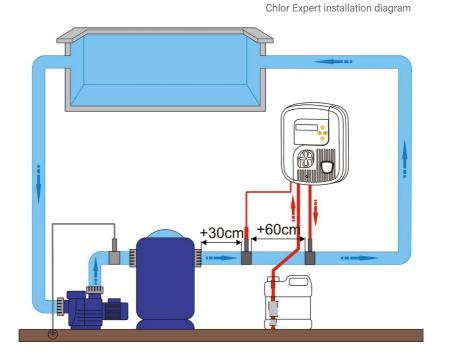


pH effect on ORP, and influence of CHLORINE STABILIZER:



INSTALLATION

- The minimum pool volume required to use ORP treatment is 20 m³.
- The sensor must be placed more than 30 cm before or after any elbow fittings (otherwise, use the Pod Kit)
- The sensor must be installed vertically (maximum tolerance: 45°) Its cable (BNC type) is 5 m long.
- It is recommended to ground the pool water, so as to avoid parasitic currents.
- Chlorine stabiliser (cyanuric acid) concentration MUST BE LOWER THAN 30 ppm.



OPTIONAL ACCESSORIES			
POD Kit	63mm saddle clamp	470 mV ORP buffer solutions (x6)	Earthing anode
R0534900	R0839600	R0824500	R0673800



SALT WATER CHLORINATORS

Automatic, easy and efficient disinfection

Simple to install and use, salt water chlorinators provide complete treatment with reduced maintenance.

> HOW DOES IT WORK?

The principle of salt electrolysis is simple. The swimming pool water is very slightly saline (from 2 to 4 g/L, meaning from 9 to 18 times less than sea water). By an electrolysis reaction across the cell of the system, chloride ions - from the salt dissolved in the water - are converted to chlorine gas,

a powerful disinfectant that dissolves in the water instantaneously. **The resulting** active chlorine (HOCl) destroys all the micro-organisms in the cell and provides an adequate level of free chlorine in the pool. The active chlorine, which is removed by combining with organic matter and under the effect of UV rays in sunlight, is continuously renewed by the cell without action by the user.

For optimum efficiency of the chlorinator, the pH of the swimming pool must be kept between 7.0 and 7.6.

All Zodiac® chlorinators have cells with **high quality, long-lasting titanium electrodes,** ensuring peace of mind for the user.

GARANTIE

REFERENCE POINT

Zodiac[®] control units and salt chlorinator cells will be repaired or exchanged during the guarantee period, whatever the causes of damage.

Chlorinator cell Water + Salt in solution Disinfecting agent: active chlorine

Organic matter + UV rays

CYCLIC REACTION OF SALT ELECTROLYSIS

	Ei²	Ei² Expert	eXPERT	eXO®iQ	eXO®iQ LS
SELECTION GUIDE	<u>*</u>	*	(2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		
Volume of water treated in m ³ (temperate climate, filtration 8 h/day)	50 / 90 / 110	40 / 70 / 110	30 / 50 / 90 / 140 / 180	40 / 70 / 100 / 160	40 / 70
Chlorine production in g/h	12 - 20 - 25	10 - 18 - 25	7 - 12 - 21 - 30 - 40	10 - 18 - 22 - 35	10 - 18
Salinity in g/L (min / required / max)	3,0 / 4,0 /10	3,0 / 4,0 /10	3,5 / 4,0 /10	3,3 / 4,0 /13	1,6 / 2,0 /10
Cell type	Quick Fix	Quick Fix	T shape	Inverted U	Inverted U
Working life of cell*	7 500 h	7 500 h	10 000 h	10 000 h	10 000 h
Polarity reversal	5 h	3 / 5 / 7 h	2/3/4/7h	2 to 8 h	2 to 8 h
Unit protection rating	IPX5	IPX5	IP65	IP43	IP43
User interface	LEDs	2 lines, backlit LCD screen	Touch-screen & LCD	4 lines, backlit LCD screen	4 lines, backlit LCD screen
Number of interface languages	N/A	13	N/A	11	11
Boost mode / Low mode (=cover contact)	- / J	J / J	J / J	J / J	J / J
Timers	-	✓	-	√ v	✓
User information	LEDs	Messages	Warning icons	Messages + LEDs	Messages + LEDs
Flow rate detection	Gas sensor	Mechanical flow switch	Mechanical flow switch	Mechanical flow switch	Mechanical flow switch
pH regulation	-	-	Yes (specific model)	Optional pH Link module	Optional pH Link module
pH & ORP regulation	-	-	Yes (specific model)	Optional Dual Link module	Optional Dual Link module
Connectivity / App control	-	-	thing.	iaqualink~	IAQUALINK**
Unconditionnal warranty (Power pack & Cell)	2 years	2 years	2 years	3 years	3 years

^{*} Under good operating conditions.













- + Suitable for all installations
- + Easy to install

























FOR WHICH POOL?					
Model	Ei ² 12	Ei² 20	Ei² 25		
Volume of treated water (temperate climate, 8h/day filtration)	50 m³	90 m³	110 m³		
Nominal Chlorine production	12 g/h	20 g/h	25 g/h		
Nominal output Amps	2,5 A	4,0 A	5,0 A		

DESCRIPTION					
Model	Ei ² 12	Ei² 20	Ei ² 25		
Standard Model	WW0000244	WW0000245	WW0000246		
User interface		Leds			
Operating modes	Normal; Low (Adjustable cover mode from 0 to 20 %)				
Timer	Controlled by filtration timer				
Polarity reversal	Yes : 5 h				
Required salt level - minimum	4 g/L - 3,0 g/L minimum				
Safety		Low salt' indicator light: Reduced production to protect the electrode 'No flow' indicator light: Production is interrupted as long as conditions are not ideal			
Cell position	Horizontal or vertical				
Plumbing compatibility		DN50 mm, DN63 mm, 1 ½" (48 mm)			

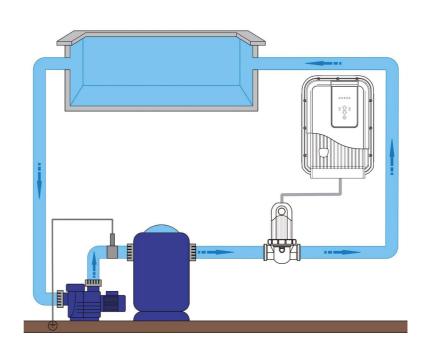


TECHNICAL SPECIFICATIONS				
Model	Ei ² 12	Ei ² 20	Ei² 25	
Power supply	220-240 VA	C / 50 Hz (mains power cable with m	oulded plug)	
Working life of cells*	7 500) h (titanium plates, SC6 ruthenium co	pating)	
Electric power	70 W	110 W	140 W	
Minimum flow rate (needed to purge air from the cell)		5 m³ / h		
Maximum flow rate (limited by pressure drops in the pipe)	18 m³/h (Bypass mandatory over this level)			
Maximum authorised cell pressure	2,75 bar (KPa)			
Maximum water temperature	40 °C			
Minimum water temperature	5 °C			
Length of the cell cable	1,8 m			
Protection index	IPX5			
Cell size (L x w x h)	16,5 x 22,5 x 12,5 cm			
Control box size (L x w x h)		28,5 x 40,5 x 12,5 cm		

^{*} Under good operating conditions.

- With an IPX5 rating, the casing can be installed anywhere, including in the pool area (see IEC 60529 standard).
- The distance between the control unit and the cell is 1.5 m.
- The control unit MUST be linked to the filtration unit. Power supply is cut off when the filter pump is turned off.





OPTIONAL ACCESSORIES				
Locking ring wrench	Winterizing cap			
R0769900	R0770100			







Ei² Expert





- + Suitable for all installations
- + Controlled chlorine production
- + Cover mode reducing automatically the chlorine output























Installation Kit

Flow switch installation kit





FOR WHICH POOL?					
Model	Ei ² Expert 10	Ei ² Expert 18	Ei ² Expert 25		
Volume of treated water (temperate climate, 8h/day filtration)	40 m³	70 m³	110 m³		
Nominal Chlorine production	10 g/h	18 g/h	25 g/h		
Nominal output Amps	2,0 A	3,6 A	5,0 A		

Model	Ei ² Expert 10	Ei ² Expert 18	Ei ² Expert 25			
Standard Model	WW000061	WW000062	WW000063			
User interface		2-line, backlit LCD screen				
Languages	13 (FR-EN-DE-ES-IT-NL-PT-AF-CZ-SL-HU-S	W-TR)			
Operating modes	Sumr	ner, Winter, Boost (100%), Low (cover mo	de 10%)			
Timer		24h clock / 2 timers				
Polarity reversal		Yes: 3, 5 or 7 h (Factory setting= 5h)				
Required salt level - minimum		4 g/L - 3,0 g/L minimum				
Safety	'No flow' indicator light: Production	ed production to protect the electrode n is interrupted as long as conditions are ot ideal	Low salt' indicator light: Reduced production to protect the electrode 'No flow' indicator light: Production is interrupted as long as conditions are not ideal Mechanical flow switch			
Cell position		Horizontal or vertical				
Plumbing compatibility		DN50 mm, DN63 mm, 1 ½" (48 mm)				

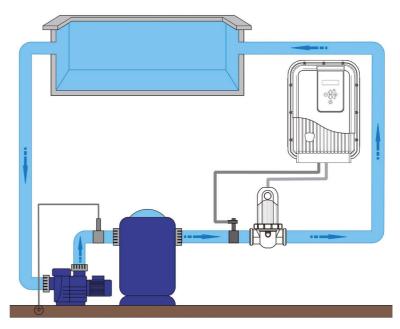


TECHNICAL SPECIFICATIONS				
Model	Ei ² Expert 10	Ei ² Expert 18	Ei ² Expert 25	
Power supply	220-240 VA	AC / 50 Hz (mains power cable with mo	oulded plug)	
Working life of cells*	7 50	0 h (titanium plates, SC6 ruthenium coa	ating)	
Electric power	60 W	100 W	140 W	
Minimum flow rate (needed to purge air from the cell)		5 m³ / h		
Maximum flow rate (limited by pressure drops in the pipe)	18 m³/h (Bypass mandatory over this level)			
Maximum authorised cell pressure	2,75 bar (KPa)			
Maximum water temperature	40 °C			
Minimum water temperature	5 ℃			
Length of the cell cable		1,8 m		
Protection index	IPX5			
Cell size (L x w x h)	16,5 x 22,5 x 12,5 cm			
Control box size (L x w x h)		28,5 x 40,5 x 12,5 cm		

^{*} Under good operating conditions.

- With an IPX5 rating, the casing can be installed anywhere, including in the pool area (see IEC 60529 standard).
- The distance between the control unit and the cell is 1.5 m.
- The control unit should be permanently connected to an electrical source (by using internal timers).

Ei² Expert installation diagram:



OPTIONAL ACCESSORIES				
Locking ring wrench	Winterizing cap			
R0769900	R0770100			



eXPERT

Versatile salt water treatment





EASE OF USE

With a large touchscreen and oversized fonts, eXPERT makes it easy to set up and adjust. Check your pool's status at-a-glance with the user-friendly information display.

MAXIMUM VERSATILITY

Available in a wide range of options to treat pool volumes up to 180 m³, eXPERT guarantees long-lasting water treatment thanks to its sturdy cell.

AUTONOMOUS WATER QUALITY

eXPERT provides full water treatment features with water balance management (pH regulation) and automatic regulation of chlorination (ORP regulation)*.

* Depending on the model.





NN COMPTABILITY

eXPERT can be remotely controlled using the NN app if it is wired to a Fluidra Connect & Go pool automation system.

> A UNIQUE INTERFACE TO ADAPT TO EACH NEED



LARGE TOUCH PANEL WITH OVERSIZE FONTS

NN THING CONNECTABLE PRODUCT FOR REMOTE CONTROL

AVAILABLE WITH pH OR pH/ORP REGULATION(S), USING HIGH QUALITY GLASS SENSORS





> 1 RANGE, 3 SOLUTIONS



1. Salt water chlorinator

Autonomous pool disinfection





2. Salt Water chlorinator + pH regulation

In addition to the autonomous disinfection, this model automatically manages water balance. It injects pH corrective product if needed





3. Salt water chlorinator + pH & ORP regulations

In addition to pH management, this model automatically manages the chlorination thanks to its ORP regulation for a complete water treatment.

SELECTION GUIDE	eXPERT 7	eXPERT 12	eXPERT 21	eXPERT 30	eXPERT 40	
Chlorine output (g/h)	7	12	21	30	40	
Maximum treated pool volume (temperate climate with water up to 28°C, disinfection capacity linked to the daily filtration time, here for 8 h/day) (m³)	30 m³	50 m³	90 m³	140 m³	180 m³	
Recommended salinity (& min-max threshold)			4 g/L (4 - 10 g/L)			
Salinity reading	Yes					
Water temperature reading	Yes					
Boost mode	24 hours shock chlorination					
Low (cover) mode	Reduced chlorination when pool cover is closed (adjustable)					
Flow safety			Mechanical flow switch			
pH regulation and dosing			Yes, specific "pH" models			
ORP regulation	Yes, specific "pH/ORP" models					
Connectivity / App control	Yes, NN Thing (compatible with Fluidra Connect and NN app) Can be managed remotely when wired to a connecting device					
Warranty, power pack & cell	2 years, unconditional					
Warranty, sensors		2 years (p	H sensor) / 1 year (ORP go	old sensor)		





SALT WATER CHLORINATORS

eXPERT





- + Ease of use
- + Maximum versatility
- + Autonomous water quality

ACCESSORIES INCLUDED IN THE PACK





















Installation Flow switch Kit installation kit

pH and pH/ ORP versions: pH pump kit

pH version: pH sensor kit with buffer solutions

pH/ORP version: pH & ORP sensors kit with buffer solutions





FOR WHICH POOL?						
Model	eXPERT 7	eXPERT 12	eXPERT 21	eXPERT 30	eXPERT 40	
Volume of treated water (temperate climate, 8h/day filtration)	30 m³	50 m ³	100 m³	140 m³	180 m³	
Nominal Chlorine production	7 g/h	12 g/h	21 g/h	30 g/h	40 g/h	
Nominal output Amps	0,2 A	0,4	4 A	0,8 A	0,9 A	

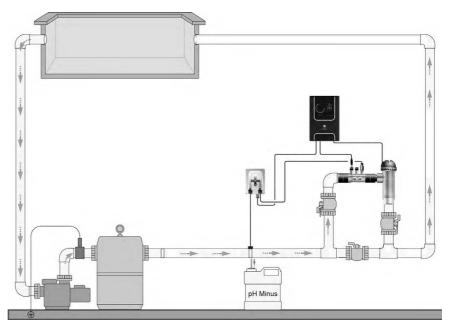
DESCRIPTION						
Model	eXPERT 7	eXPERT 12	eXPERT 21	eXPERT 30	eXPERT 40	
Standard Model	74183	74184	74185	74186	74187	
pH model	74188	74189	74190	74191	74192	
pH/ORP model	74193	74194	74195	74196	74197	
User interface			Touch-screen and LCD)		
Calibration	Semi-aut	Semi-automatic at 2 points pH 4 and pH 7 & ORP 470 mV (buffer solutions included)				
Setpoints		Factory setting: pH = 7,2 / ORP = 700 mV				
Sensor position		Vertica	l, on the sensor-holder (p	rovided)		
Operating modes	Norn	nal, Boost (100% durin	g 24h) & Low (adjustable	cover mode from 10 to	90 %)	
Timer		(Controlled by filtration tim	er		
Polarity reversal		Y	es : 2, 3, 4 or 7 h (default 2	2 h)		
Required salt level - minimum	5 g/L - 4 g/	L minimum		4 g/L - 3.5 g/L minimum	1	
Safety	"Flow" indi	"Flow" indicator light: lack of flow, production is interrupted as long as conditions are not ideal "g/L": Salt level too high or too low "High" & "Low" indicators for pH & ORP values				
Cell position		Horizontal or vertical				
Plumbing compatibility			DN50 mm, DN63 mm			



Model	eXPERT 7	eXPERT 12	eXPERT 21	eXPERT 30	eXPERT 40
Sensor type pH or ORP	Combined sensor, simple-junction and simple-porous, Ø12 mm glass body				
Reading scale	0.0 - 9.9 pH 0 - 999 mV				
Reading accuracy			0.1 pH 1 mV		
Sensor Tolerances		0-6	60 °C, water speed ≤ 2	m/s	
Maximum counter pressure (injection point)	1,5 bar				
Peristaltic pH pump flow	1,5 L/h				
Power supply	230 VAC / 50-60 Hz				
Working life of cells*	10 000 h (titanium plates, SC6 ruthenium coating)				
Electric power	46 W	92	2 W	184 W	207 W
Minimum flow rate (needed to purge air from the cell)	3 m ²	³ / h	5 m³ / h	6 m³ / h	8 m³ / h
Maximum authorised cell pressure			1 bar (kg/cm²)		
Maximum water temperature			40°C		
Minimum water temperature	10°C				
Length of the cell cable	1,5 m				
Protection index	IP65				
Cell size (L x w x h)			33 x 16 x 17 cm		
Control box size (L x w x h)			23 x 34 x 12 cm		

^{*} Under good operating conditions.

- With an IP65 rating, the casing can be installed anywhere, including in the pool area (see IEC 60529 standard).
- The distance between the control unit and the cell is 1.5 m.
- The control unit should be controlled by the filter pump time-clock.





eXO® iQ & eXO® iQ LS

WATER CONTROL WITH A DOSE OF SERENITY

The eXO® salt water chlorinator solutions

The eXO® platform is an efficient and automatic disinfection solution. Easy to use, it offers complete water treatment, controlling the pool's equipment for optimal water quality.





All-in-one control

All pool water quality management functions are centralised in a single interface:

- automatic pH and chlorination regulation (Redox method) with the complementary pH Link & Dual Link modules
- pool device control: filter pump, heater, lighting, etc.



Peace of mind

With its long-lasting electrode and high-quality sensors, the eXO® solution offers optimal water quality all the time. As proof of reliability, the chlorinator comes with a 3-year unconditional warranty⁽¹⁾.



Built-in Wi-Fi

The iAquaLink $^{\text{IM}}$ app allows you to have remotely and real-time control of your water quality and your pool's equipment $^{(2)}$ from you smartphone or tablet.

⁽²⁾ Connected to the eXO® solution.



INCOMPARABLY GENTLE, PURE AND CRYSTAL CLEAR WATER

Exclusive magnesium-based chlorinator solution

This solution combines the properties of MagnaPool® magnesium-based minerals with an exceptionally fine filtration system for a natural and incomparably crystal clear water.



eXO° iQ LS



Hydroxinator® iQ



Gentle water for skin and eyes

MagnaPool® naturally slows the development of chloramines, so you can enjoy gentle water without unpleasant smells or skin and eyes irritation.



A pure crystal clear swimming pool

MagnaPool® provides exceptionally clear water without adding any sanitizing chemicals.



Environmentally-friendly water treatment

Crystal Clear filter media for MagnaPool® swimming pools consists of thousands of pure glass crystals. It is not receptive to bacteria and only requires a short filter backwash.

^{(1) 3} years unconditional (device), 2 years (pH sensor), 1 year (ORP sensor)



Hydroxinator® iQ

> A UNIQUE INTERFACE FOR PERFECT CONTROL





eXO® iQ LS

> TECHNICAL CARACTERISTICS

Maximum volume treated erate climate with water up to 28°C, disinfection capacity linked to the daily filtration time, here for 8hrs/day)	150 m ³	70 m³	150 m ³
Treatment type	Salt water chlorination	Salt water chlorination Low Salinity	MagnaPool® Magnesium mineral chlorination
Recommended concentration (measured in the water)	4 g/L	2 g/L	4 g/L
Optional pH regulation		pH Link "Plug & Play" module	9
Optional pH and ORP regulation		Dual Link "Plug & Play" modul	le
Connectivity / App control	iaguaunk™ Ded	Built-in Wi-Fi icated Android & iOS smartphor	ne app
Boost mode	24h shock chlorination		
Cover mode	Reduced chlorination when the electric cover is closed Automatic or manual activation (0 to 30% adjustable chlorination output)		
Water temperature indicator	Yes, with cell protection function		
Equipment control	Up to 3 programmable equipment: - Filter pump: single or variable speed (Zodiac®) - Heater: Heat pump, heater Any other device		
Security – Low water flow sensor	Mechanical flow switch		
Self-cleaning cell (polarity reversal)	Adjustable every 2 to 8 hours (allows to adpat the cell revesal to water hardness)		
Warranty - Device	3 years, unconditional		
Warranty - Sensors	2 y	ears (pH sensor) / 1 year (ORP s	sensor)

eXO® iQ











- + All-in-one control: all water quality control is centralised in a single interface (pH, chlorination, filter pump, heater & light control...)
- + Peace of mind: long lasting electrodes, high-end sensors
- + Built-in Wi-Fi: Wi-Fi connexion to the iAquaLink™ app























Wall mounting kit

Flow switch kit

Temperature sensor kit

Reducing bushes kit

Free app







FOR WHICH POOL?				
Model	eXO® iQ 10	eXO® iQ 18	eXO® iQ 22	eXO® iQ 35
Volume of treated water (temperate climate, 8h/day filtration)	40 m ³	70 m³	100 m³	160 m³
Nominal Chlorine production	10 g/h	18 g/h	22 g/h	35 g/h
Nominal output Amps	2,8 A	3,6 A	5,0 A	7,2 A

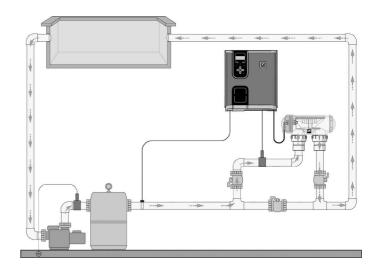
DESCRIPTION				
Model	eXO® iQ 10	eXO® iQ 18	eXO® iQ 22	eXO® iQ 35
Standard Model	WW000162	WW000163	WW000164	WW000165
User interface		4-line, backl	it LCD screen	
Languages		11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW)		
Operating modes	Nor	mal, Boost (100 %); Low (Adju	stable cover mode from 0 to 3	30 %)
Equipement control	2 auxiliaries outputs for: he	ater control (temp setpoint and LED color	Zodiac [®] variable speed) d heating priority), light contro r selection) er device	l (with dedicated Zodiac [®] NI
Timer		24 h clock / 2 chlorination timers 2 single speed or 4 Zodiac variable speed filter pump timers 1 timer per additional equipment		
Polarity reversal		Yes: adjustable from 2 to 8h (Factory setting= 5h)		
Required salt level - minimum		4 g/L - 3,3 g/L minimum		
Safety	'Low	Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode 'Low salt' indicator light: Reduced production to protect the electrode 'No flow' message: Production is interrupted as long as conditions are not ideal Mechanical flow switch		
Cell position		Horizontal		
Plumbing compatibility	DN50 mm, DN63 mm, 1 ½" (48 mm)			



	0.0	0.	0.0	
Model	eXO® iQ 10	eXO® iQ 18	eXO® iQ 22	eXO® iQ 35
Power supply		220-240 VAC	C / 50-60 Hz	
Working life of cells*		10 000 h (titanium plates,	SC6 ruthenium coating)	
Electric power		Max 2	00 W	
Minimum flow rate (needed to purge air from the cell)	5 m³ / h			
Maximum flow rate (limited by pressure drops in the pipe)	18 m³/h (Bypass mandatory over this level)			
Maximum authorised cell pressure	2,75 bar (KPa)			
Maximum water temperature	40 °C			
Minimum water temperature	5 °C			
Length of the cell cable	1,8 m			
Protection index	IP43			
Cell size (L x w x h)	32,0 x 13,5 x 11,0 cm			
Control box size (L x w x h)	32,0 x 37,0 x 12 cm			

^{*} Under good operating conditions.

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
 The control unit should be permanently
- The control unit should be permanently connected to an electrical source (by using internal timers)



OPTIONAL ACCESSORIES		
pH Link Module	Dual Link Module	
WW000176	WW000177	





SALT WATER CHLORINATORS

eXO® iQ LS



- + Low salinity chlorinator
- + All-in-one control: all water quality control is centralised in a single interface (pH, chlorination, filter pump, heater & light control...)
- + Built-in Wi-Fi: Wi-Fi connexion to the iAquaLink™ app



7

LOW SALT



















Wall mounting kit

Flow switch kit

Temperature sensor kit

Reducing bushes kit

Free app







FOR WHICH POOL?		
Model	eXO® iQ LS 10	eXO® iQ LS 18
Volume of treated water (temperate climate, 8h/day filtration)	40 m³	70 m³
Nominal Chlorine production	10 g/h	18 g/h
Nominal output Amps	2,8 A	3,6 A

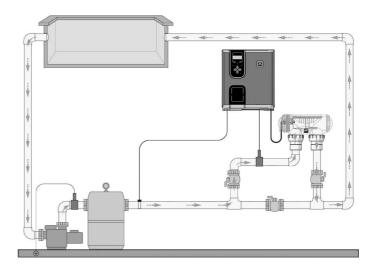
DESCRIPTION			
Model	eXO [®] iQ LS 10	eXO® iQ LS 18	
Standard Model	WW000170	WW000171	
User interface	4-line, backlit	LCD screen	
Languages	11 (FR-EN-DE-ES-IT-N	L-PT-CZ-SL-HU-SW)	
Operating modes	Normal, Boost (100 %); Low (Adjus	stable cover mode from 0 to 30 %)	
Equipement control	Filter pump (single or Zodiac [®] variable speed) 2 auxiliaries outputs for: heater control (temp setpoint and heating priority), light control (with dedicated Zodiac [®] NL LED color selection) any other device		
Timer	24 h clock / 2 chlorination timers 2 single speed or 4 Zodiac variable speed filter pump timers 1 timer per additional equipment		
Polarity reversal	Yes: adjustable from 2 to 8h (Factory setting= 5h)		
Required salt level - minimum	2 g/L - 1,6 g/L minimum		
Safety	Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode 'Low salt' indicator light: Reduced production to protect the electrode 'No flow' message: Production is interrupted as long as conditions are not ideal Mechanical flow switch		
Cell position	Horizontal		
Plumbing compatibility	DN50 mm, DN63 mm, 1 ½" (48 mm)		



Model	eXO® iQ LS 10	eXO® iQ LS 18
wer supply	220-240 VAC / 50-60 Hz	
rking life of cells*	10 000 h (titanium plates,	SC6 ruthenium coating)
ctric power	Max 2	00 W
nimum flow rate eded to purge air from the cell)	5 m²	³ / h
ximum flow rate nited by pressure drops in the pipe)	18 m³/h (Bypass mandatory over this level)	
ximum authorised cell pressure	2,75 bar (KPa)	
ximum water temperature	40 °C	
imum water temperature	5 ℃	
ngth of the cell cable	1,8 m	
tection index	IP43	
size (L x w x h)	32,0 x 13,5	5 x 11,0 cm
trol box size (L x w x h)	32,0 x 37,0 x 12 cm	

^{*} Under good operating conditions.

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
- The control unit should be permanently connected to an electrical source (by using internal timers)



OPTIONAL ACCESSORIES		
pH Link Module	Dual Link Module	
WW000176	WW000177	



SALT WATER CHLORINATORS

pH Link & Dual Link









- + Automatic regulation
- + Accurate & easy reading (high quality glass sensor in a POD)













FOR WHICH POOL?		
Model	pH Link	Dual Link
Volume of treated water (temperate climate)	160 m³	Depending on the chlorinator's output power
Dosage	Acid	Acid

DESCRIPTION			
Model	pH Link	Dual Link	
Standard Model	WW000176	WW000177	
User interface	Device's interface (4-line, backlit LCD screen)		
Calibration	Semi-automatic at 2 points pH 4 and pH 7 & ORP 470 mV (buffer solutions included)		
Setpoints	Factory setting: pH = 7,2 / ORP = 700 mV		
Sensor position	Vertical, on the POD (provided)		
Safety	Overdosing safety, low measures, unplugged sensor, broken sensor (pH Link)		

TECHNICAL SPECIFICATIONS			
Model	pH Link	Dual Link	
ensor type pH or ORP	Combined sensor, simple-junction and simple-porous, Ø12 mm glass body		
eading scale	0,0 -12,0 pH	100 - 1000 mV	
eading accuracy	0,1 pH	10 mV	
nsor Tolerances	0-60 °C, water speed ≤ 2 m/s		
ximum counter pressure lection point)	1,5 bar		
ristaltic pH pump flow	1,2 L/h		
II size (L x w x h)	30,5 x 18,1 x 11,5 cm		

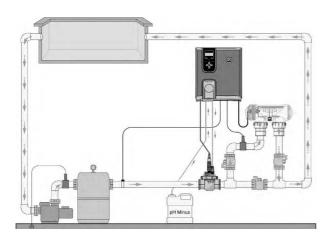
^{*} Excluding consumable parts that have 1 year warranty (ORP sensor, buffer solution, peristaltic tube, one-way valve)



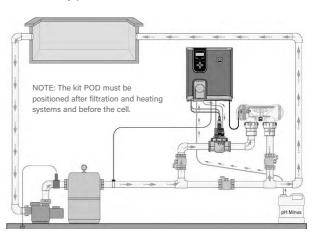
- Connect the unit directly to the chlorinator's control unit.
- The distance between the module and the sensor cell is 1,5m (3 m extension cable is optional).
- The POD MUST be installed so that the sensor(s) is/are vertical, to ensure accurate measurement.

pH Link & Dual Link Modules installation diagram:

Kit POD on line:



POD Kit in by-pass:



OPTIONAL ACCESSO	DRIES				
Intake pipe	pH 4 and pH 7 buffer solutions (x6 + x6)	470 mV ORP buffer solutions (x6)	Winterizing cap	3m BNC cable extension	Earthing anode
R0808000	R0824400	R0824500	R0770100	R0635800	R0673800





PATENTED MAGNESIUM WATER TREATMENT

For incomparably gentle, crystal clear water

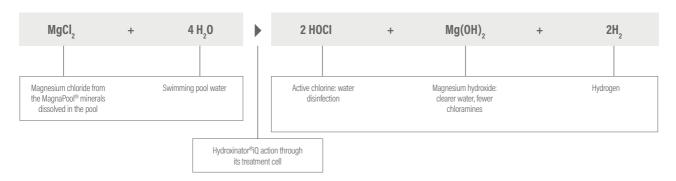
The patented MagnaPool® solution combines the clarifying properties of magnesium with a filtration system of exceptional quality, for a perfectly healthy and balanced, mineral-enriched swimming pool.

> HOW DOES IT WORK?

The MagnaPool® solution combines natural minerals, magnesium and potassium (diluted in the pool), to purify the water while providing an incomparable bathing exerience.

This water treatment solution naturally converts magnesium minerals to magnesium hydroxide, a gentle and silky substance that acts as a clarifier in order to retain all the impurities, even the finest, in the water. Without impurities, bacteria no longer grow and are removed from the pool.

The MagnaPool® Hydroxinator® iQ then generates non-synthetic (or inorganic) chlorine: **this phenomenon is hydroxination.** The resulting chlorine, without addition of chemical products, protects the integrity and quality of the water, without harming the environment in which it is used.



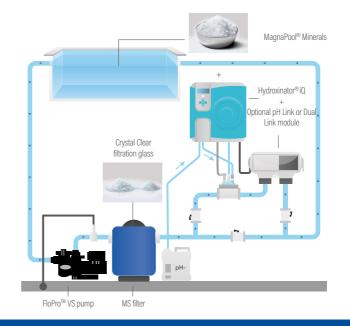
DID YOU KNOW?

MagnaPool® minerals do not contain any sodium chloride («salt» or NaCl). The MagnaPool® minerals do not produce soda, a very basic element that affects negatively the water balance.

STANDARD INSTALLATION

The patented MagnaPool® solution comprises a Hydroxinator® iQ with its treatment cell, Crystal Clear glass filter medium and MagnaPool® minerals. Each of these elements is needed for the MagnaPool® solution to function; they cannot be sold separately.

To obtain a complete MagnaPool® eco-system, the assembly can be combined with Zodiac MS filter and variable speed pump.





REFERENCE POINT

The MagnaPool® solution comprises the Hydroxinator® iQ, MagnaPool® minerals and the Crystal Clear filtration crystals. Zodiac® equipment is compatible with and/or additional to the MagnaPool® system. Identify all the products in the MagnaPool® ecosystem using this pictogram.





> THE BENEFITS OF THE MAGNAPOOL® SOLUTION



A PURE, CRYSTAL CLEAR SWIMMING POOL

MagnaPool® provides exceptionally clear water without adding chemical disinfection products.

This intense clarity is made possible by combining two innovative factors. Firstly, the powerful natural clarifying properties of magnesium in MagnaPool® minerals.

And secondly, exceptionally fine filtration using Crystal Clear filtration media.

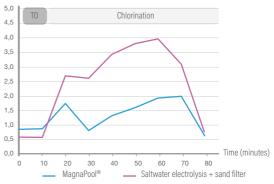


12 24 Mineral Pool Science

GENTLE WATER FOR SKIN AND EYES

Compared with conventional water treatment systems (manual chlorine addition or salt electrolysis + sand filter),
MagnaPool® naturally slows the development
of chloramines, molecules that can cause
an unpleasant chlorine smell and eye or skin irritation.

Total chlorine in mg/L (or ppm)



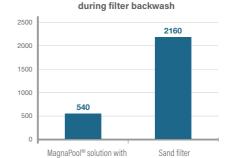
Zodiac laboratory measurement of chloramines (or combined chlorine) after adding organic matter to two pools at the same time, one treated with salt electrolysis + sand filter and the other with MagnaPool[®].



ENVIRONMENTALLY-FRIENDLY WATER TREATMENT

Crystal Clear filter media for MagnaPool® swimming pools consist of thousands of pure glass crystals. Unlike sand, it is not receptive to bacteria and only requires a short filter backwash.

Thus, water consumption is reduced by up to 75%.



Water consumption (in L)

Value for a pool equipped with a 640 mm filter and a 1.0 HP (or 0.75 kW) pump.

Crystal Clear

DID YOU KNOW?

Magnesium takes part in more than 300 enzymatic reactions and cell growth in the human body, such as nerve transmission, skin renewal and cell relaxation.

The chlorophyll molecule, basic plant component, is formed around a magnesium atom.





MAGNAPOOL®

Hydroxinator® iQ



- + Unrivalled swimming comfort
- + Crystal-clear water: clarifying effect of magnesium and glass media
- + Eco-friendly: use less water and energy, fewer chemical additives
- + Upgradable: optional pH / ORP regulations (pH Link or Dual Link modules)





























Temperature sensor kit

Reducing bush kit

Free app control





FOR WHICH POOL?				
Model	Hydroxinator® iQ 10	Hydroxinator® iQ 18	Hydroxinator® iQ 22	Hydroxinator® iQ 35
Volume of treated water (temperate climate, 8h/day filtration)	40 m³	70 m³	100 m³	160 m³
Nominal Chlorine production	10 g/h	18 g/h	22 g/h	35 g/h
Nominal output Amps	2,8 A	3,6 A	5,0 A	7,2 A

Flow switch kit

Model	Hydroxinator® iQ 10	Hydroxinator® iQ 18	Hydroxinator® iQ 22	Hydroxinator® iQ 35	
Standard Model	WW000172	WW000173	WW000174	WW000175	
User interface		4-line, backlit LCD screen			
Languages		11 (FR-EN-DE-ES-IT-N	NL-PT-CZ-SL-HU-SW)		
Operating modes	norr	mal, Boost (100 %); Low (Adju	stable cover mode from 0 to 3	0 %)	
pH Regulation		Yes, option	n (pH Link)		
ORP Regulation		Yes, option (Dual Link)			
Equipement control	2 auxiliaries outputs for: hea	Filter pump (single or Zodiac [®] variable speed) 2 auxiliaries outputs for: heater control (temp setpoint and heating priority), light control (with dedicated Zodiac [®] NI LED color selection) any other device			
Timer		24 h clock / 2 chlorination timers 2 single speed or 4 Zodiac variable speed filter pump timers 1 timer per additional equipment			
Polarity reversal		Yes: adjustable from 2 to 8h (Factory setting= 5h)			
Recommended minerals rate - minimum*		4 g/L - 3,3 g/L minimum			
Safety	'Low	Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode 'Low salt' indicator light: Reduced production to protect the electrode 'No flow' message: Production is interrupted as long as conditions are not ideal Mechanical flow switch			
Cell position		Horizontal			
Plumbing compatibility		DN50 mm, DN63 mm, 1 ½" (48 mm)			

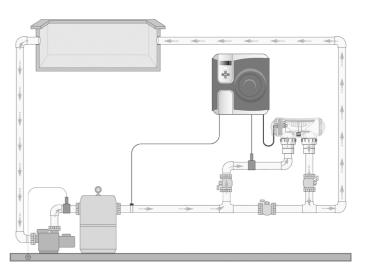
^{*} Mineral levels are measured using the usual salinity testers. Add 5 x 10kg bags per 10 m³ to measure a concentration of 4 g/L (4000 ppm).



Model	Hydroxinator® iQ 10	Hydroxinator® iQ 18	Hydroxinator® iQ 22	Hydroxinator® iQ 35
Working life of cells*	10 000h (titanium plates, specific SC6 ruthenium coating)			
Electric power	Max 200 W			
Minimum flow rate (needed to purge air from the cell)	5 m³ / h			
Maximum flow rate (limited by pressure drops in the pipe)	18 m³/h (Bypass mandatory over this level)			
Maximum authorised cell pressure	2,75 bar (KPa)			
Maximum water temperature	40 °C			
Minimum water temperature	5 ℃			
Length of the cell cable	1,8 m			
Protection index	IP43			
Cell size (L x w x h)	32,0 x 13,5 x 11,0 cm			
Control box size (L x w x h)	32,0 x 37,0 x 12,0 cm			
Power Supply	220-240 VAC / 50-60 Hz			

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
- The control unit should be permanently connected to an electrical source (by using internal timers)





ASSOCIATED PRODUCTS		ASSOCIATED MINERALS		
pH Link Module	Dual Link Module	MagnaPool® Minerals	Crystal Clear 0.7/1.3 mm	Crystal Clear 1,0/3,0 mm
WW000176	WW000177	WC000163	WF000063	WF000064











- + Exclusive: patented MagnaPool® minerals specifically for MagnaPool® pools
- + Crystal-clear water, less chloramines
- + Eco-friendly: salt-free formulation (no sodium chloride)
- + Easy: easy handling with 10 kg packaging









DESCRIPTION		
Model	MagnaPool® Minerals	
Contents	Patented MagnaPool® minerals	
Formulation	Magnesium chloride and potassium chloride	
Form	Tablet/powder mixture	
Dosage*	5 kg/m³	
Bag dimensions (I x h)	40 x 50 cm	
Bag net weight	10 kg	
Palletization	72 bags per pallet (minimum order quantity = 10 bags)	
Pallet net weight*	720 kg	
Usage indication	1 x 720 kg pallet is enough to start up 1 or 2 MagnaPool® swimming pools (depending on volume)	

ASSOCIATED PRODUCTS		ASSOCIATED GLASS MEDIA	
Hydroxinator® iQ	Hydroxinator®	Crystal Clear 0,7/1,3 mm	Crystal Clear 1,0/3,0 mm
WW000172/173/174/175	(old mo del)	WF000063	WF000064

^{*} Mineral levels are measured using the usual salinity testers. Add 5 x 10kg bags per 10 m³ to measure a concentration of 4 g/L (4000 ppm).



FILTERING MEDIA

Crystal Clear





+ Optimum filtration efficiency

+ Long lasting: lasts 3 times longer than sand

+ Eco-friendly : up to 75% water savings













PRODUCT REFERENCES		
Model	Crystal Clear 0,7/1,3 mm	Crystal Clear 1,0/3,0 mm
Standard Model	WF000063	WF000064

DESCRIPTION			
Model	Crystal Clear 0,7/1,3 mm	Crystal Clear 1,0/3,0 mm	
Contents	Filtering medium made of 100% pure glass crystals		
Form	Translucent		
Dosage	Total weight in the filter : 10% less than the equivalent in sand 1,0/3,0mm : sufficient to cover the filter laterals 0,7/1,3 mm : in addtion, to make up the total weight		
Filtration efficiency	77,9% turbidity reduction*		
Bag dimensions (I x h)	45 x 65 cm		
Bag net weight	15 kg (= shipping unit, skus can be mixed on a pallet)		

ASSOCIATED PRODUCTS		
MS filter	Hydroxinator® iQ	Hydroxinator®
WF000094/95/96/97/98	WW000172/173/174/175	(old model)

^{*} Turbidity reduction test carried in a lab with Crystal Clear fine, under EN 16713-1 standard (test #7.2.4). Regulatory requirement is 50% min.



NATURE² MINERAL PURIFIERS

Zodiac® mineral purifiers treat and clarify water using fewer chemical products.

> HOW DOES IT WORK?

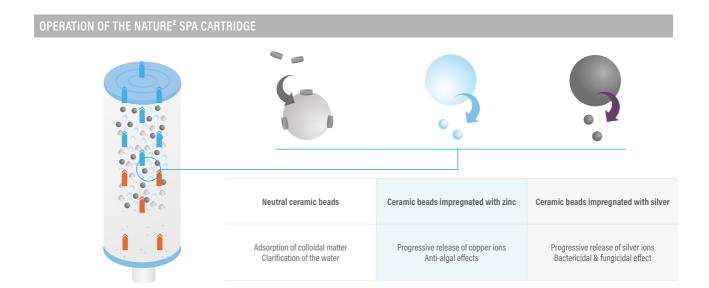
Nature² technology combines **recognized disinfection and purification efficiency of certain mineral components** and the unique properties of a material used in high-tech industries: ceramic (micro-porous material).

The ceramic beads retain micro-particles (colloidal matter) not stopped by the filter, to clarify the swimming pool water.

Zinc particles, coated on some ceramic beads, give Nature² cartridges algicidal properties.

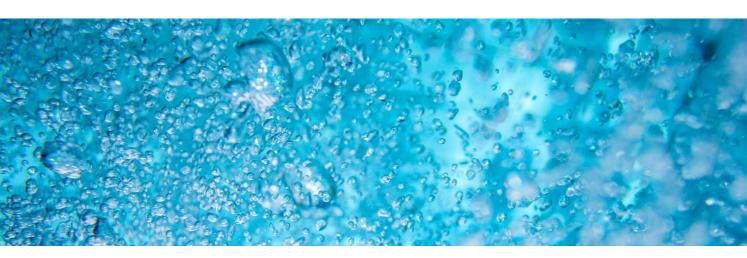
Silver particles, coated on other ceramic beads, offer bactericidal and fungicidal (disinfection) properties.

The combined action of these 3 properties enables Nature² systems to use **up to 4 times less chlorine** compared to conventional manual treatment: 0.5 ppm free chlorine is enough (depending on conditions of use).



> AN ENHANCED BATHING EXPERIENCE

- Requiring up to 4 times less disinfectant, Nature² systems clearly enhance bathing (less odour, no more unpleasant sensations on the skin, etc.).
- By using fewer chemical products, pH is potentially less disturbed. The water balance, a measure of efficient disinfection treatment, is consequently more stable.
- Depending on models and needs, Nature² can also be used with chlorine, active oxygen, a UV system or ozonator.





MINERAL PURIFIERS

Nature² Spa





- + Ready to use
- + Autonomous
- + Enhanced bathing experience







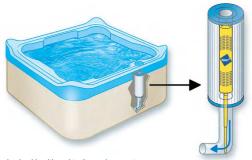


FOR WHICH POOL?	
Model	Nature ² Spa Cartridge - 6-packs display
Volume of treated water (temperate climate)	0 - 4 m³

DESCRIPTION		
Model	Nature ² Spa Cartridge - 6-packs display	
Standard Model	WN000001	
Type of disinfectant to use	Stabilised organic chlorine, "dichlor" or "trichlor" type (tablets or granules), calcium hypochlorite inroganic chlorine, liquid chlorine, active oxygen (liquid or powder) or UV treatment may be used. Compatible with salt water chlorination.	
Cartridge life-span	6 months from the time the cartridge is placed in the purifier	
Compatibility	Nature ² Spa is not compatible with bromide and its derivatives, chlorine free disinfectants of the PHMB types (or "biguanides"), products containing copper, stain remover products and metal blockers.	

TECHNICAL SPECIFICATIONS		
Model	Nature ² Spa Cartridge - 6-packs display	
Water flow minimum / maximum	Adapted to all spa flow rates	
Maximum operating temperature (water)	35 ℃	
Installation	Inside the spa cartridge filter	
Cartridge weight	100 g	
Minimum order quantity	1 x 6-pack display	

• The Nature2 cartridge slides straight into the spa's cartridge filter. Use the positioning pins if necessary, so that the cartridge is positioned in the middle of the filter.



Before any use, ensure it is really needed, especially in places frequented by the general public.

Whenever possible, give preference to alternative methods and products presenting the lowest risk to human and animal health and to the environment. Biocidal product: H400 / H410



CLEANING

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3 TECHNOLOGIES FOR SWIMMING POOL CLEANING

To clean a pool as well as possible, multiple parameters are considered in **the choice of cleaning equipment:** shape and lining of the pool, standard of cleaning, volume to be covered, etc.

High technology Zodiac® cleaners match the different features of a pool, the cleaning time and every budget.

3 types of technologies are currently available: electric cleaning, hydraulic cleaning and pressure cleaning.

> ZODIAC® ELECTRIC ROBOTIC CLEANERS: A HIGH-PERFORMANCE, STAND-ALONE SYSTEM

Separate from the filtration system and simply connected to the mains power, they are Plug&Play and **stand-alone equipment.**

With no action required and **programmable** (cleaning time, area to be covered, etc.), they reach every corner of the pool, climb the walls, clean the water line and collect impurities in their own filter basket.

There are different models for all types of pools.





> ZODIAC® HYDRAULIC ROBOTIC CLEANERS: A SIMPLE AND AFFORDABLE SOLUTION

Hydraulic robotic cleaners can be easily installed in the pool filtration system. In fact, they work on the energy produced by your pump.

Vacuum cleaners capture debris by suction and accumulate it in the pump pre-filter.

More affordable than electric cleaners, hydraulic cleaners are connected to a pool vacuum point or a skimmer and are **particularly suitable for the smallest pools** (with a flat floor or gentle slope and above-ground pools).

> AUTOMATIC POLARIS® CLEANERS: The power of a high-pressure clean

These cleaners use the swimming pool's filtration pump as a power source for even more efficient and precise high-pressure cleaning. Instead of being connected to the suction, pressure cleaners are connected to the pool water return, using the vacuum point converted to discharge. In this way, the pool skimmers remain active and maintain full surface filtration capacity.

Pressure cleaners work with a booster pump and have a canister that collects debris sucked in, preventing the pump pre-filter from becoming blocked.



To optimise the efficiency of these accessories, it is essential to **ensure they are compatible with the pool lining**, filtration equipment, environment, etc.



ELECTRIC ROBOT CLEANERS

A stand-alone and efficient solution

The electric robots combine the best of Zodiac® technology.

Thanks to the embedded cyclone suction, a patented Zodiac® technology, **the cleaning performance is maintained throughout the cleaning cycle**. They even capture the finest debris without filter clogging.

Separate from the filtration system, these Plug&Play devices trap debris in their own filter basket, making them stand-alone.



> TORNAX PRO, EFFICIENCY PURE & SIMPLE

The Tornax robotic cleaner guarantees **efficient cleaning** of your pool, completely autonomously, thanks to its smart movement and its rotating brush, which removes debris before collecting it. Tornax is the **lightest** (5.5 kg) of all the Zodiac® robotic cleaners. It is feather-light, meaning it is quick, easy and **effortless** to operate. Tornax is designed not only to be easy to use but also easy to maintain, as the filter can be accessed from the top so it can be rinsed without touching the debris.



> CYCLONX™ PRO, CONCENTRATED TECHNOLOGY

Robotic cleaners in the CyclonX[™] PRO range provide optimum cleaning of the pool, thanks to several pre-programmed cycles, a **Deep Clean** cycle to clean the pool floor and a one-hour **Quick Clean** program. Thanks to their large capacity filter (up to 3.7 L) and their wide suction inlets, all debris is collected. The filter can be easily cleaned using the **Push'n'Go™** function, a patented Zodiac[®] innovation that helps raise the filter basket handle with the push of a button.



> VOYAGER™, FULL ON AGILITY

With its patented cyclonic suction, VOYAGER™ range adapts to all pools and all coatings. Thanks to **embedded sensors** such as gyroscope or accelerometer, the robotic cleaner offers **excellent coverage of each pool**. Also remotely accessible via the iAqualink™ application. Its helical brushes, its **double filtration canister** (60 and 150 microns) and its large suction inlet of 23cm allow a thorough cleaning of all areas of the pool.



> VORTEX[™] PRO 4WD, ULTIMATE POWER IN A 4 X 4 VERSION

Robotic cleaners from the Vortex[™] PRO 4WD range are equipped with Zodiac[®] patented **extra-powerful and long-lasting suction**. Equipped with **4-wheel drive**, these robotic cleaners are truly all-terrain: they adapt to all kinds of surfaces, perfectly grip the walls and get over obstacles more easily. Most of Vortex[™] PRO 4WD robotic cleaners also come with **Lift System** technology, so they are lighter when being removed from water (20% less effort).



> ALPHA iQ™, ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

With its Sensor Nav SystemTM, the ALPHA iQ^{TM} range identifies the configuration of your pool **to optimise movements** and cleaning time. The patented cyclone suction garantees **extremely powerful and long-lasting suction**. Thanks to its patented **Lift System**, ALPHA iQ^{TM} is lighter when removing it from the water. Monitor cleaning progress at any time through the **intuitive interface** of the iAquaLinkTM application. ALPHA iQ^{TM} is **upgradeable** thanks to possible optimisations and automatic remote updates.





CYCLONIC SUCTION

Patented technology for powerful cleaning

> HOW DOES IT WORK?

Thanks to its unique design, Vortex cleaners feature **Cyclonic Suction**: the flow is **keeping debris in suspension inside the filter** and allows a longer lasting suction while **limiting the clogging.**

Robotic cleaners equipped with cyclonic suction can be found here: RE 4300, RE 4200, RE 4400 iQ, RE 4600 iQ, RV 5300, RV 5380, RA 6300 iQ, RA 6500 iQ, RA 6700 iQ, RA 6800 iQ and RA 6900 iQ





LIFT SYSTEM

Patented innovation for easier removal from the water

> 20% LESS EFFORT

The robotic cleaner positions itself on the chosen wall and cleans right up to the water line. Then a powerful waterjet propels it from the water: which means you can remove the robot from the water with just 20% of the effort.

Robotic cleaners equipped with Lift system:

RE 4600 iQ, RV 5380, RV 5600, RA 6300 iQ, RA 6500 iQ, RA 6700 iQ,

RA 6800 iQ and RA 6900 iQ





SENSOR NAV SYSTEM™

Smart navigation system for efficient and customized cleaning

> PERSONALISED CLEANING OF EACH POOL

Sensor Nav System[™] gathers different embedded features which enable the robotic cleaners to learn all about each pool and to adapt its cleaning in the smartest way.

- Recognition and analysis of the pool dimensions and shape to provide an optimized navigation pattern and cleaning time for each pool.
- Focusing on common dirty areas such as bottom of the walls or flat areas of the pool

Robotic cleaners equipped with Smart Nav system™: RA 6300 iQ, RA 6500 iQ, RA 6700 iQ, RA 6800 iQ and RA 6900 iQ





SWIVEL

Avoid cable tangling

> HOW DOES IT WORK?

Automatic swivel system prevents cable tangling during cleaner operation in the pool.

The cleaner efficiency is optimized and the cable storage is easier.

Robots equipped with Swivel: **RV 5380, RA 6300 iQ, RA 6500 iQ** , **RA 6700 iQ, RA 6800 iQ** and **RA 6900 iQ**





4-WHEEL DRIVE (4WD)

Effective cleaning of all surfaces

> GETTING OVER OBSTACLES MORE EASILY

Equipped with **4-wheel drive**, robots from the **Vortex[™] PRO 4WD** and **ALPHA** iQ[™] ranges adapt to all situations.

> OPTIMAL COVERAGE AND PERFECT GRIP

Thanks to their excellent grip, robots from the Vortex[™] **PRO 4WD** and **ALPHA iQ**[™] ranges get into the tiniest corners of the pool and clean **all kinds of surface**. The robots ensure **the pool is cleaned perfectly**.

Robotic cleaners equipped with 4 Wheel-drive: RV 5300, RV 5380, RA 6300 iQ, RA 6500 iQ, RA 6700 iQ, RA 6800 iQ and RA 6900 iO





DUAL STAGE FILTRATION

Finer filtration and long lasting suction

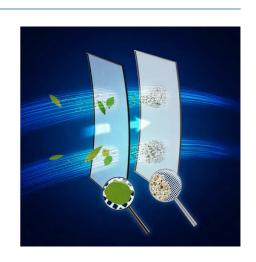
> 2 FILTERS FOR LONG LASTING SUCTION AND FINER DEBRIS PICK UP

These 2 combined filters offer a larger mesh surface that a standard filter which allows to postpone the clogging effects. This unique design also allows the ability to use the larger mesh filter alone, which can be very useful at the beginning of the season

> HOW DOES IT WORK?

2 imbricated filters : the dirty water flows through a coarse layer first (150 μ) and a finer one after (60 μ). The coarse filter will retain the larger debris and the finer one will then allow a finer filtration.

Robotic cleaners equipped with Dual-stage filtration: RE 4300, RE 4400 iQ, RE 4600 iQ, RA 6800 iQ and RA 6900 iQ





ELECTRIC CLEANERS

A stand-alone and efficient solution

	COMPARATIVE TABLE	RT 2100	RT 3200	RC 4380	RC 4400 RC 4402	RE 4200	RE 4300	RE 4400 iQ	RE 4600 iQ
	OF RANGES TECHNICAL SPECIFICATIONS								
	Surfaces	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *	Liner, reinforced PVC, painted concrete, polyester hull, Tiles: dedicated brushes kit	Liner, reinforced PVC, painted concrete, polyester hull, Tiles: dedicated brushes kit	Tiles, liner, polyester hull, reinforced PVC, painted concrete			
Types of pools	Shapes	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape
Type	Bottom	Flat, gentle slope, composite slope	Flat, gentle slope, composite slope	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape
	Size	8 x 4 m (14 m cable)	9 x 4 m (16,5m cable)	10 x 5 m (15 m cable)	12 x 6 m (18m cable)	10 x 5m (15m cable)	10 x 5m (15m cable)	12 x 6 m (18m cable)	12 x 6 m (18m cable)
	Traction	Tracks - 1 motor	Tracks - 1 motor	Tracks - 1 motor	Tracks - 1 motor	Tracks - 2 motors			
	Cleaning areas	Floor	Floor / walls	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline
	Cyclonic Suction	-	-	-	-	V	V	√	√
nance	Filtering level	100μ	100μ	100μ	100μ	100μ	526 cm ² 150/60µ	150/60µ	150/60µ
Performance	Filter capacity	3 L	3 L	3,7 L	3,7 L	4 L	4 L	4 L	4 L
<u>a</u>	Swivel	-	-	-	-	-	-	-	-
	Sensor Nav System™	-	-	-	-	-	-	-	-
	Remote control	-	-	-	-	-	-	-	√ via the app
	Type of brush	Standard	Standard	Standard	Standard	Helix shaped	Helix shaped	Helix shaped	Helix shaped
	Number of cycles	1	1	2	6	2	2	2	2
Cycles	Cleaning cycles	Floor	Floor / walls	Floor «Deep Clean» Floor / walls / waterline	Floor «Deep Clean» Floor / walls / waterline	Floor only Floor / walls / waterline	Floor only Floor / walls / waterline	Floor only Floor / walls / waterline	Floor only Floor / walls / waterline
	Manual cleaning time adjustment	-	-	-	J.	-	-	-	-
	iAqualink™ app control	-	-	-	-	-	-	J.	√
	Lift System	-	-	-	-	-	-	-	√
	7-day timer	-	-	-	-	-	-	-	-
nse	Full filter indicator	-	-	-	√	-	-	-	-
Ease of use	Transparent window	-	√	V	√	√	√	√	√
ш	Illuminated filter	-	-	-	-	-	-	√	√
	Type of filter	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister / Top access			
	Trolley	-	-	√	V	-	-	-	√
Advanced app features	Water temperature display	-	-	-	-	-	-	-	-
Advar	Spot cleaning mode	-	-	-	-	-	-	-	-
	Warranty	2 years	2 years	2 years	2 years	2 years	2 years	3 years**	3 years*

^{*}For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.

^{**2} years + 1 year if the cleaner is paired to iAqualink TM



	COMPARATIVE	RV 5300	RV 5380	RA 6300 iQ	RA 6500 iQ	RA 6700 iQ	RA 6800 iQ	RA 6900 iQ
	TABLE							
	OF RANGES		- F					
	TECHNICAL SPECIFICATIONS							
	Surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete
slood	Shapes	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape
Types of pools	Bottom	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape	Flat, gentle slope, composite slope, diamond shape
	Size	12 x 6 m (18m cable)	12 x 6 m (18m with Swivel cable)	12 x 6 m (18m with Swivel cable)	12 x 6 m (18m with Swivel cable)	15 x 7 m (21m with Swivel cable)	15 x 7 m (21m with Swivel cable)	20 x 10 m (25m with Swivel cable)
	Traction	4 wheel drive 2 motors	4 wheel drive 2 motors	4 wheel drive 2 motors	4 wheel drive 2 motors	4 wheel drive 2 motors	4 wheel drive 2 motors	4 wheel drive 2 motors
	Cleaning areas	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline
	Cyclonic Suction	J	V	√	√	√	V	√
ance	Filtering level	100μ	100μ	60μ	60μ	60µ	150 and 60µ	150 and 60µ
Performance	Filter capacity	5 L	5 L	5 L	5 L	5 L	5 L	5 L
A.	Swivel	J	V	√	√	√	V	√
	Sensor Nav System™	-	-	√	√	√	√	√
	Remote control	-	-	-	(with app)	(with app)	(with app)	(with app)
	Type of brush	Contact +	Contact +	Contact +	Contact +	Contact +	Contact +	Contact +
	Number of cycles	2	2	2	Multiple	Multiple	Multiple	Multiple
Cycles	, , , , , , , , , , , , , , , , , , , ,				Quick floor only	Quick floor only	Quick floor only	Multiple from 0h30 to 6h with preset cycles
Cycles	Cleaning cycles	Floor only Floor / walls / waterline	Floor only Floor / walls / waterline	Quick floor only Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Cycles	Cleaning cycles Manual cleaning time adjustment	Floor / walls /	Floor / walls /	Smart floor/ walls / waterline	Smart floor/ walls / waterline (calculated time) Ultra floor/ walls/	/ waterline (calculated time) Ultra floor / walls / waterline	walls / waterline (calculated time) Ultra floor / walls / waterline	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline
Cycles	Manual cleaning	Floor / walls /	Floor / walls / waterline	Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor/ walls/ waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Cycles	Manual cleaning time adjustment iAqualink™ app	Floor / walls /	Floor / walls / waterline	Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Cycles	Manual cleaning time adjustment iAqualink™ app control	Floor / walls /	Floor / walls / waterline - -	Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
	Manual cleaning time adjustment iAqualink™ app control Lift System	Floor / walls /	Floor / walls / waterline - -	Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer	Floor / walls / waterline	Floor / walls / waterline	Smart floor/walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Ease of use Cycles	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer Full filter indicator	Floor / walls / waterline	Floor / walls / waterline	Smart floor/ walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer Full filter indicator Transparent window	Floor / walls / waterline	Floor / walls / waterline	Smart floor/walls / waterline (calculated time)	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Ease of use	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer Full filter indicator Transparent window Illuminated filter	Floor / walls / waterline	Floor / walls / waterline	Smart floor/ walls / waterline (calculated time) - - - - - - - - - - - - -	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
Ease of use	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer Full filter indicator Transparent window Illuminated filter	Floor / walls / waterline Rigid Filter canister with access over the cleaner	Floor / walls / waterline	Smart floor/ walls / waterline (calculated time) - / / / Rigid Filter canister with access over the cleaner	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only
	Manual cleaning time adjustment iAqualink™ app control Lift System 7-day timer Full filter indicator Transparent window Illuminated filter Type of filter Trolley Water temperature	Floor / walls / waterline Rigid Filter canister with access over the cleaner	Floor / walls / waterline Rigid Filter canister with access over the cleaner	Smart floor/ walls / waterline (calculated time) - - - - - - - - - - - - -	Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	/ waterline (calculated time) Ultra floor / walls / waterline Waterline only	walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only

^{*** 3} years + 1 year if the cleaner is paired to iAqualink $^{\!\mathsf{TM}}$



TORNAX

Efficiency, pure and simple





Cleans the pool floor (RT 2100)



Cleans floor and walls (RT 3200)



Light for effortless handling



Easy-to-clean filter

	COMPARATIVE TABLE	RT 2100	RT 3200
	OF RANGES TECHNICAL SPECIFICATIONS		
sloc	Surfaces	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *
Types of pools	Shapes	Rectangular, oval, free shape	Rectangular, oval, free shape
Туре	Size	8 x 4 m (14 m cable)	9 x 4 m (16,5m cable)
	Traction	Tracks - 1 motor	Tracks - 1 motor
	Cleaning areas	Floor	Floor / walls
0	Cyclonic Suction	-	-
Performance	Filtering level	100μ	100μ
erfori	Filter capacity	3 L	3 L
	Swivel	-	-
	Sensor Nav System™	-	-
	Remote control	-	-
	Number of cycles	1	1
Cycles	Cleaning cycles	Floor	Floor / walls
O	Manual cleaning time adjustment	-	-
	iAqualink™ app control	-	-
	Lift System	-	-
	7-day timer	-	-
of use	Full filter indicator	-	-
Ease of use	Transparent window	-	✓
	Illuminated filter	-	-
	Type of filter	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner
	Trolley	-	-
	Warranty	2 years	2 years

 $^{^{*}}$ For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.





ELECTRIC CLEANERS

RT 2100 - TORNAX PRO



EFFICIENCY, PURE AND SIMPLE

- + Efficient floor cleaning
- + Lightweight for effortless handling
- + Easy clean filter



REFERENCE PRICE	
Standard Model	WR000092

Number of motors

ACCESSORIES INCLUDED IN THE PACK Control box Fine Filter canister 100µ Control box base

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 8 x 4 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope	
Pool surfaces	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *	

DESCRIPTION	
Cleaning areas	Floor
Number / Length of cleaning cycles	1 cycle - Floor : 2h30
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	Tracks - 1 motor
Transmission	Gear transmission
Brushes	Yes
Transparent window	No
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	36

Control box supply	100-240 VAC ; 50 / 60 Hz
Power supply	30 VDC
Operating power	100 W
Cable length / Hose length	14 m
Cleaner size (L x W x h)	37 x 29 x 30 cm
Packaging size (L x W x h)	56 x 37 x 38 cm
Cleaner weight	5,5 kg
Packaging weight	10 kg
Filtering surface and level	480 cm ² / 100μ
Filtering capacity	3 L
Inlet suction size	17 cm

OPTIONAL ACCESSORIES (NOT INCLUDED)				
Ultra-fine filter canister 60µ	Fine filter canister 100µ	Large debris filter canister 200µ	Trolley	Special tile brush (unit)
R0763100	R0762900	R0763000	R0767600	R0774900

^{*}For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.





ELECTRIC CLEANERS

RT 3200 - TORNAX PRO



EFFICIENCY, PURE AND SIMPLE

- + Efficient floor and walls cleaning
- + Lightweight for effortless handling
- + Easy clean filter



REFERENCE PRICE	
Standard Model	WR000093

ACCESSORIES INCLUDED IN THE PACK		
Control box	Fine Filter canister 100µ	Control box base

FOR WHICH TYPE OF POOLS?			
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 9 x 4		
Pool shapes	Rectangular, oval, free shape		
All Floors	Flat, gentle slope, composite slope		
Pool surfaces	Liner, polyester hull, reinforced PVC, painted concrete, Tiles *		

DESCRIPTION				
Cleaning areas	Floor / walls			
Number / Length of cleaning cycles	1 cycle - Floor / walls : 3h			
Power supply	Autonomous, connected to 230V mains supply before the transformer			
Steering	Pre-programmed			
Drive system	Tracks - 1 motor			
Transmission	Gear transmission			
Brushes	Yes			
Transparent window	Yes			
Safety	Deck system, out of water safety, diagnostic, electronic motor protector			
Filtration system / access	Rigid Filter canister with access over the cleaner			
Units / pallet	36			

TECHNICAL SPECIFICATIONS				
Number of motors	2			
Control box supply	100-240 VAC ; 50 / 60 Hz			
Power supply	30 VDC			
Operating power	100 W			
Cable length / Hose length	16,5m			
Cleaner size (L x W x h)	37 x 29 x 30 cm			
Packaging size (L x W x h)	56 x 37 x 38 cm			
Cleaner weight	5,5 kg			
Packaging weight	11 kg			
Filtering surface and level	$480 \text{ cm}^2 / 100 \mu$			
Filtering capacity	3 L			
Inlet suction size	17 cm			

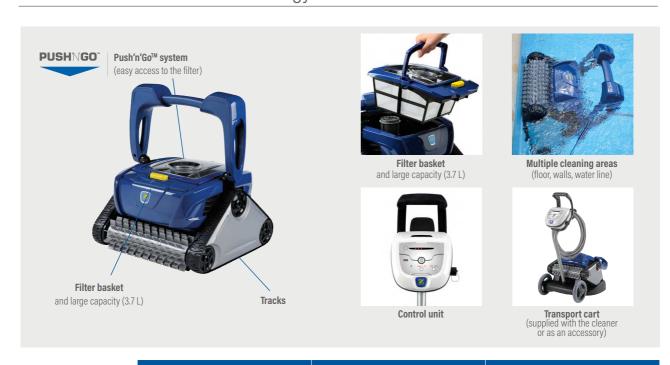
OPTIONAL ACCESSORIES (NOT INCLUDED)					
Ultra-fine filter canister 60µ	Fine filter canister 100µ	Large debris filter canister 200µ	Trolley	Special tile brush (unit)	
R0763100	R0762900	R0763000	R0767600	R0774900	

^{*}For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.



CYCLONIXTM

The essentials of Zodiac® technology



	COMPARATIVE	RC 4380	RC 4400	RC 4402
TABLE OF RANGES TECHNICAL SPECIFICATIONS				
sloc	Surfaces	Liner, reinforced PVC, painted concrete, polyester hull, Tiles: dedicated brushes kit	Liner, reinforced PVC, painted concrete , polyester hull, Tiles : dedicated brushes kit	Slippery surfaces (polyester hull, tile)
Types of pools	Shapes	Rectangular, oval, free shape	Rectangular, oval, free shape	Rectangular, oval, free shape
Туре	Size	10 x 5 m (15 m cable)	12 x 6 m (18m cable)	12 x 6 m (18m cable)
	Traction	Tracks - 1 motor	Tracks - 1 motor	Tracks - 1 motor
	Cleaning areas	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline
	Cyclonic Suction	-	-	-
nce	Filtering level	100μ	100μ	100μ
Performance	Filter capacity	3,7 L	3,7 L	3,7 L
Per	Swivel	-	-	-
	Sensor Nav System™	-	-	-
	Remote control	-	-	-
	Type of brush	Standard	Standard	Standard
	Number of cycles	2	6	6
Cycles	Cleaning cycles	Floor «Deep Clean» Floor / walls / waterline	Floor «Deep Clean» Floor / walls / waterline	Floor «Deep Clean» Floor / walls / waterline
J	Manual cleaning time adjustment	-	-	✓
	iAqualink™ app control	-	-	-
	Lift System	-	-	-
0	7-day timer	-	-	-
Ease of use	Full filter indicator	-	✓	✓.
	Transparent window	✓.	✓	✓.
	Illuminated filter	-	-	-
	Type of filter	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner
	Trolley	✓.	✓	V
	Warranty	2 years	2 years	2 years





RC 4380 - CYCLONX™ PRO



CONCENTRATED TECHNOLOGY

- + Optimal cleaning for the floor/walls/water line
- + Large suction capacity
- + Filter access at the push of a button





REFERENCE PRICE

Standard Model WR000240

ACCESSORIES INCLUDED IN THE PACK







Control box

Fine Filter canister 100µ

Control box base

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Liner, reinforced PVC, painted concrete, polyester hull, Tiles: dedicated brushes kit	

DESCRIPTION				
Cleaning areas	Floor / walls / waterline			
Number / Length of cleaning cycles	2 cycles : - Floor «Deep Clean» : 1h30 - Floor / walls / waterline : 1h30			
Power supply	Autonomous, connected to 230V mains supply before the transformer			
Steering	Pre-programmed			
Drive system	Tracks - 1 motor			
Transmission	Gear transmission			
Brushes	Yes			
Lift System	no			
Transparent window	Yes			
Full filter indicator	No			
Remote control	No			
Safety	Deck system, out of water safety, diagnostic, electronic motor protector			
Filtration system / access	Rigid Filter canister with access over the cleaner			
Units / pallet	20			

OPTIONAL ACCESSORIES (NOT INCLUDED)						
Ultra-fine filter canister 60µ	Large debris filter canister 200µ	Fine filter canister 100µ	Protective cover	Trolley	Kit for polyester hull pools (2 brushes)	Kit for slippery surfaces (2 brushes)
R0632602	R0632601	R0632600	R0568100	R0639500	R0697600	R0718600

TECHNICAL SPECIFICATIONS			
Number of motors	2		
Control box supply	200-240 VAC ; 50 / 60 Hz		
Power supply	30 VDC		
Operating power	150 W		
Cable length / Hose length	15 m		
Cleaner size (L x W x h)	41 x 42 x 28 cm		
Packaging size (L x W x h)	56 x 56 x 38 cm		
Cleaner weight	9 kg		
Packaging weight	17,1 kg		
Filtering surface and level	850 cm ² / 100μ		
Filtering capacity	3,7 L		
Inlet suction size	22 cm		





RC 4400 - CYCLONX™ PRO



CONCENTRATED TECHNOLOGY

- + Optimal cleaning for the floor/walls/water line
- + Large suction capacity
- + Filter access at the push of a button



REFERENCE PRICE			
Standard Model	WR000021		

ACCESSORIES INCLUDED IN THE PACK		
Trolley	Control box	Fine Filter canister 100µ

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Liner, reinforced PVC, painted concrete, polyester hull, Tiles: dedicated brushes kit	

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	6 cycles : - Floor «Deep Clean» : 1h, 1h30, 2h - Floor / walls / waterline : 1h, 1h30, 2h	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	Tracks - 1 motor	
Transmission	Gear transmission	
Brushes	Yes	
Lift System	no	
Transparent window	Yes	
Full filter indicator	Yes	
Remote control	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister with access over the cleaner	
Units / pallet	16	

OPTIONAL ACCESSORIES (NOT INCLUDED)					
Ultra-fine filter canister 60µ	Large debris filter canister 200µ	Fine filter canister 100µ	Protective cover	Kit for polyester hull pools (2 brushes)	Kit for slippery surfaces (2 brushes)
R0632602	R0632601	R0632600	R0568100	R0697600	R0718600

TECHNICAL SPECIFICATIONS		
Number of motors	2	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	18m	
Cleaner size (L x W x h)	41 x 42 x 28 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	9,5 kg	
Packaging weight	19,1 kg	
Filtering surface and level	850 cm ² / 100μ	
Filtering capacity	3,7 L	
Inlet suction size	22 cm	





RC 4402 - CYCLONXTM PRO



CONCENTRATED TECHNOLOGY

- + Adapted for pools with slippery surfaces (polyester hull, tile)
- + Optimal cleaning for the floor/walls/water line
- + Large suction capacity
- + Filter access at the push of a button



REFERENCE PRICE

Standard Model	WR000239

ACCESSORIES INCLUDED IN THE PACK







Trolley

Control box

Fine Filter canister 100µ

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Slippery surfaces (polyester hull, tile)

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	6 cycles : - Floor «Deep Clean» : 1h, 1h30, 2h - Floor / walls / waterline : 1h, 1h30, 2h	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	Tracks - 1 motor	
Transmission	Gear transmission	
Brushes	Yes	
Lift System	no	
Transparent window	Yes	
Full filter indicator	Yes	
Remote control	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister with access over the cleaner	
Units / pallet	16	

TECHNICAL SPECIFICATIONS		
Number of motors 2		
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	18m	
Cleaner size (L x W x h)	41 x 42 x 28 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	9,5 kg	
Packaging weight	19,1 kg	
Filtering surface and level	850 cm ² / 100μ	
Filtering capacity	3,7 L	
Inlet suction size	22 cm	

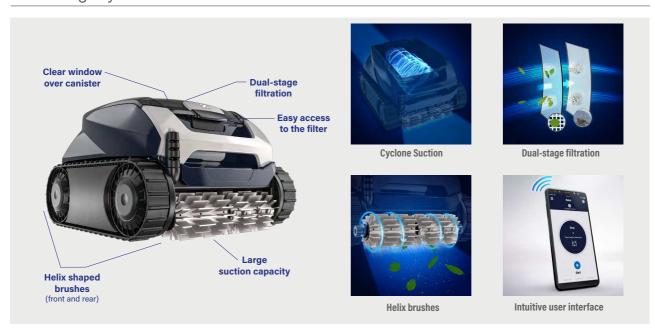
OPTIONAL ACCE	SSORIES (NOT INC	LUDED)	
Ultra-fine filter canister 60µ	Large debris filter canister 200µ	Fine filter canister 100µ	Protective cover
R0632602	R0632601	R0632600	R0568100



RE 4600 iQ

VOYAGERTM

Full on agility



RE 4300

RE 4400 iQ

RE 4200

COMPARATIVE

	TABLE OF RANGES TECHNICAL SPECIFICATIONS				
(0)	Surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete
pool	Shapes	Rectangular, oval, free shape			
Types of pools	Bottom	Flat, gentle slope, composite slope, diamond shape			
	Size	10 x 5m (15m cable)	10 x 5m (15m cable)	12 x 6 m (18m cable)	12 x 6 m (18m cable)
	Traction	Tracks - 2 motors			
	Cleaning areas	Floor / walls / waterline			
	Cyclonic Suction	✓	✓	✓	✓
Performance	Filtering level	100μ	526 cm² 150/60μ	150/60µ	150/60µ
rforn	Filter capacity	4 L	4 L	4 L	4 L
Pe	Swivel	-	-	-	-
	Sensor Nav System™	-	-	-	-
	Remote control	-	-	-	√ via the app
	Type of brush	Helix shaped	Helix shaped	Helix shaped	Helix shaped
	Number of cycles	2	2	2	2
Cycles	Cleaning cycles	Floor only Floor / walls / waterline			
	Manual cleaning time adjustment	-	-	-	-
	iAqualink™ app control	-	-	V	✓
	Lift System	-	-	-	✓
	7-day timer	-	-	-	-
Ease of use	Full filter indicator	-	-	-	-
se of	Transparent window	V	√ v	√	✓
Ea	Illuminated filter	-	-	✓	✓
	Type of filter	Rigid Filter canister / Top access	Rigid Filter canister / Top access	Rigid Filter canister / Top access	Rigid Filter canister / Top access
	Trolley	-	-	-	✓
Advanced app features	Water temperature display	-		-	-
Adva a feat	Spot cleaning mode	-		-	-
	Warranty	2 years		3 years*	3 years*

^{*2} years + 1 year if the cleaner is paired to iAqualink $^{\!\text{TM}}$





RE 4200 - VOYAGERTM



FULL ON AGILITY

- + Optimal cleaning performance : Patented cyclonic suction / Helix shaped brushes / Large suction capacity
- + Integrated agility: Designed to work in all pool shapes or surfaces / Tracks / accelerometer & gyroscope sensors
- + Ease of use: Top access filter / transparent window





REFERENCE PRICE	
Standard Model	WR000331

ACCESSORIES INCLUDED IN THE PACK







Control box

Fine Filter canister 100µ

Control box base

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30
Timer	No
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	Tracks - 2 motors
Transmission	Gear transmission
Pressure sensor	No
Brushes	Yes - front brushes
Lift System	No
Transparent window	Yes
Full filter indicator	No
Remote control	No
Water temperature measurement	No
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister / Top access
Units / pallet	20

Ullits / pallet			20	
OPTIONAL A	CCESSORIES (N	OT INCLUDED)		
Main canister 200µ for single filter	Main canister 150µ for dual stage filter	Over canister 60µ for dual stage filter	Protective cover	Trolley
R0897700	R0897600	R0898100	R0568100	R0639500

TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	15m	
Cleaner size (L x W x h)	43 x 40 x 30 cm	
Packaging size (L x W x h)	56 x 56 x 37 cm	
Cleaner weight	8 kg	
Packaging weight	14kg	
Filtering surface and level	526 cm ² / 100μ	
Filtering capacity	4L	
Inlet suction size	23 cm	





RE 4300 - VOYAGER™







FULL ON AGILITY

- + Optimal cleaning performance : Patented cyclonic suction / Helix shaped brushes / Progressive dual stage filtration 150/60µ
- + Integrated agility: Designed to work in all pool shapes or surfaces / Tracks / accelerometer & gyroscope sensors
- + Ease of use: Top access filter / transparent window





REFERENCE PRICE	
Standard Model	WR000449
Ex. VAT Price	\$Price
Eco-part	\$EcoPart

ACCESSORIES INCLUDED IN THE PACK







Control box

Dual Filter canister 60µ / 150µ

Control box base

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30
Cleaning cycles	2
Timer	No
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	Tracks - 2 motors
Transmission	Gear transmission
Pressure sensor	No
Brushes	Yes - front brushes
Lift System	No
Transparent window	Yes
Full filter indicator	No
Remote control	No
Water temperature measurement	No
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister / Top access
Units / pallet	20

OPTIONAL ACCESSORIES (NOT INCLUDED)			
Main canister 100µ for single filter	Main canister 200µ for single filter	Protective cover	Trolley
R0897500	R0897700	R0568100	R0639500

TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	15m	
Cleaner size (L x W x h)	43 x 40 x 30 cm	
Packaging size (L x W x h)	56 x 56 x 37 cm	
Cleaner weight	8 kg	
Packaging weight	14kg	
Filtering surface and level	526 cm² 150/60μ	
Filtering capacity	4L	
Inlet suction size	23 cm	







RE 4400 iQ - VOYAGER™





- + Optimal cleaning performance : Patented cyclonic suction / Helix shaped brushes / progressive dual stage filtration 150/60µ
- + Integrated agility: Designed to work in all pool shapes or surfaces / Tracks / accelerometer & gyroscope sensors
- + Control via iAqualink™ app : basic features
- + Ease of use: Top access filter / transparent window









WR000327

ACCESSORIES INCLUDED IN THE PACK















Free app

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls,	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30	
Timer	No	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	Tracks - 2 motors	
Transmission	Gear transmission	
Pressure sensor	No	
Brushes	Yes - front and rear brushes	
Lift System	No	
Transparent window	Yes	
Full filter indicator	No	
Remote control	No	
Water temperature measurement	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister / Top access	
Units / pallet	20	

OPTIONAL ACCESSORIES (NOT INCLUDED)			
Main canister 100µ for single filter	Main canister 200µ for single filter	Protective cover	Trolley
R0897500	R0897700	R0568100	R0639500

* 2 years + 1 year if	the cleaner is	paired to	iAqualink™
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TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	18m	
Cleaner size (L x W x h)	43 x 40 x 30 cm	
Packaging size (L x W x h)	56 x 56 x 37 cm	
Cleaner weight	8 kg	
Packaging weight	14kg	
Filtering surface and level	1066 cm² 150/60μ	
Filtering capacity	4L	
Inlet suction size	23 cm	



RE 4600 iQ - VOYAGER™















FULL ON AGILITY

- + Optimal cleaning performance : Patented cyclonic suction / Helix shaped brushes / progressive dual stage filtration $150/60\mu$
- + Integrated agility: Designed to work in all pool shapes or surfaces / Tracks / accelerometer & gyroscope sensors
- + Control via iAqualink™ app: advanced features
- + Ease of use: Top access filter / transparent window / trolley

REFERENCE PRICE	
Standard Model	WR000323
Ex. VAT Price	\$Price









Trolley Control box Dual Filter canister 60µ and 150µ

Number of motors

TECHNICAL SPECIFICATIONS

Free app

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30	
Timer	No	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	Tracks - 2 motors	
Transmission	Gear transmission	
Pressure sensor	No	
Brushes	Yes - front and rear brushes	
Lift System	Yes	
Transparent window	Yes	
Full filter indicator	No	
Remote control	Yes via the app	
Water temperature measurement	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister / Top access	
Units / pallet	16	

OPTIONAL ACCESSORIES (NOT INCLUDED)		
Main canister 100μ for single filter Main canister 200μ for single filter Protective cover		
R0897500	R0897700	R0568100

^{* 2} years + 1 year if the cleaner is paired to iAqualink™

Control box supply	200-240 VAC ; 50 / 60 Hz
Power supply	30 VDC
Operating power	150 W
Cable length / Hose length	18m
Cleaner size (L x W x h)	43 x 40 x 30 cm
Packaging size (L x W x h)	56 x 56 x 47 cm
Cleaner weight	8 kg
Packaging weight	15 kg
Filtering surface and level	1066 cm² 150/60μ
Filtering capacity	4L
Inlet suction size	23 cm



VORTEX™ 4WD RANGE

Ultimate power



COMPARATIVE		RV 5300	RV 5380	
	TABLE OF RANGES TECHNICAL SPECIFICATIONS			
slo	Surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	Tiles, liner, polyester hull, reinforced PVC, painted concrete	
of po	Shapes	Rectangular, oval, free shape	Rectangular, oval, free shape	
Types of pools	Size	12 x 6 m (18m cable)	12 x 6 m (18m with Swivel cable)	
	Traction	4 wheel drive - 2 motors	4 wheel drive - 2 motors	
	Cleaning areas	Floor / walls / waterline	Floor / walls / waterline	
	Cyclonic Suction	✓	✓	
ance	Filtering level	100μ	100μ	
Performance	Filter capacity	5 L	5 L	
Perf	Swivel	✓	✓	
	Sensor Nav System™	-	-	
	Remote control	-	-	
	Type of brush	Contact +	Contact +	
	Number of cycles	2	2	
Cycles	Cleaning cycles	Floor only Floor / walls / waterline	Floor only Floor / walls / waterline	
O	Manual cleaning time adjustment	-	-	
	iAqualink™ app control	-	-	
	Lift System	-	✓	
d)	7-day timer	-	-	
Ease of use	Full filter indicator	✓	✓	
ase (Transparent window	-	-	
Ш	Illuminated filter	-	-	
	Type of filter	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	
	Trolley	✓	✓	
	Warranty	3 years	3 years	





RV 5300 - VORTEX™ PRO 4WD



ULTIMATE POWER IN 4X4

- + Ultra-powerful & long lasting suction
- + All-terrain cleaner
- + Extra large suction capacity





REFERENCE PRICE

Standard Model WR000161

ACCESSORIES INCLUDED IN THE PACK









Trollev

Control box

Fine Filter canister 100µ

Contact + Brushes

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	4 wheel drive - 2 motors	
Transmission	Gear transmission	
Brushes	Yes (Contact + Brushes)	
Lift System	No	
Full filter indicator	Yes	
Remote control	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister with access over the cleaner	
Units / pallet	16	

OPTIONAL ACCESSORIES (NOT INCLUDED)			
Ultra-fine filter canister 60µ	Fine filter canister 100µ	Large debris filter canister 200µ	Protective cover
R0863500	R0863600	R0863700	R0568100

TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	18m	
Cleaner size (L x W x h)	43 x 48 x 27 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	9,5 kg	
Packaging weight	21 kg	
Filtering surface and level	1180 cm ² / 100μ	
Filtering capacity	5 L	
Inlet suction size	24,5 cm	





RV 5380 - VORTEX™ PRO 4WD



ULTIMATE POWER IN 4X4

- + Ultra-powerful & long lasting suction
- + All-terrain cleaner
- + Effortless removal from the water
- + Extra large suction capacity









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Standard Model

WR000225



ACCESSORIES INCLUDED IN THE PACK













Fine Filter canister 100µ

Contact + Brushes

Swivel

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION		
Cleaning areas	Floor / walls / waterline	
Number / Length of cleaning cycles	2 cycles : - Floor only : 1h30 - Floor / walls / waterline : 2h30	
Power supply	Autonomous, connected to 230V mains supply before the transformer	
Steering	Pre-programmed	
Drive system	4 wheel drive - 2 motors	
Transmission	Gear transmission	
Brushes	Yes (Contact + Brushes)	
Lift System	Yes	
Full filter indicator	Yes	
Remote control	No	
Safety	Deck system, out of water safety, diagnostic, electronic motor protector	
Filtration system / access	Rigid Filter canister with access over the cleaner	
Units / pallet	16	

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TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	18m with Swivel	
Cleaner size (L x W x h)	43 x 48 x 27 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	9,5 kg	
Packaging weight	21 kg	
Filtering surface and level	1180 cm ² / 100μ	
Filtering capacity	5 L	
Inlet suction size	24,5 cm	

OPTIONAL ACCESSORIES (NOT INCLUDED)				
Ultra-fine filter canister 60µ	Fine filter canister 100µ	Large debris filter canister 200µ	Protective cover	
R0863500	R0863600	R0863700	R0568100	



ALPHA IQ™ PRO

Ultra-efficiency combined with intelligence





ALPHA IQ™ PRO

Ultra-efficiency combined with intelligence





Personalised cleaning Sensor Nav Sytem™



Patented Cyclone suction



Lift System: Easy-to-use and lighter removal from the water



Intuitive Wi-Fi connected control

	COMPARATIVE	RA 6300 iQ	RA 6500 iQ	RA 6700 iQ	RA 6800 iQ	RA 6900 iQ
	TABLE OF RANGES TECHNICAL SPECIFICATIONS					
slo	Surfaces	Tiles, liner, polyester hull,	Tiles, liner, polyester hull,	Tiles, liner, polyester hull,	Tiles, liner, polyester hull,	Tiles, liner, polyester hull,
bod Ja	Shapes	reinforced PVC, painted concrete Rectangular, oval, free shape	reinforced PVC, painted concrete Rectangular, oval, free shape	reinforced PVC, painted concrete Rectangular, oval, free shape	reinforced PVC, painted concrete Rectangular, oval, free shape	reinforced PVC, painted concrete Rectangular, oval, free shape
Types of pools	Size	12 x 6 m (18m with Swivel cable)	12 x 6 m (18m with Swivel cable)	15 x 7 m (21m with Swivel cable)	15 x 7 m (21m with Swivel cable)	20 x 10 m (25m with Swivel cable)
	Traction	4 wheel drive - 2 motors	4 wheel drive - 2 motors	4 wheel drive - 2 motors	4 wheel drive - 2 motors	4 wheel drive - 2 motors
	Cleaning areas	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline	Floor / walls / waterline
	Cyclonic Suction	✓	√	V	✓	√
O	Filtering level	60μ	60µ	60µ	150 and 60µ	150 and 60µ
Performance	Filter capacity	5 L	5 L	5 L	5 L	5 L
rforr	Swivel	√	√	V	✓	√
Pe	Sensor Nav System™	✓	✓	√	✓	✓
	Remote control	-	(with app)	(with app)	(with app)	(with app)
	Pressure Sensor	-	√	V	✓	√
	Type of brush	Contact +	Contact +	Contact +	Contact +	Contact +
	Number of cycles	2	Multiple	Multiple	Multiple	Multiple
Cycles	Cleaning cycles	Quick floor only Smart floor/ walls / waterline (calculated time)	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor / walls / waterline Waterline only	Multiple from 0h30 to 6h with preset cycles Quick floor only Smart floor/ walls / waterline (calculated time) Ultra floor/ walls / waterline Waterline only
	Manual cleaning time adjustment	-	v	v	√	√
	iAqualink™ app control	√	v	v	√	✓
	Lift System	✓	✓	√	✓	✓
ø	7-day timer	-	✓	✓	✓	✓
Ease of use	Full filter indicator	√	√	√	✓	✓
ase	Transparent window	✓	✓	✓	✓	✓
	Illuminated filter	√	✓	√	√	✓
	Type of filter	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner	Rigid Filter canister with access over the cleaner
	Trolley	J	J	J	V	√
Advanced app features	Water temperature display	-	-	√ (info in app)	√ (info in app)	√ (info in app)
Adva app fe	Spot cleaning mode	-	<u>-</u>	V	√	√
	Warranty	4 years**	4 years**	4 years**	4 years**	4 years**

^{* 3} years + 1 year if the cleaner is paired to iAqualink $^{\!\mathsf{TM}}$





RA 6300 iQ - ALPHA iQ™ PRO





ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

- + Sensor Nav Sytem™: intelligent and personalised cleaning
- + Ultra-powerful & long lasting suction
- + Effortless removal from water
- + Wi-fi connected: intuitive interface and advanced functionalities in app from everywhere

















Standard Model

WR000199





Control box









200-240 VAC; 50 / 60 Hz 30 VDC

150 W

18m with Swivel

43 x 48 x 27 cm

56 x 56 x 46 cm

10 kg

19,7 kg 1180 cm² / 60μ

5 L

24,5 cm

Trolley

Ultra-Fine Filter canister 60µ

Contact + Brushes

Number of motors Control box supply

Power supply

Operating power Cable length / Hose length

Cleaner weight

Packaging weight

Inlet suction size

Cleaner size (L x W x h)

Packaging size (L x W x h)

Filtering surface and level Filtering capacity

Swivel Free app

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	2 cycles - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time)
Timer	No
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	4 wheel drive - 2 motors
Transmission	Gear transmission
Pressure sensor	No
Brushes	Yes (Contact + Brushes)
Lift System	Yes
Transparent window	Yes
Full filter indicator	Yes
Remote control	No
Water temperature measurement	No
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	16

OPTIONAL ACCESSORIES (NOT INCLUDED)			
$ \begin{array}{c cccc} \text{Ultra-fine filter canister} & \text{Fine filter canister} & \text{Large debris filter canister} \\ 60\mu & 100\mu & 200\mu & \end{array} \text{Protective cover} $			
R0863500	R0863600	R0863700	R0568100

^{* 3} years + 1 year if the cleaner is paired to $iAqualink^{TM}$





RA 6500 iQ - ALPHA iQ™ PRO

















ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

- + Sensor Nav Sytem™: intelligent and personalised cleaning
- + Ultra-powerful & long lasting suction
- + Effortless removal from water
- + Wi-fi connected : intuitive interface and advanced functionalities in app from everywhere

Standard Model WR000198











TECHNICAL SPECIFICATIONS



Trolley

Control box

Ultra-Fine Filter canister 60µ

Contact + Brushes

Swivel Free app

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	Multiple from 0h30 to 3h30 with preset cycles: - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45)
Timer	7-days
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	4 wheel drive - 2 motors
Transmission	Gear transmission
Pressure sensor	Yes
Brushes	Yes (Contact + Brushes)
Lift System	Yes
Transparent window	Yes
Full filter indicator	Yes
Remote control	Remote control mode (with app)
Water temperature measurement	No
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	16

OPTIONAL ACCESSORIES (NOT INCLUDED)				
Ultra-fine filter canister 60µ	Protective cover			
R0863500	R0863600	R0863700	R0568100	

Number of motors	3
Control box supply	200-240 VAC ; 50 / 60 Hz
Power supply	30 VDC
Operating power	150 W
Cable length / Hose length	18m with Swivel
Cleaner size (L x W x h)	43 x 48 x 27 cm
Packaging size (L x W x h)	56 x 56 x 46 cm
Cleaner weight	10 kg
Packaging weight	19,9 kg
Filtering surface and level	1180 cm ² / 60µ
Filtering capacity	5 L
Inlet suction size	24,5 cm





RA 6700 iQ - ALPHA iQ™ PRO





ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

- + Sensor Nav Sytem™: intelligent and personalised cleaning
- + Ultra-powerful & long lasting suction
- + Effortless removal from water
- + Wi-fi connected: intuitive interface and advanced functionalities in app from everywhere















Standard Model WR000197













Trolley

Control box

Ultra-Fine Filter canister 60µ

Contact + Brushes

Swivel Free app

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 15 x 7 m	
Pool shapes	Rectangular, oval, free shape	
All Floors	Flat, gentle slope, composite slope, diamond shape	
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete	

DESCRIPTION			
Cleaning areas	Floor / walls / waterline		
Number / Length of cleaning cycles	Multiple from 0h30 to 3h30 with preset cycles: - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45) - Waterline only: 0h45		
Timer	7-days		
Power supply	Autonomous, connected to 230V mains supply before the transformer		
Steering	Pre-programmed		
Drive system	4 wheel drive - 2 motors		
Transmission	Gear transmission		
Pressure sensor	Yes		
Brushes	Yes (Contact + Brushes)		
Lift System	Yes		
Transparent window	Yes		
Full filter indicator	Yes		
Remote control	Remote control mode (with app)		
Water temperature measurement	Yes (info in app)		
Safety	Deck system, out of water safety, diagnostic, electronic motor protector		
Filtration system / access	Rigid Filter canister with access over the cleaner		
Units / pallet	16		

OPTIONAL ACCESSORIES (NOT INCLUDED)				
Ultra-fine filter canister 60µ	Fine filter canister 100µ	Large debris filter canister 200µ	Protective cover	
R0863500	R0863600	R0863700	R0568100	

^{* 3} years + 1 year if the cleaner is paired to iAqualink™

TECHNICAL SPECIFICATIONS		
Number of motors	3	
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	21m with Swivel	
Cleaner size (L x W x h)	43 x 48 x 27 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	10 kg	
Packaging weight	20,2 kg	
Filtering surface and level	1180 cm ² / 60µ	
Filtering capacity	5 L	
Inlet suction size	24,5 cm	





RA 6800 iQ - ALPHA iQ™ PRO





- + Sensor Nav Sytem™: intelligent and personalised cleanin
- + Ultra-powerful & long lasting suction
- + Dual-Stage filtration
- + Effortless removal from water
- + Wi-fi connected: intuitive interface and advanced functionalities in app from everywhere

















Standard Model WR000295

ACCESSORIES INCLUDED IN THE PACK













Trolley

Control box

Dual-Stage filter 150 + 60μ (with possibility to use 150μ alone)

Contact + Brushes

Swivel

Free app

FOR WHICH TYPE OF POOLS?	?
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 15 x 7 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	Multiple from 0h30 to 3h30 with preset cycles: - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45) - Waterline only: 0h45
Timer	7-days
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	4 wheel drive - 2 motors
Transmission	Gear transmission
Pressure sensor	Yes
Brushes	Yes (Contact + Brushes)
Lift System	Yes
Transparent window	Yes
Full filter indicator	Yes
Remote control	Remote control mode (with app)
Water temperature measurement	Yes (info in app)
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	16

TECHNICAL SPECIFICATIONS		
Number of motors 3		
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	21m with Swivel	
Cleaner size (L x W x h)	43 x 48 x 27 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	10 kg	
Packaging weight	20,5 kg	
Filtering surface and level	1827 cm ² / 150 and 60μ	
Filtering capacity	5 L	
Inlet suction size	24,5 cm	

OPTIONAL ACCESS	ORIES (NOT INCL	.UDED)			
Coarse filter 150µ for stand alone or Dual-Stage use	Ultra-fine filter 60µ for Dual-Stage use	Fine filter canister 100µ	Large debris filter canister 200µ	Ultra-fine filter canister 60µ	Protective cover
R0913300	R0913400	R0863600	R0863700	R0863500	R0568100

^{* 3} years + 1 year if the cleaner is paired to $iAqualink^{TM}$







RA 6900 iQ - ALPHA iQ™ PRO





- + Sensor Nav Sytem™: intelligent and personalised cleaning
- + Ultra-powerful & long lasting suction
- + Dual-Stage filtration
- + Effortless removal from water
- + Wi-fi connected: intuitive interface and advanced functionalities in app from everywhere





PATENTED LIFT SYSTEM











Standard Model WR000296













Trolley

Control box

Dual-Stage filter 150 + 60μ (with possibility to use 150μ alone)

Contact + Brushes

Swivel

Free app

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 20 x 10 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope, diamond shape
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor / walls / waterline
Number / Length of cleaning cycles	Multiple from 0h30 to 6h with preset cycles: - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45) - Waterline only: 0h45
Timer	7-days
Power supply	Autonomous, connected to 230V mains supply before the transformer
Steering	Pre-programmed
Drive system	4 wheel drive - 2 motors
Transmission	Gear transmission
Pressure sensor	Yes
Brushes	Yes (Contact + Brushes)
Lift System	Yes
Transparent window	Yes
Full filter indicator	Yes
Remote control	Remote control mode (with app)
Water temperature measurement	Yes (info in app)
Safety	Deck system, out of water safety, diagnostic, electronic motor protector
Filtration system / access	Rigid Filter canister with access over the cleaner
Units / pallet	16

TECHNICAL SPECIFICATIONS		
Number of motors 3		
Control box supply	200-240 VAC ; 50 / 60 Hz	
Power supply	30 VDC	
Operating power	150 W	
Cable length / Hose length	25m with Swivel	
Cleaner size (L x W x h)	43 x 48 x 27 cm	
Packaging size (L x W x h)	56 x 56 x 46 cm	
Cleaner weight	10 kg	
Packaging weight	20,9 kg	
Filtering surface and level	1827 cm ² / 150 and 60μ	
Filtering capacity	5 L	
Inlet suction size	24,5 cm	

OPTIONAL ACCESS	ORIES (NOT INCL	LUDED)			
Coarse filter 150µ for stand alone or Dual-Stage use	Ultra-fine filter 60µ for Dual-Stage use	Fine filter canister 100µ	Large debris filter canister 200µ	Ultra-fine filter canister 60µ	Protective cover
R0913300	R0913400	R0863600	R0863700	R0863500	R0568100

^{* 3} years + 1 year if the cleaner is paired to iAqualink™



DIAGNOSTIC TOOLS

DIAG BOX

- + Simple system with display for off-line use (without a PC)
- + Possible out-of-water testing in off-line mode
- + Can be connected to a PC for full diagnostic check
- + Multiple light panel provided with colour coding for all products

WHICH PRODUCTS?

All Vortex[™] products (including Vortex[™]1) All Tornax[™]
All CyclonX[™] products
Lazernaut NT, Cybernaut[™] NT (2010 ONWARDS)

TESTED ELEMENTS?

In off-line mode: box/motor block/cable/remote control

Voyager/XA Type/CNX, Alpha iQ platforms cannot be diagnose with the Diag Box. The diagnostic must be performed with its own control box (by entering in Diagnostic mode. See details in the technical procedure or with an Alpha iQ control box which diag Alpha iQ & Voyager/XA Type/CNX models too).



PRODUCT REFERENCE

Product reference: R0685300

Robot type	Elements to be tested	Type of cable to be connected
	Robot	GREY adapter
CyclonX™	Control unit	BLUE adapter -
	Motor block	BROWN adapter
Vortex™ TornaX	Robot	Robot floating cable
Ιστιαλ	Control unit	GREEN adapter
Vortex [™] 1	Robot	RED adapter
Lazernaut, Cybernaut™ NT (>2010)	Robot (via robot control unit)	YELLOW adapter



DIAG CABLE MOTOR BLOCK FOR SELF-DIAGNOSABLE PLATFORMS

WHICH PRODUCTS?

Brown adapter (identical to the one supplied in the Diag box) to diagnose the motor block of models of Alpha iQ™ range by connecting the motor **directly to the control box of the cleaner.**



PRODUCT REFERENCE

Product reference: R0616900

WHICH PRODUCTS?

White adaptator (identical to the one supplied in the Diag box) to diagnose the motor block of models of Voyager/XA Type/CNX ranges by connecting the motor directly to the control box of the cleaner

PRODUCT REFERENCE

Product reference: R0616900



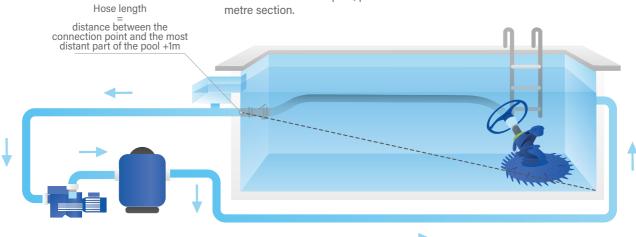
A simple and affordable solution

	T3®	T5 [®] Duo	MX6®	MX9®
COMPARATIVE TABLE OF RANGES				
Pool Dimension max.	9 x 5 m	12 x 6 m	10 x 5 m	12 x 6 m
Number of pipes 1 m - Twist Lock pipe	10	12	10	12
Motion	Diaphragm	Diaphragm	Mechanical	Mechanical
Suction	-	-	1 turbine	2 turbines with brushes
Pool floors				
Rectangular				
0val				
Round				
Free shape				
Floor only				
Floor and walls				
Flat				
Gentle slope				
Composit slope				
Diamond shape				
Minimum power required from the filtration pump	1/2 HP	3/4HP	3/4 HP*	3/4 HP*
Warranty	2 years	2 years	2 years	2 years

^{*1} HP needed for tile pools

STANDARD INSTALLATION

- The suction cleaner is connected directly to the vacuum point or skimmer. No electrical connection required.
- The ideal hose length for the pool equals the greatest distance that the cleaner can cover in the pool from the connection point (skimmer) to the farthest corner of the pool, plus a 1 metre section.
- For optimal installation, perform a flow test and adjust the flow rate using an adjusting valve.





T3TN





- + DiaCyclone Diaphragm: even more powerful suction
- + Finned disc: optimum mobility of the cleaner

REFERENCE PRICE

Standard Model

W70674







FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 9 x 5 m
Pool shapes	Rectangular, oval
All Floors	Flat, gentle slope
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor
Cleaning cycles	Recomended 6h filtering in three 2h sessions
Power supply	Filtering group
Steering	Random
Filtration system / access	Suction line or skimmer
Suction	Diacyclone Diaphragm
Debris collection	Fine and medium
Units / pallet	27

OPTIONAL ACCESSORIES (NOT INCLUDED)	
6 section of 1m Twist Lock hoses	
W78055	

TECHNICAL SPECIFICATIONS	
Cable length / Hose length	10 sections of 1 m
Cleaner size (L x W x h)	41 x 36 x 28 cm
Packaging size (L x W x h)	102,8 x 41,5 x 22,4 cm
Cleaner weight	1,2 kg
Packaging weight	6,8 kg
Filtering surface and level	Pool filtering circuit
Inlet suction size	30 cm
Displacement speed	6,5 m/min
Minimum required filter pump power	1/2 HP



T5™Duo





- + DiaCyclone Diaphragm: even more powerful suction
- + Flexible Duo Traction Control disc in 2 parts: optimum grip



Standard Model

W78046

















Twist Lock Hoses

Wheel deflector

Flow gauge

Flowkeeper valve (skimmer)

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor and walls
Cleaning cycles	Recomended 6h filtering in three 2h sessions
Power supply	Filtering group
Steering	Random
Filtration system / access	Suction line or skimmer
Suction	Diacyclone Diaphragm
Debris collection	Fine and medium
Units / pallet	24

TECHNICAL SPECIFICATIONS	
Cable length / Hose length	12 sections of 1 m
Cleaner size (L x W x h)	44 x 43 x 22 cm
Packaging size (L x W x h)	99 × 45,5 × 29,5 cm
Cleaner weight	1,4 kg
Packaging weight	8,4 kg
Filtering surface and level	Pool filtering circuit
Inlet suction size	44 cm
Displacement speed	6 m/min
Minimum required filter pump power	3/4 HP

OPTIONAL ACCESSORIES (NOT INCLUDED)	
6 section of 1m Twist Lock hoses	Cyclonic™ Leaf Catcher
W78055	W37110











- + Pre-programmed X-Drive navigation system: methodical cleaning of
- + Turbo aspiration: a powerful turbine and one peripheral propeller
- + Traction using notched tracks: for perfect stability and total movement
- + Equipped with a flow regulator valve: automatically controls excess flow through cleaner for best performance and longevity





REFERENCE PRICE

W79102 Standard Model

ACCESSORIES INCLUDED IN THE PACK















Twist Lock Hoses

In-ground valve cuff

45° Elbow extended

45° Elbow

Flow Regulator Valve (cleaner)

Flowkeeper valve (skimmer)

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor and walls
Cleaning cycles	Recomended 6h filtering in three 2h sessions
Power supply	Filtering group
Steering	Random
Filtration system / access	Suction line or skimmer
Suction	Mechanical suction : turbine
Debris collection	Fine and medium
Units / pallet	30

OPTIONAL ACCESSORIES (NOT INCLUDED)	
6 section of 1m Twist Lock hoses	Cyclonic [™] Leaf Catcher
W78055	W37110

TECHNICAL SPECIFICATIONS	
Cable length / Hose length	10 sections of 1 m
Cleaner size (L x W x h)	31 x 19 x 22 cm
Packaging size (L x W x h)	102 x 23 x 37 cm
Cleaner weight	2,5 kg
Packaging weight	8,2 kg
Filtering surface and level	Pool filtering circuit
Inlet suction size	25 cm
Displacement speed	8 m/min
Minimum required filter pump power	3/4 HP (1 HP forTile pools)









- + Pre-programmed X-Drive navigation system : methodical cleaning of all areas
- + Turbo aspiration: a powerful turbine and two peripheral propellers with brushes
- + Exclusive cleaning mode thanks to scrubbing brushes
- + Traction using notched tracks: for perfect stability and total movement
- + Twist Lock Hoses: easy and safe connection





REFERENCE PRICE	
Standard Model	WS000033

ACCESSORIES INCLUDED IN THE PACK







Twist Lock Hoses



In-ground valve cuff



45° Elbow extended



45° Elbow



Flow Regulator Valve (cleaner)



Flowkeeper valve (skimmer)

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

DESCRIPTION	
Cleaning areas	Floor and walls
Cleaning cycles	Recomended 6h filtering in three 2h sessions
Power supply	Filtering group
Steering	Random
Filtration system / access	Suction line or skimmer
Suction	Mechanical suction : turbine
Debris collection	Fine and medium
Units / pallet	30

OPTIONAL ACCESSORIES (NOT INCLUDED)	
6 section of 1m Twist Lock hoses	Cyclonic™ Leaf Catcher
W78055	W37110

TECHNICAL SPECIFICATIONS	
Cable length / Hose length	12 sections of 1 m
Cleaner size (L x W x h)	41 x 19 x 22 cm
Packaging size (L x W x h)	102 x 23 x 37 cm
Cleaner weight	3,2 kg
Packaging weight	9,5 kg
Filtering surface and level	Pool filtering circuit
Inlet suction size	36cm
Displacement speed	8 m/min
Minimum required filter pump power	3/4 HP (1 HP forTile pools)





Cyclonic[™] Leaf Catcher Zodiac Cyclonic

- + Cyclone suction system: constant suction and dirt remains in suspension
- + no pressure on the pump
- + Large, transparent, easy-to-empty filter basket
- + Fits all hose types



REFERENCE PRICE	
Standard Model	W37110

ACCESSORIES INCLUDED IN THE PACK

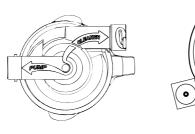


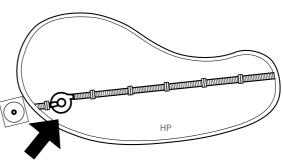


Standard hose and Twist Lock hose adaptors

DESCRIPTION	
Filtration system / access	Suction line or skimmer
Debris collection	All debris

TECHNICAL SPECIFICATIONS	
Cleaner size (L x W x h)	23 x 19 x 28 cm
Packaging size (L x W x h)	24 x 20 x 29 cm
Cleaner weight	1 kg
Packaging weight	1,3 kg





Install at the first hose connection closest to skimmer/or suction line. Ensure correct orientation using guides (Pump/Cleaner) on Leaf Catcher lid.



Spa Wand





- + Targeted cleaning of small volumes: spa, steps...
- + Efficient and easy to use handheld brush and no connection required
- + Debris are collected in a separate stainless steel filter

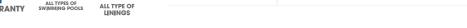








W9320018



ACCESSORIES INCLUDED IN THE PACK









Steel filter 2 sweeping nozzles

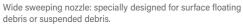
Wall bracket

FOR WHICH TYPE OF POOLS?	
Types of pools	Private above ground and above-ground pools with rigid walls, spas, steps, overflow gutters, integrated filtering blocks
Pool shapes	Rectangular, oval, free shape
All Floors	Flat, gentle slope, composite slope
Pool surfaces	Tiles, liner, polyester hull, reinforced PVC, painted concrete

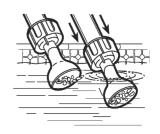
DESCRIPTION	
Power supply	Manual brush
Filtration system / access	Suction line or skimmer
Debris collection	Dust, insects, gravel, leaves, ⊠

TECHNICAL SPECIFICATIONS	
Cleaner size (L x W x h)	7 x 7 x 144 cm
Packaging size (L x W x h)	8 x 9 x 146 cm
Cleaner weight	1,2 kg
Packaging weight	1,7 kg









Double function nozzle: specially designed for debris at the bottom and corners.

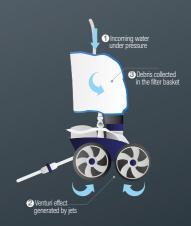


> **Polaris**

The high pressure cleaner

The cleaner sucks in debris using a physical principle called **'Venturi effect'**, which is produced inside the machine and **converts the incoming water into a powerful suction current**.

This characteristic provides maximum efficiency in the minimum time.

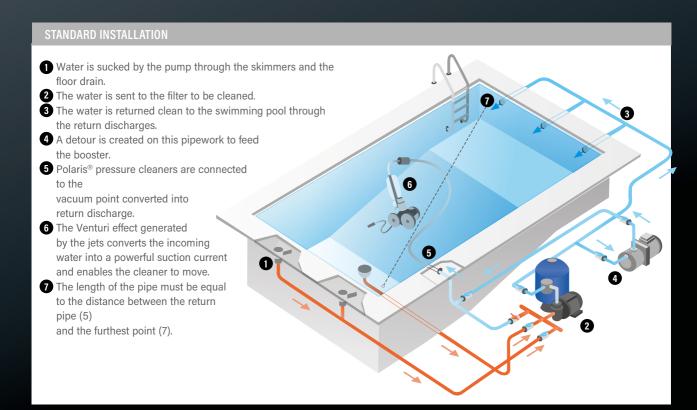


EQUIPMENT NEEDED

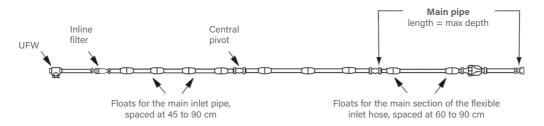
- The pipes of the vacuum point must be made of RIGID 16 bar PVC and not flexible material
- Booster, minimum 1 HP coupled to filtration

For optimum operation, advise your customers to equip their pools with an electrical programming box and a Polaris® booster. This guarantees complete compatibility and ideal suction power.

Minimum operating pressure 1.8 bar



INSTALLATION OF THE PIPE







PRESSURE CLEANER

- + 2 jets, ultra-powerful suction
- + Wide suction aperture
- + Automatic back-up valve, anti-jamming.

REFERENCE PRICE Standard Model W7220000

ACCESSORIES INCLUDED IN THE PACK	
And	
standard sand/silt bag	Back-up valve

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools
Pool shapes	All shapes
All Floors	Flat bottom, gentle slope, composed slope, diving pit, diamond point
Pool surfaces	Liner

DESCRIPTION		TECHNICAL SPECIFICATIONS	
System type	Pressure cleaner	Required equipment*	1 HP booster pump
		Operating pressure	2,2 bars
Steering	Random and automatic reverse	Specific brush socket line	Fixed hose 16 bars
Power supply	wer supply Booster pump coupled to filtering		15 m / min
т опот опрету	become pamp ecupied to intering	Suction size	7 cm
Suction	2 jets Venturi system	Hose length	9,60 m
		Weight	3,2 kg
Debris collection	Filter bag + sweep hose scrubber	Units / pallet	36

OPTIONAL ACCESSORIES (NOT INCLUDED)				
	Disposable bags (EZ Bag) (packs of 6)	Standard silt bag	Leaf bag	Ultra fine bag
Ref. Polaris	K-52	K-13	K-15	K-14
Ref. Zodiac	W7230114	W7230102	W7230104	W7230103

 $^{^\}star \! \text{Depending}$ on the distance to the technical room





PRESSURE CLEANER

- 3 jets, ultra-powerful suction
- **4** 3 wheel drive fitted with wide tyres
- Automatic back-up valve, anti-jamming
- Stainless steel chain, highly reliable gear system.

REFERENCE PRICE

Standard Model W7620000





ACCESSORIES INCLUDED IN THE PACK









Double capacity filter bag

Ultra-fine filter bag

Back-up valve

Tail Sweep Pro

FOR WHICH TYPE OF POOLS?	
Types of pools	Private in-ground pools
Pool shapes	All shapes
All Floors	Flat bottom, gentle slope, composed slope, diving pit, diamond point
Pool surfaces	Liner

DESCRIPTION		
System type	Pressure cleaner	
Steering	Random and automatic reverse	
Power supply	Booster pump coupled to filtering	
Suction	3 jets Venturi system	
Debris collection	Filter bag + sweep hose scrubber	

TECHNICAL SPECIFICATIONS		
Required equipment*	1 HP booster pump, 1.5 HP booster pump and greater **	
Operating pressure	2,2 to 2,6 bars max	
Specific brush socket line	Fixed hose 16 bars	
Speed	20 m / min	
Suction size	6 cm	
Hose length	9,60 m	
Weight	3,5 kg	
Units / pallet	16	

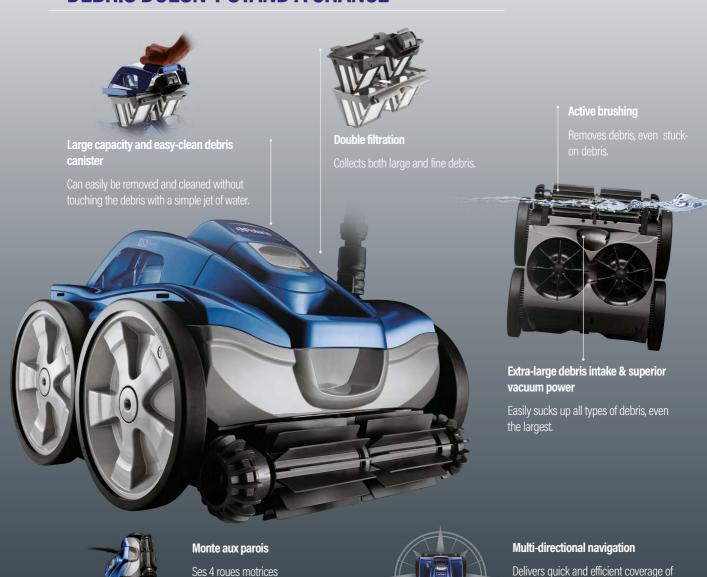
OPTIONAL ACCESSORIES (NOT INCLUDED)					
	Disposable bags (EZ Bag) (packs of 6)	Standard, double capacity silt bag	Standard silt bag	Leaf bag	Ultra fine bag
Ref. Polaris	K-52	39-310	K-23	K-15	K-18
Ref. Zodiac	W7230114	W7610000	W7230111	W7230104	W7230109

*Depending on the distance to the technical room
**For a technical room at a distance of more than 15 m. For a perfect use of your pressure cleaner,
we recommend to use it with a 1.5 HP booster pump and greater



♦Polaris QUATTRO

> DEBRIS DOESN'T STAND A CHANCE



lui confèrent une grande agilité pour

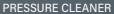
nettoyer le fond mais aussi les parois.

Powered with a booster bump

the entire pool.







◆Polaris QUATTRO™ SPORT

- ▶ 3 jets, ultra-powerful suction
- + Large debris intake
- Multi-directional navigation
- Dual-stage filtration

REFERENCE PRICE	
Standard Model	WE000028

2YEAR



ACCESSORIES INCLUDED IN THE PACK



Dual stage filter canister 3.5L

FOR WHICH TYPE OF POOLS?		
Types of pools	Private in-ground pools	
Pool shapes	All shapes	
All Floors	Flat bottom, gentle slope, composed slope, diving pit, diamond point	
Pool surfaces	Liner, polyester hull, reinforced PVC, painted concrete*	

DESCRIPTION	
System type	Pressure cleaner
Steering	Random and multi-directional
Power supply	Booster pump coupled to filtering
Suction	3 jets Venturi system
Debris collection	Rigid dual canister / access over the cleaner

TECHNICAL SPECIFICATIONS		
Required equipment*	1 HP booster pump, 1.5 HP booster pump and greater **	
Operating pressure	2,2 bars	
Specific brush socket line	Fixed hose 16 bars	
Speed	16 m / min	
Suction size	7 cm	
Hose length	9,60 m	
Weight	6.8 kg	
Units / pallet	20	

OPTIONAL ACCESSORIES (NOT INCLUDED)			
	All-purpose filter canister	Fine filter canister	
Ref. Polaris	-	-	
Ref. Zodiac	R0836300	R0836400	

^{*} For better grip of your cleaner on slippery surfaces, replace the 2 original rear tires with Positrax tires
** For a technical room at a distance of more than 15 m. For a perfect use of your pressure cleaner, we recommend to use it with a 1.5 HP



PRESSURE CLEANER



- Optimized removal of debris in the pool
- Reduced water spraying around the pool
- Easy to install at the end of the flexible hose of Polaris® robot cleaners
- Suitable for all models of Polaris® pressure cleaners





	18 units Display	Case of 12 units
REFERENCE PRICE		
Standard Model	W7220031	W7220032

ACCESSORIES INCLUDED IN THE PACK	
Foam brush	Tail sweep

TECHNICAL SPECIFICATIONS	
Dimensions of the accessory (L x D x h)	10 x 5 x 5 cm
Packaging dimensions (L x D x h)	11 x 5 x 5 cm
Weight of the accessory	21 g
Packaged weight	39 g

Dimensions of the accessory (L x D x h)	10 x 5 x 5 cm
Packaging dimensions (L x D x h)	11 x 5 x 5 cm
Weight of the accessory	21 g
Packaged weight	39 g
GENERAL SPECIFICATIONS	

In the water:

The Trail Sweep Pro® side inlets are used to suck in the water which is re-injected by Venturi effect into the diffuser :

Increased flow rate

Installation

• Optimised removal of debris

Side inlets for water suction or air suction



Diffuser for water dispersion



Out of the water:

By the user, on the end of the flexible hose of the pressure cleaner

As soon as these inlets emerge from the water, the air which is sucked in cuts the injection of water to avoid water being sprayed outside the pool.





PRESSURE CLEANER

- All water treatment adapted (sea water, chlorine water, demineralized water...)
- Distance from the pool up to 20 meters
- Connection kit "Quick Connect" includ in the BPK pack

Booster pump without connexion kit		Booster pump with connexion kit
REFERENCE PRICE		
Standard Model	BP / W4530247	BPK / W4530248

GENERAL	
Power	1 CV single phase
Туре	Multicellular
Body and turbine	Noryl®
Composition	Pump + Kit Quick Connect (BPK)
Weight	11 kg
Guarantee	2 ans

TECHNICAL SPECIFICATIONS		
Supply voltage	220-240 V	
Consumption	0,75 kW	
Turbine shaft	Inox AISI 420	
RPM	2800 rpm	
Bust of AMP	5,3 A	
Protection index	Watertightness IP-55	



- + Ideal to be combined with Polaris Cleaners
- + Easy to program
- + Magnetic-thermal breaker to protect the system

	Electric box
REFERENCE PRICE	
Standard Model	045550POLARIS

GENERAL	
Size	L. 220 x l. 200 x H. 200 mm
Weight	1 kg
Guarantee	2 ans

TECHNICAL SPECIFICATIONS	
Electrical supply	1 ph 230 V / 50 Hz
Circuit breaker	4 to 6,3 A
Switch main power	Auto / stop / manual
Protection index	Watertightness IP-65
Installation	30 mA



POOL SURROUND EQUIPMENT & LIGHTING



POWERFALL WATER BLADES P.108

NL NICHELESS LED LIGHTS P.110

• NL p.111



POWERFALL WATER BLADES

A water feature with soothing qualities

Water features and massage jets are now valued for both their relaxing and their aesthetic qualities. Compatible with all types of pool, **PowerFall water falls enhance the swimming pool and provide calm and well-being.**

> A TOP-OF-THE-RANGE TOUCH TO CUSTOMISE THE POOL

- The Zodiac® PowerFall water fall is available in 4 widths to customise the pool, based on the size of the pool.
- Simple to install when constructing the pool, the water fall draws its supply directly from the return circuit from the filtration system and creates a harmonious and soothing sound.



DID YOU KNOW?

As the first water fall 100% made of ABS plastic, Zodiac® PowerFall stands out for its high quality and unalterable manufacturing (corrosion free). Thanks to its patented X-Baffle® internal structure (item #2), the water fall is always constant and homogeneous whatever water flow is. PowerFall lip is made of translucent plastic (item #1). Thus, they harmonize perfectly with the design of the pool whatever the color of the pool surface.





DESIGN

PowerFall





- + Durable: 100% ABS plastic
- + X-Baffle system: consistent water flow
- + Aesthetic and qualitative improvement for pools







OPTIONAL ACCESSORIES	
PVC Adapter M/F 1.5"/50mm	PVC Adapter F/F 1.5"/1.5"
W8620110	W8620111

PRODUCT REFERENCES						
PowerFall	1' (30 cm)	18' (46 cm)	2' (61 cm)	3' (91 cm)		
Standard Model	WB000011	WB000008	WB000009	WB000010		

OPTIMAL WATER FLOW FOR EAC	CH ZODIAC® WATER FAL	L*			
PowerFall	1' (30 cm)	18' (46 cm)	2' (61 cm)	3' (91 cm)	
Projection at 15 cm from the wall	5.5 m³/h				
Projection at 30 cm from the wall	7.0 m³/h				
Projection at 45 cm from the wall	11.5 m³/h				
Projection at 60 cm from the wall	15.0 m³/h				

^{*} Required flow rate for the water fall projection from the pool wall at 1 m height.

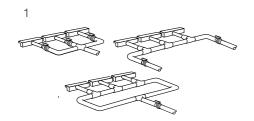
PIPE SIZE MUST BE CORRECTLY CHOSEN ACCORDING TO FLOW RATE							
PowerFall	1' (30 cm)	18' (46 cm)	2' (61 cm)	3' (91 cm)			
< 16 m³ / hour		50 mm					
\geq 16 m ³ / hour	63 mm						

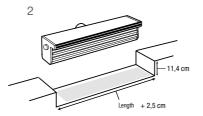
POWER / FLOW EQUIVALENCE	ES REMINDER				
PowerFall	1' (30 cm)	18' (46 cm)	2' (61 cm)	3' (91 cm)	
3/4 CV		13 m ³	/h		
1 CV	16 m³/h				
1,5 CV		22 m ³	³/h		
2 CV		30 m ³	³/h		

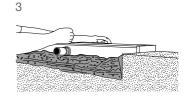
INSTALL ATION

Important: the water fall must not be installed at more than 1.2 m from the water level. $\,$

- 1 Place a separate valve on each cascade. If the cascades are the same size and installed at the same height, construct a loop to balance water flow to all units.
- 2 Prepare the notch where the water fall will be installed: For PowerFall cascades, make a notch in the bond beam about 11 cm deep and 2.5 cm longer than the cascade.
- 3 Water fall placement: Create a bed of mortar in the notch to reinforce the base. Place the water fall in the mortar and ensure it is level.









NL NICHELESS LED LIGHTS

EASY-TO-INSTALL, ECO-FRIENDLY LIGHTING

Pool lighting is an essential asset for enhancing your pool.

Zodiac® NL LED lights enable you to achieve this and they are both energy saving and easy to install.

They are installed during the construction stage and enhance all pool types, using innovative, obstruction-free technology.

> LED LIGHTING: AN ENERGY-SAVING INNOVATION

Energy efficient: powerful lighting with an energy saving of up to 90% (compared to incandescent or halogen spotlights).

Long lasting: they last up to 10 times longer than traditional incandescent light bulbs.



> "NICHELESS" INSTALLATION: INSTALLED ANYWHERE, QUICKLY AND EASILY!

Quickly & easily: With Zodiac® NL LED lights, there's no need to build a niche, they slot directly into a standard 1.5" wall fitting and are compatible with all pool surfaces (liner/PVC, concrete, polyester, etc.).

Compact: They integrate perfectly into the pool, adding to its aesthetic appeal and are compatible with all pool cleaners (no obstructions jutting out from the wall).

To the transformer 12 Vac (technical room) Rigid PVC pipe or watertight smooth conduit (1.5" thread)

Connection box

> COMPACT AND POWERFULL LIGHTS: CUSTOMISABLE AMBIANCE LIGHTING!

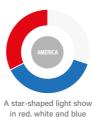
Freedom and creativity: NL LED lights offer a wide range of set colors and ambiance lighting thanks to their RGBW technology.







An electric atmosphere with over 1,500 constantly changing colors







A carnival atmosphere with a 32-color display

A night brought to life by hundreds of colors



Simple to use: 100% compatible with Zodiac® AquaLink® TRi automation and eX0® iQ smart salt water chlorinators (LS and standard versions) and Hydroxinator® iQ, NL LED lights can be controlled from your smartphone via the iAquaLink™ app.

DID YOU KNOW?

WITH RGBW LED, THERE'S NO NEED TO CHOOSE BETWEEN WHITE AND COLOR!

Zodiac® NL LED lights are innovative, using RGBW technology (Red-Green-Blue-White) to add white to all 3 primary colors. This enables you to generate an infinite color pallet, with a more natural shade, or pure white lighting.







DESIGN

NL





- + Powerfull Led lighting
- + Guaranteed energy savings













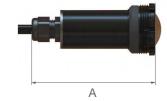
ASSOCIATED PRODUCTS	
Hydroxinator® iQ	eXO® iQ
WW000172/173/174/175	WW000162/163/164/165/170/171

PRODUCT REFERENCES						
NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
Standard Model	WT000233	WT000234	WT000235	WT000236	WT000237	WT000238

DESCRIPTION						
NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
Installation Compatibility	Pool outlet	with 1,5" internal th	read and whithout	t internal reduction	("suction cleaner" o	outlet type)
Led Type	R	RGBW : color + white Bright white				
Operating Mode(s)	9 fixed colors 8	9 fixed colors & 5 multicolor lighting ambiances 1 fixed color : white				
Color Choice*		Manual (on/off sequences) Remote control using iAquaLink™ smartphone app				
Use		Fresh water and salt water up to 6 g/L (6000 ppm)				

TECHNICAL SPECIFICATION	S						
NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW	
Power	6 W	12 W	24 W	6 W	12 W	24 W	
Max amperage (A)	0.52	0.92	1.25	0.62	1.09	1.84	
Illuminated surface (m²)**	160	340	505	390	725	1180	
Luminous flux (Lumen)	12 to 15	15 to 20	20 to 24	12 to 15	15 to 20	20 to 24	
Led lifespan ***		10 000 h					
Protection rating		IP 68					
Power supply		12 VAC - 50/60 Hz					
Cable lenght			3	m			

DIMENSIONS AND WEIGHT							
NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW	
External diameter (lens)		49.6 mm					
Light body diameter		36.7 mm					
Length A (without cable)	118 mm	143 mm 118 mm 143 mm			mm		
Poids (with cable)	500 g	520 g 500 g 520 g			0 g		



^{*:} Needs eXO® iQ salt water chlorinator or automation Zodiac pool automation system.

** For a light colored pool finish. Reduce illuminated surface by roughly 20% for dark pool finishes.

***: Theoretical lifespan in hours, for information only.









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 CANAL FAST Fan 	p.137
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 Ventilation accessories 	p.140



> THE RIGHT DEHUMIDIFIER FOR EVERY POOL

A room or veranda sheltering a pool is a place where **the relative humidity in the air is high.** Water vapour trapped inside condenses on the cold walls, forming water droplets and condensation, while the air is progressively saturated with humidity. There are many consequences of these phenomena: **appearance of mould, peeling, rusting, etc.** To ensure the comfort of bathers and long life of an indoor pool, **it is essential to install a dehumidifier.**

> SWIMMING POOLS IN CONSERVATORIES

Given the large area of glazed surfaces in a conservatory, it is strongly recommended to install a dehumidifier system with a system of ducts fitted around the room.



> COVERED POOLS

- For use from March to November: a simple dehumidifier, free-standing or fitted, combined with a cover can ensure a comfortable atmosphere.
- The ambient air can be heated as necessary, but it is generally the sun's rays that increase the air temperature.
- For use throughout the year: only a gas or oil boiler, accompanied by a dehumidifier unit
 with a hot water coil installed in a room close to the shelter, can keep bathers
 comfortable throughout the year.



In a room housing a private pool, there is very often a spa, either integrated or independent of the pool. In this case, the quantity of water evaporated by the spa must be added to that evaporated by the pool and fit the appropriate equipment.





> PROFESSIONAL SWIMMING POOLS

The greater use and higher water temperature of this type of pool causes a much greater level of evaporation. Calculating evaporation here requires complete understanding of the parameters and equipment to conduct a thermal audit.

Important: it is essential to ensure replacement of fresh air at a minimum of 22 m³/hr per person.

3 CRITERIA TO BE MET FOR OPTIMUM COMFORT:

- **1. Water temperature:** from 26°C to 30°C, or higher for medical or professional uses.
- **2. Air temperature:** from 26°C to 30°C, often set to the same value as the water temperature.
- **3. Relative humidity:** between 60% and 70%. Below 60%, it feels too cool when getting out of the water. Above 70%, it feels too muggy and condensation forms in the room.



> 3 TYPES OF DEHUMIDIFYING SYSTEMS

Zodiac® offers a wide range of solutions, split into three categories: **free-discharge, through-the-wall and ducted units.**All these systems operate on the principle of the heat pump: drawing in warm, moist air and blowing out warmer, dry air.



Free-discharge systems



Through-the-wall systems



Ducted systems



Ducted systems with air renewal

> FREE-DISCHARGE UNITS

These monoblock DT or Sirocco² systems are **designed for small volumes and require no ducting.**The units can be placed **in the room housing the pool**,
more than 2 metres from the pool.

This free-discharge solution is the **simplest and most economical** for maintaining the relative humidity at a comfortable 65% level in the room. However, it is not effective in dealing with condensation on the windows.



DT 850 E



SIROCCO² FREE-DISCHARGE



Through-the-wall DF

> THROUGH-THE-WALL

These Sirocco² or DF monoblock systems are installed **in an adjacent plant room through the walls.** Only an inlet grille and an outlet grille are visible in the pool room.

This simple solution allows the **dehumidifier to be installed outside the pool hall (plant room adjacent to the pool)** but does not deal effectively with condensation on the windows.

> DUCTED MODELS

A ducted system (DF or unit) is the only solution for **dealing effectively with condensation on the windows**, because it is possible to fit outlet grilles along the glazed walls.

Only these grilles are visible in the pool room while the equipment itself can be installed **in the nearby plant room.**



Ducted DF



Ducted CAE



Ducted OMEGA



> DUCTED MODELS WITH AIR RENEWAL

These ducted units, marketed under the SET brand, **also manage air renewal in the pool** (and any surrounding spaces) and heating in the pool room with no need for additional equipment. Introducing fresh air from outside, with or without static energy **means you save energy**. This solution is designed for all pools with large glazed areas and for professional swimming pools.

This solution is designed for all pools with large glazed areas and for professional swimming pools.

We offer an entire series of complementary accessories to enable you to build your complete installation:

- ventilation accessories
- inlet and outlet grilles
- ducts and diffusers





DEHUMIDIFIERS

A silent instalation

> EXPRESSING THE NOISE LEVEL WITH PRECISION

Sound level is expressed:

- Either as acoustic power dB(A): this is the unmodified noise level of the emitting source.
- Or as acoustic pressure dB(A): this is the sound level perceived by the human ear.

It depends on the installation environment and distance at which the measurement is made.

It must therefore always include a measuring distance.

The further you are from the emitting source, the more the sound level falls: it is reduced by 6 dB(A) for every doubling of the distance.

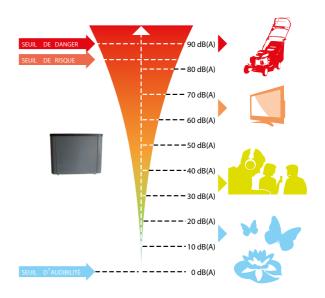


Acoustic pressure



To compare the noise level of several machines, check what type of value you have, power or pressure, and if it is pressure then at what distance was it measured!

NOISE SCALE



> REDUCE NOISE TRANSMISSION THROUGH THE DUCTS

Special attention will be given to the aeraulic networks:

- Size the ducts appropriately for the air flow, limit turbulent sections, provide straight lines between each turbulent section.
- · Reduce the transmission of vibrations through the ducts:
 - Install sleeves where they pass through walls,
 - Use anti-vibration collars to support ducts,
 - Use flexible couplings between the equipment and the duct network.
- Size the inlet and outlet grilles appropriately for the air flow rates passing through them. Provide expansion chambers between the grille and the duct.
- Fit a sound trap, if necessary, in the outlet ducts, particularly to avoid the noise propagating.



Example of duct installation



Support frame

> RECOMMENDATIONS FOR INSTALLING A DEHUMIDIFIER

A dehumidifier system includes 'moving' parts (compressor, fan, etc.), vibrations from which can spread and build up. A ducted unit installed in a plant room will provide the best possible noise solution.

However, to avoid or reduce disturbances, a few installation rules should be observed:

- Install the dehumidifier on suitable anti-vibration blocks. Renew them if necessary, because they lose
 effectiveness over time.
- **Install the system** either on a mounting base independent from the building and weighing twice as much as the dehumidifier, or on a very rigid support frame.

Anti-vibration blocks



HYGRO CONTROL

Simple dehumidification

Hygro Control is a hygro-thermostat designed exclusively by Zodiac® for easy and intuitive control of the dehumidification equipment.





REFERENCE POINT

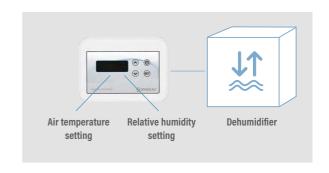
Find Zodiac® dehumidification products equipped with the Hygro Control function by locating this pictogram in the catalogue.

> HOW DOES IT WORK?

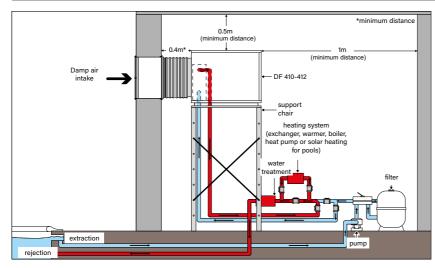
Hygro Control is an accurate and easy to use digital control unit for **setting the desired relative humidity.** Relative humidity characterises the moisture in the air, specifically the quantity of water present as gas in the air in the room or conservatory housing the pool.

If the dehumidifier is fitted with the 'heating' option, Hygro Control can also set the room air temperature.

The unit is supplied with CAE, DF and OMEGA dehumidifiers. Mounted on the wall, it is connected to the dehumidifier.



STANDARD INSTALLATION



- Hygro Control should be installed at least 50cm from the outlet
- Do not put it above the system (SIROCCO) or above an outlet grille (CAE, DF, OMEGA)
- · It should be at least 1.5m from the floor

Example of an installation with a CAE

Equipping a pool with a good roof and a suitable ventilation system for the room increases the efficiency of the dehumidification system.







DT 850 E







- + All-in-one, free-standing design: easy to install
- + Regulation with digital display

DESCRIPTION

- Indoor, single block dehumidifier, to be installed in the area to be treated
- ABS body
- Sealed type thermodynamic circuit
- Very silent centrifugal turbine
- Hermetic compressor with built-in protection
- Thermostatic defrosting using forced ventilation
- · Electronic regulation using a built-in hygrometer
- Thermoformed anti-rust casing
- · Washable air filter
- 2 ventilation speeds









PRODUCT REFERENCES	
Model	DT 850 E
Standard Model	W28DT850R290

TECHNICAL FEATURES	
Model	DT 850 E
Capacity (I/h)*	2,2
Absorbed power*** (W)	970
Acoustic pressure at 5m (dB(A))	22
Air flow (m³/h)	500
Electric power supply	220-240V / 1 N~ / 50Hz
Nominal operating power (A)	4,3
Refrigerant fluid	R290
Refrigerant fluid quantity (kg)	0,3

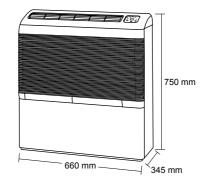
^{*}in the following nominal conditions: air 30°C, humidity 70%.

It is recommended to change the filters every year to allow the maximum preformance of the dehumidifier.

WEIGHT AND DIMENSIONS	
Model	DT 850 E
Weight (kg)	37

OPTIONAL ACCESSORIES

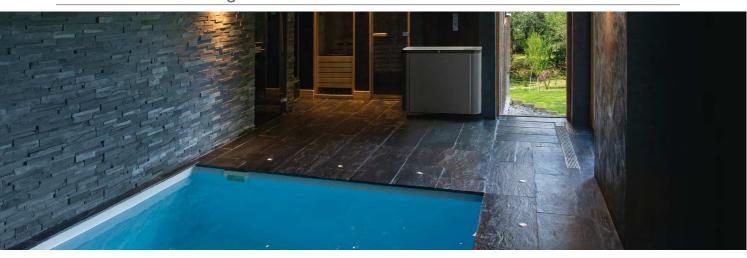
Filter DT 850 / DT 850 E - W28FIDT5





SIROCCO²

Comfort and intelligence



> OPTIMAL COMFORT

Thanks to its silence mode and vertical air outlet, the Sirocco² is a discreet dehumidification unit, helping you forget it's here.

> BUILT-IN INTELLIGENCE

With its humidity sensor's self-diagnostic feature, the Sirocco² **ensures the right relative humidity level** in all circumstances to preserve the facility's sustainability. Furthermore, when the pool is inoccupied (closed cover), **it reduces its energy consumption** by lowering the air heating temperature.

> HARMONIOUS DESIGN

With its sleek lines, no visible grid and two available colours, the Sirocco² fits elegantly and discreetly into all indoor pool environments.



HUMIDITY SENSOR

Located in the air flow, with easy access through the side panel.



« TEST » MODE

To check, whether at first installation or during diagnostics, the right configuration of the dehumidifier and its options.



SELF-DIAGNOSTIC

Automatic detection of the humidity measures inconsistencies. Dehumidifying fuction is always ensured by default.

2 possible configurations, on-site



FREE-DISCHARGE:

wall-mounted or floor-standing *







SIROCCO²



- + Optimal comfort
- + Built-in intelligence
- + Harmonious design

- Vertical blowing
- Free-discharge or Through-the wall mounting (with accessories)
- · Wall mounted or floor standing (with stander)
- Galvanized, epoxy painted body
- Built-in hygro-sensor
- Embedded LCD (LED) display (remote control as an option)
- 2-speed centrifugal fan with Silence mode
- Energy-saving mode (with pool cover contact)
- Air heating options electric resitance or hot water coil, on-site integrable, into the main body of the dehumidifier (no additional space required).
- Available in 2 colors (grey or white)









- Wall fixing profile
- Air inlet filter

PRODUCT REFERENCES				
Model	Sirocco ²	Sirocco ²	Sirocco ²	Sirocco ²
White	WD002088	WD002089	WD002090	WD002091
Grey	WD002215	WD002216	WD002217	WD002218

	2. 2	2	-1 2	-1 2	
Model	Sirocco ²	Sirocco ²	Sirocco ²	Sirocco ²	
Capacity (I/h)*	2,5	3,8	5,5	5,7	
Absorbed power*** (W)	1210	2120	2580	2810	
Acoustic pressure at 5m (dB(A) in Standard / Silence mode)**	36 / 33	40 / 37	38 / 34	39 / 35	
Air flow (m³/h)	600	800	10	00	
Electric power supply		220-240V / 1 N~ / 50Hz		380-400V / 3N~ / 50Hz	
Nominal absorbed intensity (A)***	5,3	9,5	11,8	4,8	
Max. absorbed intensity (A)***	6,9	12,5	16,7	5,7	
Refrigerant fluid		R47	10A		
Refrigerant fluid quantity (kg)	0,93 1,15 1,65				
Evacuation of condensate	Flexible tube Ø12/18				
Accoustic Power, (dB(A) in Standard / Silence mode)**	61,5 / 58,5	65 / 62	63,5 / 60	64,5 / 61	

OPTIONAL ACCES	SSORIES					
Through-the-wall kit Sirocco²	Electric resis- tance Sirocco ²	Hot water coil Sirocco ²	Stander, Sirocco ² Light Grey	Stander, Sirocco² Dark Grey	Remote control, Sirocco ²	Retrocompatible through the wall kit between Siroc- co 80M and Sirocco ² 3M
2M/3M: R0829500 5M/5T: R0829600	2M: R0829800 3M:R0829800 4M: R0829900 5M: R0830000 5T: R0894100	2M: R0830100 3M: R0830200 5M/5T: R0830300	2M/3M: R0893700 5M/5T: R0893800	2M/3M: R0893900 5M/5T: R0894000	R0829700	R0958900

^{*} Standard unit, in the following nominal conditions: air 30°C, humidity 70%, Standard mode
** According to EN60704-1:2010+A11:2012 standard. Values measured and certified by the CCTM (Centre de Transfert de Technologie du Mans) on standard units (without options)
*** Excluding the power consumption of electric heating options.



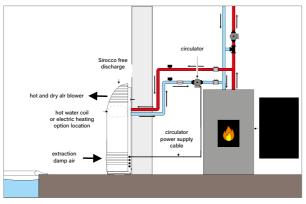
ELECTRIC RESISTANCE SPECIFICATIONS				
Model	Sirocco ²	Sirocco ²	Sirocco ²	Sirocco ²
Electric resistance power (kW)	2	3	4	,5
Electric resistance Max. absorbed intensity (A)	8,7	13,1	19	9,6

HOT WATER COIL SPECIFICATIONS					
Model	Sirocco ²	Sirocco ²	Sirocco ²	Sirocco ²	
Power (kW) with primary at 50-40 °C / 90-70 °C	2,2 / 7,1	3,2 / 8,1	3,7 /	11,1	
Water flow (m³/h) with primary at 50-40 °C / 90-70 °C	0,18 / 0,3	0,27 / 0,35	0,31 /	0,47	
Load loss (kPa) with primary 50-40 °C / 90-70 °C	16 / 28	23 / 39	17 / 3	35	
Connection (mm)		15 / 21 male	thread		

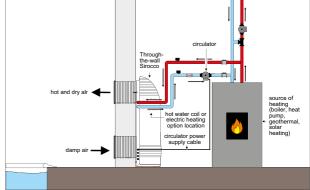
INSTALLATION

- Operating conditions (ambiant air temperature range): +10°C to +40°C for the dehumidication function; +5°C to +40°C for the air heating function alone
- Air heating options can be added within the unit: electric resistance or hot water coil
- An optional stander can be mounted as an additional support, in particular where the wall cannot withstand the load of the unit
- The unit shall always be attached to the wall in order to prevent any tilt, even when equipped with a stander.
- For more information, read the installation and user guide

Installation of an appliance with the hot water coil option.

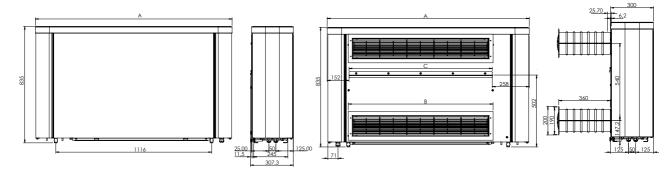


FREE DISCHARGE



THROUGH-THE-WALL

WEIGHT AND DIMENSIONS						
Model	Sirocco ²	irocco ² Sirocco ² Sirocco ²				
A	10	60	1410			
В	63	30	1010			
C : Anchor points	70	00	1000			
Space: Tolerance +2/-0 mm	580	x 145	998 x 165			
Number of grates	2:	(3	2:	x 5		
Weight (kg) (basic model)	70	80	95			







DF Through-the-wall



- + Hidden installation without ducts, for simplified project design
- + Available in 3 capacities (3.5 to 8 l/h)
- + Air heating options (electric heating or hot water coil)



Hygro control box











PRODUCT REFERENCES						
DF Through-the-wall	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T	
Standard Model	W28DF403ME	W28DF405ME	W28DF405TE	W28DF408ME	W28DF408TE	
Model with electric heating option	W28DF403MEE	W28DF405MEE	W28DF405TEE	W28DF408MEE	W28DF408TEE	
Model with hot water coil option	W28DF403MEB	W28DF405MEB	W28DF405TEB	W28DF408MEB	W28DF408TEB	

TECHNICAL FEATURES					
DF Through-the-wall	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T
Capacity (I/h)*	3,5		5	8	3
Absorbed power*** (W)	1500	1	860	26	00
Air flow (m³/h)		1300		17	00
Electric power supply	220-240V /	1 N~ / 50Hz	380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~/ 50Hz
Max. absorbed intensity (A)***	13,2	16,1	7,3	24,8	9,5
Refrigerant fluid			R407C		
Refrigerant fluid quantity (kg)	1,18 1,21 1,52				
Evacuation of condensate		PVC 1/2 union, Ø 32, glued			

OPTIONAL ACCESSORIES		
Double deflector supply grate	DF support frame	Remote control electrical unit
WTT02365	WTO04000	W28DEPORT

For all DF orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

*** Excluding the power consumption of electric heating options.

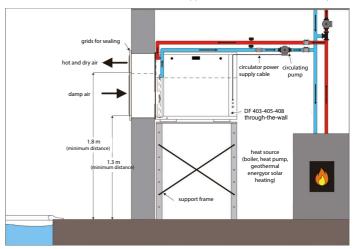


HOT WATER COIL SPECIFICATI	ONS				
DF Through-the-wall	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T
Power (kW) with primary at 50-40 °C / 90-70 °C		3,9 / 12,4		4,6 /	14,8
Nater flow (m³/h) with primary at 90/70°C	0,56			0,6	65
Load loss (mmCE) with primary 90/70°C		59		8	1
Connection (mm)			20 / 27 male thread		

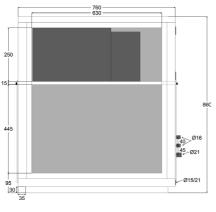
INSTALLATION

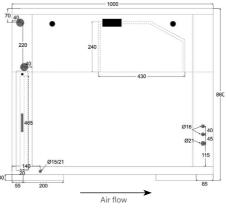
- Installation in a technical room nearby the pool hall.
- Blower and intake grates mounted on the part to be mortared included with the appliance.
- Possibility of double deflector grates to direct the hot dry air towards the windows.
- Hot water coil assembled inside the appliance (option).
- Extra electric heating using incorporated electric heating elements (option).
- Filter on the intake.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.

Installation of an appliance with the hot water coil option.



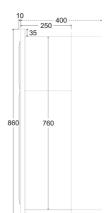
WEIGHT AND DIMENSIONS								
DF Through-the-wall	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T			
Weight (kg)	129	13	0	13	33			

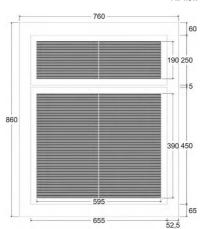




Access panel as standard for electrical connections











DF ducted 403 - 408



- + Horizontal, ducted installation
- + Available in 5 capacities (3.5 to 12 l/h)
- + Air heating options (electric heating or hot water coil)



Hygro control box











PRODUCT REFERENCES								
DF ducted	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T			
Standard Model	W28DF403MG	W28DF405MG	W28DF405TG	W28DF408MG	W28DF408TG			
Model with electric heating option	W28DF403MGE	W28DF405MGE	W28DF405TGE	W28DF408MGE	W28DF408TGE			
Model with hot water coil option	W28DF403MGB	W28DF405MGB	W28DF405TGB	W28DF408MGB	W28DF408TGE			

TECHNICAL FEATURES						
DF ducted	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T	
Capacity (I/h)*	3,5		5		8	
Absorbed power*** (W)	1500	1	860	2600		
Air flow (m³/h)	1300 1700					
Available pressure (mmCE)	10					
Electric power supply	220-240V / 1 N~ / 50Hz		380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~ 50Hz	
Max. absorbed intensity (A)***	13,2	16,1	7,3	24,8 ***	9,5 ***	
Refrigerant fluid			R407C			
Refrigerant fluid quantity (kg)	1,18	1,21 1,52				
Evacuation of condensate		I	PVC 1/2 union, Ø 32, glu	ed		
Accoustic Power ((dB(A))**		71,5		73	3,6	

For all DF orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

*** Excluding the power consumption of electric heating option.



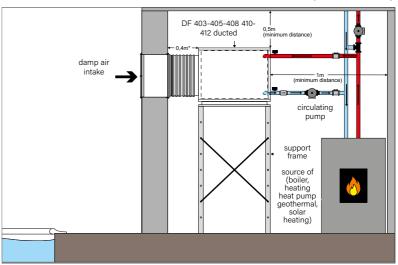
HOT WATER COIL SPECIFICATIONS								
Model	DF 403M ducted	DF 405M ducted	DF 405T ducted	DF 408M ducted	DF 408T ducted			
Power (kW) with primary at 50-40 °C / 90-70 °C	4,6 / 14,6			5,5 / 17,6				
Water flow (m³/h) with primary at 90/70°C	0,65			0,78				
Load loss (mmCE) with primary 90/70°C	59			81				
Connection (mm)	20 / 27 male thread							

INSTALL ATION

- Installation in a technical room nearby the pool hall.
- Blower and intake grates mounted on the part to be mortared included with the appliance.
- Duct diameter: Ø 315 mini or 400 x 200.
- Possibility of double deflector grates to direct the hot dry air towards the windows.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.
- Hot water coil and electric heating options are integrated outside the air outlet which adds a thickness to the installation. It is highly recommended to integrate these options during first installation.
- Air heating options (electric resistance and hot water coil) increase the overall dimensions of the units. It is recommended to plan their integration early in the design process. Find out more details in the installation guide.

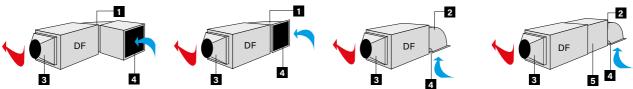
Air flow

Installation of an appliance with the hot water coil option (models 403 to 412).



DF ducted	DF 403M	DF 405M	DF 405T	DF 408M	DF 408T
eight (kg)		113		117	7
Access panel as standard for	1000	Ø16 40 45 115 115 115	550 560 410	805 760 635	65 95

ACCESSOIRES	EN OPTION							
Double deflector supply grate	Vertical angle 90°	Outlet DF Ø 315	Outlet DF Ø 400			Sound trap rec- tangular length 500 mm		Remote control electrical unit
WCH03716	WCH03717	WCH03715	WCH03729	WTT02355	WCH03681	WCH03718	WTO04000	W28DEPORT







DF ducted 410 - 412



- + Horizontal, ducted installation
- + Available in 5 capacities (3.5 to 12 l/h)
- + Air heating options (electric heating or hot water coil)
- + Titanium water condenser option, enabling to re-use the excess heat to warm the pool













PRODUCT REFERENCES							
DF ducted	DF 410M	DF 410T	DF 412T				
Standard Model	W28DF410MG	W28DF410G	W28DF412G				
Model with water condensed option	W28DF410MGC	W28DF410GC	W28DF412GC				
Model with electric heating option	W28DF410MGE	W28DF410GE	W28DF412GE				
Model with electric heating option and water condenser	W28DF410MGEC	W28DF410GEC	W28DF412GEC				
Model with hot water coil option	W28DF410MGB	W28DF410GB	W28DF412GB				
Model with hot water coil option and water condenser	W28DF410MGBC	W28DF410GBC	W28DF412GBC				

DF ducted	DF 410M	DF 410T	DF 412T		
apacity (I/h)*	10	-	12		
bsorbed power*** (W)	347	4170			
ir flow (m³/h)	2000				
vailable pressure (mmCE)	10				
ectric power supply	220-240V / 1 N~ / 50Hz	380-400V /	3N~ / 50Hz		
ax. absorbed intensity (A)***	20,5	11,9	14		
efrigerant fluid quantity (kg)	2,7 /2,	82 (1)	2,9 /3,82 (1		
racuation of condensate		PVC 1/2 union, Ø 32, glued			
ccoustic Power ((dB(A))**	-		76,7		

For all DF orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

*** excluding the power consumption of electric heating option.

*** DF412 in single phase on request.

(1) for units with water condenser option.



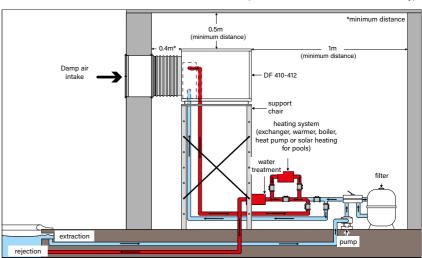
ELECTRIC RESISTANCE SPECIFICATIONS							
DF ducted	DF 410M	DF 410T	DF 412T				
Electric resistance power (kW)		23					
Electric resistance Max. absorbed intensity (A)		7					

HOT WATER COIL SPECIFICATIONS							
DF ducted	DF 410M	DF 410T	DF 412T				
Power (kW) with primary at 50-40 °C / 90-70 °C		7 / 23					
Water flow (m³/h) with primary at 90/70°C		1,1					
Load loss (mmCE) with primary 90/70°C		204					
Connection (mm)		20 / 27 male thread					

INSTALLATION

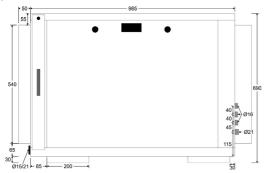
- Installation in a technical room nearby the pool hall.
- Available pressure 10 mmCE making it possible to install a duct network to carry hot, dry air the length of the window bays.
- Duct diameter: Ø 400 mini or 400 x 300.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.
- Hot water coil and electric heating options are integrated outside the air outlet which adds a thickness to the installation. It is highly recommended to integrate these options during first installation.
- Air heating options (electric resistance and hot water coil) increase the overall dimensions of the units. It is recommended to plan their integration early in the design process. Find out more details in the installation guide.

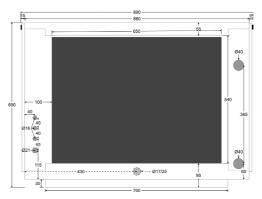
Installation of an appliance with the condenser option (models 410 ducted and 412 ducted only).



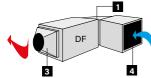
WEIGHT AND DIMENSIONS DF ducted DF 410M DF 410T DF 412T Weight (kg) 147 149

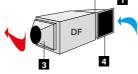
Access panel as standard for electrical connections

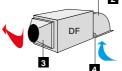


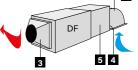


ACCESSOIRES EN	N OPTION	3	.			
Horizontal angle 90°	Vertical angle 90°	Outlet DF Ø 400	Standard outlet 625 x 425	Sound trap rectangular length 635 x 525 long. 500 mm	DF Chassis support	Remote control electrical unit
WCH03698	WCH03699	WCH03700	WTT02355	WCH03709	WTO04000	W28DEPORT











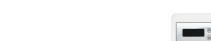


CAE



- + Vertical, ducted installation with modular air intake/outlet configurations
- + Available in 4 capacities (8 to 13.5 l/h)
- + Air heating options (electrical heating or hot water coil)
- + Titanium water condenser option, enabling to re-use the excess heat to warm the pool

ACCESSORIES INCLUDED IN THE PACK













PRODUCT REFERENCE						
CAE ducted****	508M	508T	510T		513	вт
Standard model	W28CAE8M	W28CAE8	W28CAE10		W28CAE13	
Model with water condenser option	W28CAE8MC	W28CAE8C	W28CAE10C		W28CAE13C	
Madalaniah alaukia haskina askina	W28CAE8ME	W28CAE8E	W28CAE10E9	W28CAE10E18	W28CAE13E9	W28CAE13E18
Model with electric heating option	4,5 kW	9 kW	9 kW	18 kW	9 kW	18 kW
Model with electric heating option	W28CAE8MEC	W28CAE8EC	W28CAE10E9C	W28CA10E18C	W28CAE13E9C	W28CA13E18C
and water condenser	4,5 kW	9 kW	9kW	18kW	9 kW	18 kW
Na del criste heat contact and a said	W28CAE8MB	W28CAE8B	W28C	AE10B	W28CAE13B	
Model with hot water coil option	23 kW	23 kW	35 l	κW	41 k	¢W
Model with Model with hot water coil	W28CAE8MBC	W28CAE8BC	W28CA	E10BC	W28CA	E13BC
option and water condenser	23 kW	23 kW	35 l	κW	41 kW	

TECHNICAL SPECIFICATION	S				
CAE ducted****	508M	508T	510T	513T	
Capacity (I/h)*	8		10	13,5	
Absorbed power*** (W)	2710		4040	5430	
Nominal airflow (m³/h)	2040		2720	3400	
Air flow (m³/h)	2400		3050	3800	
Min. air flow (m³/h)	1780		2380	2970	
Available pressure (mmCE)	15		19	23	
Electric power supply	220-240V / 1 N~ / 50Hz		380-400V / 3N~ / 50Hz		
Nominal absorbed intensity (A)***	17,5	5,3	8,5	11	
Max. absorbed intensity (A)***	37,1	8	14,5	17	
Refrigerant fluid quantity (kg)	1,3/1,45	(1)	2,2/2,5 (1)		
Accoustic Power ((dB(A))**	-	77,6	-	77,6	

For all CAE orders a deposit of 30% will be requested with the order.

^{***} Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 374! & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

*** excluding the power consumption of electric heating option.

**** annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation, French decree n° 737-2007). CAE 510 single phase on request.

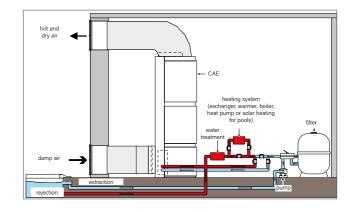
⁽¹⁾ for units with water condenser option.



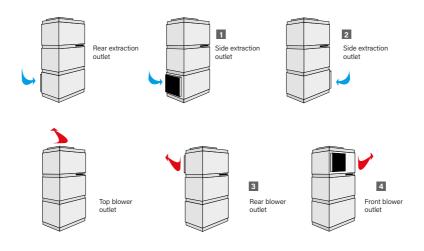
HOT WATER COIL SPECIFICATIONS							
CAE ducted****	508M	508T	510T	513T			
Power (kW) with primary at 50-40 °C / 90-70 °C	5,9 / 23		9,8 / 35	11,6 / 41			
Water flow (m³/h) with primary at 90/70°C	1		1,6	1,9			
Load loss (mmCE) with primary 90/70°C	1250		1900	2500			
Connection (mm)	20 / 27 male thread						

EXTRACTION AND BLOWER OPTIONS

- Installation of an appliance with the TITANIUM water condenser option.
- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.
- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.



EXTRACTION AND SUPPLY						
CAE ducted****		508M	508T	510T	513T	
Extractor on the left (frame + filter)		W28REGA				
Extractor on the right (frame + filter)	2	W28REDR				
Rear blower (frame)	3	W28SOAR				
Front blower (frame)	4	W28SOAV				





CAE



EXTRACTION AND SUPPLY BOX							
CAE ducted****	508M	508T	510T	513T			
Diameter	Ø 4	100	Ø 500				
Circular angled outlet	WCH	01251	WCH01252				
System central intake box	WCH	01253	WCH01254				
Intake box for 625 x 425 grate	WCH03719		Contact us				

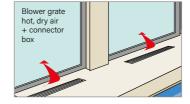
Other accessories or casing: contact us

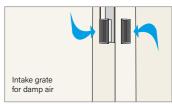


SOUND TRAP						
CAE ducted****	508M	508T	510T	513T		
Diameter	Ø	Ø 400		Ø 500		
Sound trap	WCH03682		WCH03683			

CAE TECHNICAL ROOM + DUCTS

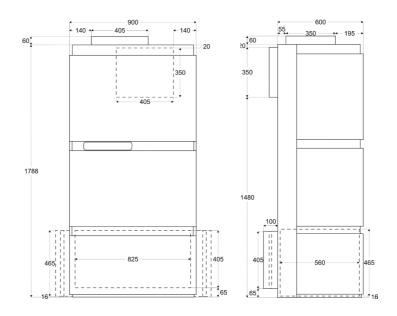
- Installation of an appliance with the TITANIUM water condenser option.
- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.
- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.





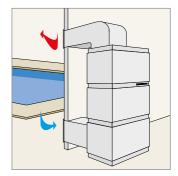


DIMENSIONS (MM) AND WEIGHT				
CAE ducted****	508M	508T	510T	513T
Weight (kg, excluding accessories and options)	22	28	235	240



AIR EXTRACTION AND SUPPLY ACCESSORIES							
CAE ducted****	508M	508T	510T	513T			
Diameter	Ø 4	100	Ø 500				
Circular rear extraction accessories (1)	WCH01245		WCH01246				
Circular side extraction accessories (1)	WCH	01247	WCH01248				
Circular top extraction accessories (2)	WCH01249		WCH01250				
Circular front/rear bloweraccessories (1)	WCH	01249	WCH01250				

OPTIONAL ACCESSORIES						
625 x 425 grate (plan for 2 grates)	Double 625 x 425 deflector (blower)	Sound trap	Blower angle	Remote regulator box for the dehumidifier	Remote regu- lator box for 2 dehumidifiers	
WTT02355	WTT02366	WCH01234	WCH01255	R0771000	R0771100	









OMEGA



- + Vertical, ducted installation with modular air intake/outlet configurations
- + Available in 5 capacities (10 to 28 l/h)
- + Air heating options (electrical heating or hot water coil)
- + Titanium water condenser option, enabling to re-use the excess heat to warm the pool













PRODUCT REFERENCES							
OMEGA ducted	10T	14T	16T	20T	28T		
Standard model	W28OM10	W28OM14	W28OM16	W28OM20	W28OM28		
Model with water condenser option	W28OM10C	W28OM14C	W28OM16C	W28OM20C	W28OM28C		
Model with electric heating option	W28OM10E	W28OM14E	W28OM16E	W28OM20E	W280M28E		
Model with electric heating option a nd condenser	W28OM10EC	W28OM14EC	W28OM16EC	W28OM20EC	W280M28EC		
Model with hot water coil option	W28OM10B	W28OM14B	W28OM16B	W28OM20B	W280M28B		
Model with hot water coil option and condenser	W28OM10BC	W28OM14BC	W28OM16BC	W28OM20BC	W28OM28BC		

OMEGA ducted	10T	14T	16T	20T	28T	
Capacity (I/h)*	10	14	16	20	28	
Absorbed power*** (W)	3 840	4 390	5 830	6 430	9 900	
Air flow (m³/h)	3 000	4 000	5 000	6 000	8 500	
Available pressure (mmCE)	20					
Electric power supply			380-400V / 3N~ / 50Hz			
Nominal absorbed intensity (A)***	7,6	9	12	16,4	19	
Max. absorbed intensity (A)***	13	16	18,5	20,1	23,8	
Refrigerant fluid	R407C					
Refrigerant fluid quantity (kg)	3,5/3	,8 (1)	3,5/3,9 (1)	3,5/3,8 (1)	8,2/8,5 (1)	
Accoustic Power ((dB(A))**	-	83,6	-	82	-	

For all OMEGA orders a deposit of 30% will be requested with the order.

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

^{**} Values measured and certained in complete the consumption of electric heating option.

**** excluding the power consumption of electric heating option.

***** An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation,

⁽¹⁾ for units with water condenser option.

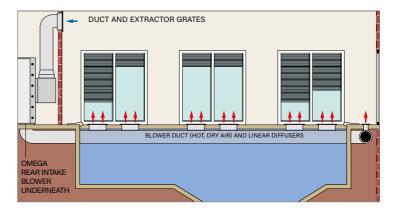


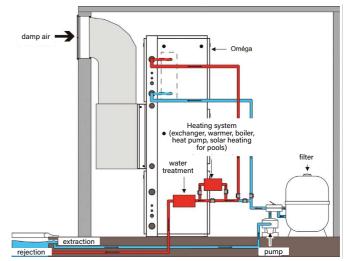
ELECTRIC RESISTANCE SPECIFICATIONS					
OMEGA ducted	10T	14T	16T	20T	28T
Electric resistance power (kW)	24	34	42	53	76
Electric resistance Max. absorbed intensity (A)	9,5	11,6	13,6	15,2	23

HOT WATER COIL SPECIFICATIONS						
OMEGA ducted	10T	14T	16T	20T	28T	
Power (kW) with primary at 50-40 °C / 90-70 °C	9,5 / 24	11,6 / 34	13,6 / 42	15,2 / 53	23 / 76	
Water flow (m³/h) with primary at 90/70°C	1,66	2,03	2,35	2,64	3,98	
Load loss (mmCE) with primary 90/70°C	930	1340	1760	2170	1410	
Connection (mm)	20 / 27 male thread					

INSTALLATION

- Installation in a technical room nearby the pool hall.
- Damp air extractor frame on the rear face for connection to wall or ceiling extractor duct.
- Hot, dry air blower either under or over the system for direct assembly on buried ducts or ceiling service area ducts.
- Simplified aeraulic assembly with very little load loss making it possible to keep the available ventilator pressure for the duct network.
- Hot water coil or extra electric heating fitted inside the system (see options).
- A remote regulator box, temperature sensor and humidity sensor in a duct and box enable you to adjust the operation of one unit or two dehumidifier units.

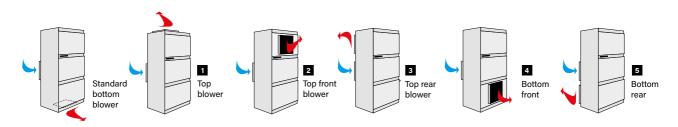






BLOWER OPTIONS						
OMEGA ducted		10T	14T	16T	20T	28T
Blower on the top	1		W28SODE		W28SODE20	W28SODE28
Blower on the top to the front	2	W28SOHAV W28SOHAV20 W28S				W28SOHAV28
Blower on the top to the rear	3	W28SOHAR			W28SOHAR20	W28SOHAR28
Blower on the bottom to the front	4	W28SOBAV				
Blower on the bottom to the rear	5	W28SOBAR				

The standard blower on the OMEGA systems is installed under the system (blower inversed compared to the CEA). Optionally, blower can be installed on the top or bottom and either to the front of the rear.



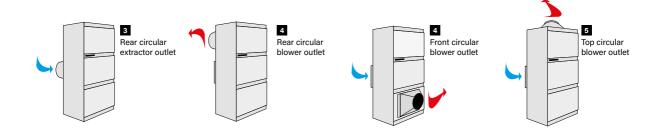
OMEGA INTAKE							
OMEGA d	ucted	10T	14T	16T	20T	28T	
Extractor grate 1000 x 600 (4000 à 6000 m³/h) with counter frame	Grate	WFA01477					
	Counter frame			WFA01479			
Sound trap 600 mm (for direct intake from 00 X 600 grate)	1	WCH01236					
Extraction box	Caisson	WCH02822		WCH03048		WCH03049	
for Omega systems	Diameter	Ø500		Ø630		Ø500	
Intake box for 1000 x 600 grate	Caisson	WCH02822		WCH03048		WCH03049	
	Diameter	Ø500		Ø630		Ø500	





EXTRACTION AND SUPPLY ACCESSORIES						
OMEGA ducted		10T	14T	16T	20T	28T
Diameter		Ø500		Ø630		2 x Ø500
Rear circular extractor accessories	3	WCH03701		WCH03702		WCH03703
Front/rear circular blower accessories	4	WCH03595		WCH03331		WCH03704
Upper circular blower accessories	5	WCH03705		WCH03706		WCH03707

Other accessories or casing: contact us.



WEIGHT AND DIMENSIONS						
OMEGA ducted	10T	14T	16T	20T	28T	
Weight (kg)	342	344	346	397	505	

	Oméssa 10 to 00	0mága 20		
	Oméga 10 to 20	Oméga 28		
Α	1940	2170		
В	1150	1734	R	G F E N N 1
С	625	652		
D	70	102		
Е	445	413		
F	410	908	•••••	Ų Ĭ _m , <u> </u>
G	295	413		
Н	240	190		
I	345	387		
J	75	240	•	
K	225	216		
L	655	673		└
M	630	824		
N	60	50	E F G	
0	20	0	Blower at the bottom	Blower at the top
Extractor Width	1060	1650	Diower at the Dottom	blower at the top

ACCESSOIRES EN OPTION					
Filters for OMEGA 10, 14, 16 et 20 tri	Filters for OMEGA 28 tri	Remote regulator box for the dehumidifier			
WSD01916	WSD03350	R0771000			





ENERGY Fan

+ Air renewal: better pool hall hygiene + Wall-mounted fan with backdraft damper + Aesthetic finish and silent working













- Plan a fresh air intake (featuring an incoming airflow lower or equal to the fan's extraction airflow so as to guarantee a slight underpressure in the pool hall.)
- Axial fan
- ABS body
- 150 Model : 1 speed extract fan, control with switch or servo control (cord included)
- 500, 900 and 1800 Models : variable speed, start only with RC4M control box (sold as accessory)

- •Through-the-wall duct
- Outdoor grate

PRODUCT REFERENCES				
Model	ENERGY 150 FAN	ENERGY 500 FAN	ENERGY 900 FAN	ENERGY 1800 FAN
Standard Model	WD001208	WD001209	WD001210	WD001211

TECHNICAL FEATURES						
Model	ENERGY 150 FAN	ENERGY 500 FAN	ENERGY 900 FAN	ENERGY 1800 FAN		
Max. extraction airflow	280	445	918	1820		
Eco extraction airflow	-	245	820	1341		
Max. absorbed power (W)	33	38	50	100		
Eco absorbed power (W)	-	20	37	70		
Max. sound pressure at 3 m	43	45	49	51		
Eco sound pressure at 3 m	-	27	46	45		
Electric power supply		220-240V / 1 N~ / 50Hz				

WEIGHT AND DIMENSIONS						
Model	ENERGY 150 FAN	ENERGY 500 FAN	ENERGY 900 FAN	ENERGY 1800 FAN		
Weight (kg)	0,99	4,6	4,9	9,5		
AxB	200 x 200	269 x 272	342 x 342	420 x 420		
С	100	134,5	171	206,5		
D	100	737,5	175	214,5		
E	200	269	337	413		
F	114,5	128	130	169,4		
Wall opening	Ø160	260 x 260	330 x 330	410 x 410		
Wall width (min/max)	100/375	200/380	200/380	200/380		

RC4M control box for Energy 500, 900 and 1800 Box to control up to 5 fans

WD001212









CANAL FAST Fan





+ Air renewal: swimming pool hygiene maintained

- + Centrifugal fan motor in duct
- + Easy to install with quick-fix system

- Use a fresh air inlet (fresh air flow less than or equal to the ventilator flow rate) to slightly reduce pressure in the pool room
- Install horizontally or vertically at all points along the duct
- Housing: polypropylene body and flanges IPX4 protection
- Turbine: centrifugal reaction, ABS helix, mounted directly onto the body of the engine, polypropylene fl anges - IPX4 protection
- External 2-speed rotary engine, IPX4
- Built-in mounting system with locking collars





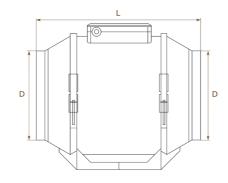
PRODUCT REFERENCES				
Model	CANAL FAST 125	CANAL FAST 160	CANAL FAST 200	CANAL FAST 250
Standard Model	WFA03484	WFA03485	WFA03486	WFA03487

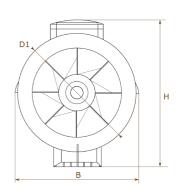
TECHNICAL FEATURES						
Model	CANAL FAST 125	CANAL FAST 160	CANAL FAST 200	CANAL FAST 250		
Max. extraction airflow	285/345	467/552	830/1040	1100/1400		
Power (W)	47/65	54/76	90/125	125/177		
Max. sound pressure at 3 m	31 / 42	33 / 44	45 / 52	47 / 55		
Electric power supply	220-240V / 1 N~ / 50Hz					

WEIGHT AND DIMENSIONS						
Model	CANAL FAST 125	CANAL FAST 160	CANAL FAST 200	CANAL FAST 250		
Weight (kg)	3	3,4	6,5	7,5		
D	123	158	197	247		
D1	185	185	209	256		
Н	250	250	261	320		
В	220	220	239	286		
L	295	295	296	393		

ACCESSOIRES EN OPTION

Variable speed driver WFA03488







Floor slot diffusers





Minimum manufacturing time: 3 weeks

- + Attractive and discreet design : perfect integration flush with the level of the floor
- + Ideal air supply distribution: solution specially adapted for bay windows (air supply along the bay window)
- + New products, new heights, and new kits to make installation easier

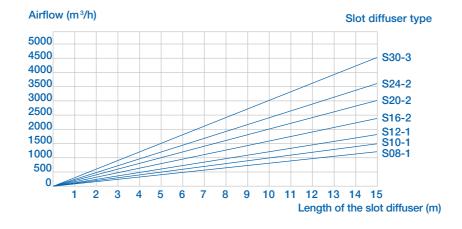
PRODUCT REFE	PRODUCT REFERENCES						
Height (mm)	S08-1	S10-1	S12-1	S16-2	S20-2	S24-2	\$30-3
100-150	WD001422	WD001424	WD001426	WD001429	WD001431	WD001433	WD001435
150-200	WD001423	WD001425	WD001427	WD001430	WD001432	WD001434	WD001436

^{*}The height corresponds to that between the concrete slab and the finished level. It must not be less than 10 cm.

Floor slot diffusers can be cut straight across or at a 45° angle to the desired length (within dimension limits). Floor slot diffusers are provided with any Zodiac dehumidifier unit order. Contact our Design Office (BE@zodiac.com) for design and quotation.

TECHNICAL SPECIFICATIONS

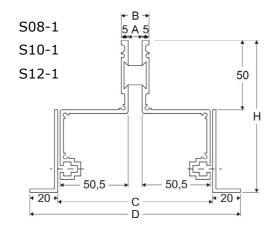
The slot diffuser selection (number of slots) depends on the airflow and on the length of the diffuser.

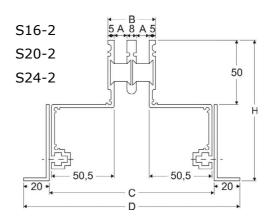


TYPE AND QUA	NTITY OF TAPPIN	G TO ORDER FOR	EACH METRE OF	FLOOR SLOT DIF	FUSER		
Type of floor slot diffuser	S08-1	S10-1	S12-1	S16-2	\$20-2	S24-2	\$30-3
Tapping/linear metre	2xD100	2xD100	2xD100	3xD100 or 2xD125	3xD100 or 2xD125	2xD160	2xD160



DIMENSIONS (EN MM)					
	Α	В	С	D	Н
S08-1	8	18	109	149	
S10-1	10	20	111	151	
S12-1	12	22	113	153	2 possible heights: • 100 to 150 mm • 150 to 200 mm
\$16-2	8	34	125	165	
\$20-2	10	38	129	169	
S24-2	12	42	133	173	
S30-3	10	56	147	187	

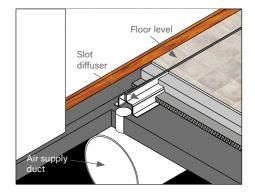




INSTALLATION

Example with a hollow block floor







Ventilation accessories



FRESH AIR ACCESSORIES

Fresh air grate with weather protection grate and wall duct (wall thickness 250 to 400mm) Canal Fast : compact fan to be installed in a duct

Designation / Model	Reference
grate PA160 (200 m³/h)	WFA03480
grate PA200 (300 m³/h)	WFA03481
grate PA250 (400 m³/h)	WFA03482
grate PA315 (700 m ³ /h)	WFA03483
Damper Ø160	WCH03758
Damper Ø200	WCH03759
Damper Ø250	WCH03760
Damper Ø315	WCH03761

EXTRACTOR OR BLOWER GRATE

Natural anodised aluminium grate with sealing frame. Plan to use standard grates for the intake and double deflector option grates for the blowers. Plan for adjusters when there are several blower grates. Wall or ceiling mounted. Galvanised adapters can be used to connect the grate directly to the circular duct. Res.: 610 x 210 or 610 x 410.

Position	Designation / Model	Reference
	Damper + double defection 625 x 225	WTT02369
	Damper + double defection 625 x 425	WTT02370
	625 x 225 grate (flow 500 to 1250 m ³ /h)	WTT02354
	625 x 225 counter frame	WTT02358
	625 x 425 grate (flow 1250 to 2500 m³/h)	WTT02355
6	625 x 425 counter frame	WTT02359
0	Double deflector 625 x 225	WTT02365
	Double deflector 625 x 425	WTT02366
	Regulator 625 x 225	WTT02367
	Regulator 625 x 425	WTT02368
	Adapter 600 x 200 (Ø 315)	WCH01226
7	Adapter 600 x 200 (Ø 400)	WCH03684
	Adapter 600 x 400 (Ø 500)	WCH01227
	Adapter 600 x 400 (Ø 630)	WCH03685



GRATE FOR CIRCULAR DUCT

Steel grey painted blower grate, double deflector flow regulator. Direct assembly onto circular ducts.

Designation / Model	Reference
grate 625 x 75 on Ø 160 to 400 (250 m³/h)	WFA03467
grate 625 x 125 on Ø 315 to 900 (400 m³/h)	WFA03309
Regulator 625 x 75	WFA03468
Regulator 625 x 125	WFA03310

REINFORCED 600 X 400 GROUND ATE

Reinforced natural aluminium ground grate. Sealing frame supplied. Reinforced frames and profiles.

Position	Designation / Model	Reference
1	Floor grate 600 x 400 (flow 1000 to 2500 m³/h)	WPA01804



CEILING SLOT DIFFUSER

Anodised natural aluminium ceiling slot diffuser with adapter and regulator. Installation in ceiling service area. Height 285 mm. Ø 160 connection prepared.

Position	Designation / Model	Reference
8	2 Slot diffuser L 900 mm (250 m³/h)	WAL03030
9	Flexible duct Ø 160 (linear m)	WCH01183
	Connection 45°, Ø 160/315	WCH01256
10	Connection 45°, Ø 160/315	WCH01256
	Punching 45° Ø 160/400	WCH01260



FLEXIBLE DUCT

Position	Designation / Model	Reference
	Flexible duct Ø 160 (linear m)	WCH01183
	Flexible duct Ø 200 (linear m)	WCH01185
9 Flexible duct Ø 315 (linear m) Flexible duct Ø 400 (linear m) Flexible duct Ø 500 (linear m)	Flexible duct Ø 315 (linear m)	WCH01186
	Flexible duct Ø 400 (linear m)	WCH01187
	Flexible duct Ø 500 (linear m)	WCH01188

BLOWER GRATE

Natural anodised aluminium, fixed wing, flow regulation included. Connection, rectangular and connecting boxes: galvanised metal box fitted between the grate and the blower duct, see diagram below.

Position	Designation / Model	Reference
	Supply grate 500 x 50 (flow 75 to 125 m³/h) reservation	WAL03029
	Supply grate 500 x 75 (flow 125 to 175 m³/h) reservation	WAL02750
2	Supply grate 1000 x 50 (flow 150 to 250 m³/h) reservation	WAL02748
	Supply grate 1000 x 75 (flow 250 to 350 m³/h) reservation	WAL02751
	Supply grate 1000 x 100 (flow 350 to 500 m³/h) reservation	WAL03028
	Rectangular Connection 500 x 50 Adjustable height 200 to 340 mm	WCH03691
	Rectangular Connection 500 x 75 Adjustable height 200 to 340 mm	WCH01219
3	Rectangular Connection 1000 x 50 Adjustable height 200 to 340 mm	WCH01220
	Rectangular Connection 1000 x 75 Adjustable height 200 to 340 mm	WCH01221
	Rectangular Connection 1000 x 100 Adjustable height 200 to 340	WCH03692
	Connection box 500 x 50 Connection Ø 160 mm	WCH03693
	Connection box 500 x 75 Connection Ø 160 mm	WCH01222
4	Connection box 1000 x 50 Connection Ø 160 mm	WCH01223
	Connection box 1000 x 75 Connection Ø 160 mm	WCH01224
	Connection box 1000 x 100 Connection Ø 200 mm	WCH03000
	Under-floor connection box 500 x 50 Connection Ø 160 mm	WCH03710
	Under-floor connection box 500 x 75 Connection Ø 160 mm	WCH03711
5	Under-floor connection box 1000 x 50 Connection Ø 160 mm	WCH03712
	Under-floor connection box 1000 x 75 Connection Ø 160 mm	WCH03713
	Under-floor connection box 1000 x 100 Connection Ø 200 mm	WCH03714



FITTING ACCESSORIES

Complete set including: perforated fixing band (2 25 m rolls), cement (3 cartridges), adhesive (2 50 m rolls), suspenders with washers and fixtures.

Position	Designation / Model	Reference
	Fixing accessories set	WCH03728
	Fixing accessories set	WCH03728
9	Flexible anti-vibration sleeve width 150 mm (price per metre)	WCH03409
	Flexible anti-vibration sleeve width 150 mm (price per metre)	WCH03409





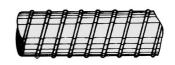
Ventilation accessories



Ø 315 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 315 for connection to DF 403, 405, 408. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference	
Flange (flat punching 90°) Ø 315	WCH01231	
Galvanised duct Ø 315 (lm) shipped in 2m lengths	WCH01179	
Galvanised elbow 90°, Ø 315	WCH01201	
Galvanised elbow 45°, Ø 315	WCH01207	
Male sleeve Ø 315	WCH01191	
Female sleeve Ø 315	WCH03050	
Cap Ø 315	WCH01196	
T 90° equal Ø 315	WCH01211	
Reduction Ø315/250	WCH03755	



Circular duct

Elbow 90°



Ø 400 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 400 for 410, 412 CAE 508. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Punching 45° Ø 160/400	WCH01260
Galvanised duct Ø 400 (ml) shipped in 2m lengths	WCH01180
Galvanised elbow 90° Ø 400	WCH01203
Galvanised elbow 45° Ø 400	WCH01208
Male sleeve Ø 400	WCH01192
Female sleeve Ø 400	WCH03051
Cap Ø 400	WCH01197
T 90° equal Ø 400	WCH01212
Reducer Ø 400/315	WCH01215





Sleeve





Cap



T 90° equal



Reducer



Ø 500 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter \emptyset 500 for CAE 510-513 and OMEGA. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Galvanised duct Ø 500 (ml) shipped in 2m lengths	WCH01181
Galvanised elbow 90° Ø 500	WCH01204
Galvanised elbow 45° Ø 500	WCH01209
Male sleeve Ø 500	WCH01193
Female sleeve Ø 500	WCH03052
Cap Ø 500	WCH01198
T 90° equal Ø 500	WCH01213
Reducer Ø 500/400	WCH01216
Reducer Ø 500/315	WCH01217

Ø 630 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter 630, for Omega 16-20. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

Designation / Model	Reference
Galvanised duct Ø 630 (ml) shipped in 2m lengths	WCH01182
Galvanised elbow 90° Ø 630	WCH03329
Galvanised elbow 45° Ø 630	WCH03424
Male sleeve Ø 630	WCH03325
Female sleeve Ø 630	WCH03720
Cap Ø 630	WCH03330
T 90° equal Ø 630	WCH03326
Reducer Ø 630/500	WCH03327
Reducer Ø 630/400	WCH03328





HEATING SOLUTIONS P.144 **HEAT PUMPS** P.145 - Z550iQ p.154 - Z400iQ Z400iQ Stainless - PX50 - PM40 - Z300 p.164 Z200 defrost - Z200 Power Force - Z700 Duo **ELECTRIC HEATERS** P.174 ■ RE/U p.175 • RED LINE **EXCHANGERS** P.178 Heat Line



HEATING

SWIMMING POOL HEATING SOLUTIONS

why choosing a heating system

Did you know it?

- Equipping the pool with an isothermal cover allows to divide the power need by 2!

 As a result, if 12kW is needed to heat a pool without isothermal cover, 6kW is enough to heat the same pool with isothermal cover.
- Using the heat pump when the outdoor air is the hottest will allow to maximize the performances (hence minimize the electricity consumption). Heating during hot sunny days and covering at night is the optimal solution!
- Covering the pool at night (or when the outdoor air T°C is fresher) with an isothermal cover, will slow down the decrease of pool T°C.

> PARAMETERS FOR CHOOSING A HEATING SYSTEM

To define a system suitable for a pool, many parameters need to be considered. The most important parameters (but non-exhaustive) are the ones below:

- 1. Average outdoor air temperature (°C)
- 2. Desired pool water target temperature (in °C)
- 3. Period of use
- 4. Pool volume (m3)
- 5. Presence of an isothermal cover or not
- 6. Filtration time

To consider all the parameters which impact the sizing of a heating system, online Zodiac configurators are available:

- For professionals, visit our pro space website: https://pro.zodiac-poolcare.com/
- For public use, visit our Zodiac website with a simplified and user-friendly interface: https://www.zodiac-poolcare.co.uk/ you **maximum comfort at a lower cost.**

The choice of heating equipment also depends on the energy source that will be used.



	Heat pumps	Electric heaters	Heat exchangers
COMPARATIVE TABLE OF RANGES		2	
Solution	Stand-alone, dedicated to the pool	Stand-alone, dedicated to the pool	Coupled to the domestic heating
Energy used	Electricity	Electricity	Domestic heating source (gas, oil, electricity, renewable, etc.)
Running cost	€*	€€€	€ to €€€**
Investment	€€	€	€
Advantages	Economical Efficient	Simple installation	Compatible with all heating systems
Uses	All open air or indoor pools	Spas and pools used at weekends or holiday homes	Indoor and outdoor pools close to the boiler in the house

^{*} A heat pump is a very efficient solution which can restitute great more power than it consumes thanks to its thermodynamic system.

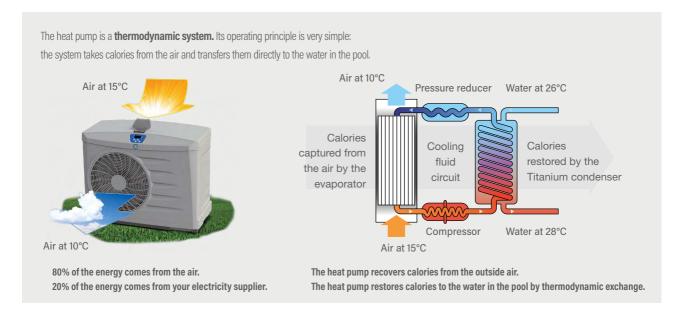
^{**} The running cost will depend on the heating source. If renewable (e.g solar energy), it will be very low. However, with a gas, oil or electricity heating source, the running costs will be higher.



The economical and ecological solution

Heat pumps are the ideal solution for heating the pool while also saving energy.

> HOW DOES IT WORK?



Heat pumps can be installed easily on pools under construction and on existing pools, by a simple electrical or hydraulic connection.

> ACTIVE OR PASSIVE DEFROSTING

When the outside temperature is low, the evaporator will tend to ice up, which reduces its efficiency: this ice must therefore be removed. There are 2 types of defrosting:

- Passive defrosting: By ventilation for a seasonal use (minimum outside air temperature > 5°C)

 Heat pump will stand by for a few minutes. Only the fan operates, forcing outside air to defrost naturally.

 This type of defrosting is only efficient when the outside air temperature is above +5°C, for a seasonal use only.
- Active defrosting: By cycle inversion for extended or full season (minimum outside air temperature <5°C)

 The refrigerating circuit is reversed, heat from the water in the pool is taken to defrost the evaporator. This allows operation at temperatures down to -12°C.

 This type of defrosting allows an extended use as it is able to defrost when the outside temperature is below +5.





HEATING

> UNDERSTANDING THE CONCEPT OF PERFORMANCE

Two main values characterise the performance of heat pumps: their power and their performance coefficient.

 Power, expressed in kW, indicates the quantity of heat transferred to the water.

It is expressed in specific climatic conditions to which the heat pump is exposed during use:

- Temperature of the outside air
- Humidity of the outside air
- Temperature of the water in the pool.

The power of a heat pump will mostly depend on the outside air temperature.

The hotter the air is, the higher the power in kW, hence the higher COP.

Power (kW)

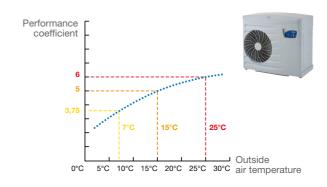
For instance (see graphic), a Z400iQ will restitute 9,96kW @15°C air / 26°C water / 70% humidity and 12,56kW @28°C air / 28°C water / 80% humidity.

Accordingly, it is very important to compare performances in the same conditions!

• The **coefficient of performance (COP)** is the ratio between the restituted power and the power consumption of the heat pump. As a result, it is the ratio at specific climatic conditions too.

As an example, a performance coefficient of 5 means that for 1 kWh consumed at the electricity meter, the heat supplies 5 times more energy to the water in the pool, or 5 kWh.

So the higher the performance coefficient, the more efficient and economical the system.



> ZODIAC® HEAT PUMPS: NF-CERTIFIED HEAT PUMPS

NF-certification for swimming pool heat pumps means:

- Certified performance (restituted power, consumed power, performance coefficient, noise level) measured in an accredited laboratory by a certification body.
- An annual performance test of products and information given in the catalogue.
- Certification of the manufacturer and annual audit to maintain this certification.
- Service guarantee to customers: appropriate after-sales service organisation, spare parts available for 10 years, etc.

A true measure of performance, quality and service commitment for its customers and the end consumer!



quality.









Zodiac® is the first manufacturer to offer NF-certified swimming pool heat pumps.



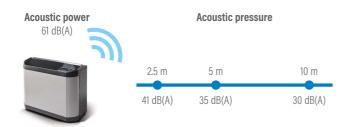
A silent installation

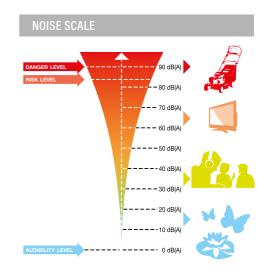
> MEASURING NOISE LEVEL ACCURATELY

The latest technologies used in the design of evaporators, fans and compressors make Zodiac® heat pumps extremely quiet.

The noise level should be measured by a certified body to obtain a real and objective value. It is expressed:

- Either as acoustic power dB(A): this is the unmodified noise level of the emitting source.
- Or as acoustic pressure dB(A): this is the sound level perceived by the human ear.
 It depends on the installation environment and distance at which the measurement is made. It must therefore always include a measuring distance.

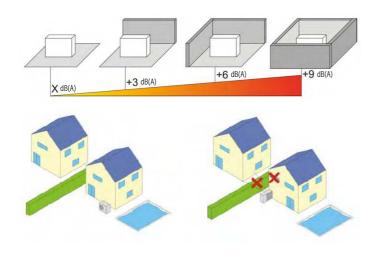




To compare the noise level of several machines, check what type of value you have, power or pressure, and if it is pressure then at what distance it is measured!

> OPTIMIZING THE INSTALLATION OF A HEAT PUMP

A heat pump system includes 'moving' parts (compressor, fan, etc.), vibrations from which can spread and build up.



To avoid or reduce disturbances, a few installation rules should be followed:

Favour open spaces (avoid corners or interior courtyards),
 because sound waves coming from all sides of the

system are reflected by the surfaces facing them.

- · Do not install the system below or facing a window.
- · Relative to neighbouring properties:
 - Install the system as far as possible from property boundaries.
 - The fan should not point towards neighbouring properties.

> REDUCE TRANSMISSION OF VIBRATIONS THROUGH THE BASE

- · Use suitable anti-vibration blocks.
- Renew them if necessary to absorb vibrations, because they lose effectiveness over time.
- Build a mounting base. It should weigh at least twice as much as the heat pump.
 It must be independent from a building.



Anti-vibration blocks (ref : WAP3064)



Mounting base



> ACOUSTIC POWER & PRESSURE TABLE

	Acoustic Power (Lw)		(Aco Based on		essure (L _l 4-1:2010+				d)	
	(dB(A))	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Z 200 M2 / MD2	66	52	48	45	42	41	39	38	37	36	35
Z 200 M3 / MD3	67	53	49	46	43	42	40	39	38	37	36
Z 200 M4/ MD4	69	55	50	47	45	43	42	40	39	38	37
Z 200 M5 / MD5	72	58	53	50	48	46	45	43	42	41	41
Z 300 M4	67	53	48	45	43	41	40	39	38	37	36
Z 300 M5	68	54	49	46	44	42	41	40	39	38	37
Z 300 M7	70	56	51	48	46	44	43	42	41	40	39
Z 300 T5	67	53	48	45	43	41	40	39	38	37	36
Z400iQ MD4-Silent mode	61	47	42	39	37	35	34	33	32	31	30
Z400iQ MD4-Standard mode	64	50	45	42	40	38	37	36	35	34	33
Z400iQ MD5-Silent mode	63	49	44	41	39	37	36	35	34	33	32
Z400iQ MD5-Standard mode	65	51	46	43	41	39	38	37	36	35	34
Z400iQ MD7-Silent mode	63	48	44	41	39	37	36	35	34	33	32
Z400iQ MD7-Standard mode	66	51	47	44	42	40	39	38	37	36	35
Z400iQ TD7-Silent mode	66	51	47	44	42	40	39	38	37	36	35
Z400iQ TD7-Standard mode	68	53	49	46	44	42	41	40	39	38	37
Z400iQ MD8-Silent mode	61	46	42	39	37	35	34	33	32	31	30
Z400iQ MD8-Standard mode	64	49	45	42	40	38	37	36	35	34	33
Z400iQ TD8-Silent mode	62	47	43	40	38	36	35	34	33	32	31
Z400iQ TD8-Standard mode	65	50	46	43	41	39	38	37	36	35	34
Z400iQ MD9-Silent mode	62	47	43	40	38	36	35	34	33	32	31
Z400iQ MD9-Standard mode	64	49	45	42	40	38	37	36	35	34	33
Z400iQ TD9-Silent mode	63	48	44	41	39	37	36	35	34	33	32
Z400iQ TD9-Standard mode	66	51	47	44	42	40	39	38	37	36	35
Z550iQ MD4 - 50% capacity	54	40	35	32	30	28	27	26	25	24	23
Z550iQ MD4 - 100% capacity	62	48	43	40	38	36	35	34	33	32	31
Z550iQ MD5 - 50% capacity	57	43	38	35	33	31	30	29	28	27	26
Z550iQ MD5 - 100% capacity	66	52	47	44	42	40	39	38	37	36	35
Z550iQ TD5 - 50% capacity	56	42	37	34	32	30	29	28	27	26	25
Z550iQ TD5 - 100% capacity	66	52	47	44	42	40	39	38	37	36	35
Z550iQ MD8 - 50% capacity	53	39	34	31	29	27	26	25	24	23	22
Z550iQ MD8 - 100% capacity	67	53	48	45	43	41	40	39	38	37	36
Z550iQ TD8 - 50% capacity	57	43	38	35	33	31	30	29	28	27	26
Z550iQ TD8 - 100% capacity	67	53	48	45	43	41	40	39	38	37	36



	Acoustic Power (Lw)			Ac (Based o			p) at n m -A11:2012			d)	
	(dB(A))	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
PM40 MD1 - Silent mode	62	49	44	41	39	37	36	34	33	32	31
PM40 MD1 - Standard mode	63	50	45	42	40	38	37	35	34	33	32
PM40 MD2 - Silent mode	64	50	45	42	40	38	37	36	34	34	33
PM40 MD2 - Standard mode	66	52	47	44	42	40	39	38	36	36	35
PM40 MD3 - Silent mode	64	50	45	42	40	38	37	36	35	34	33
PM40 MD3 - Standard mode	67	53	48	45	43	41	40	39	38	37	36
PM40 MD4 - Silent mode	64	50	45	42	40	38	37	36	35	34	33
PM40 MD4 - Standard mode	67	53	48	45	43	41	40	39	38	37	36
PM40 MD5 - Silent mode	64	50	46	43	40	39	37	36	35	34	33
PM40 MD5 - Standard mode	69	55	51	48	45	44	42	41	40	39	38
PM40 MD7 - Silent mode	72	58	54	51	48	47	45	44	43	42	41
PM40 MD7 - Standard mode	74	60	56	53	50	49	47	46	45	44	43
PM40 MD8 - Silent mode	76	61	57	54	52	50	49	47	46	45	44
PM40 MD8 - Standard mode	77	62	58	55	53	51	50	48	47	46	45
PM40 TD7 - Silent mode	74	60	56	53	50	49	47	46	45	44	43
PM40 TD7 - Standard mode	75	61	57	54	51	50	48	47	46	45	44
PM40 TD8 - Silent mode	73	58	54	51	49	47	46	44	43	42	41
PM40 TD8 - Standard mode	76	61	57	54	52	50	49	47	46	45	44
PM40 TD12- Silent mode	75	60	56	53	51	49	48	47	46	45	44
PM40 TD12 - Standard mode	76	61	57	54	52	50	49	48	47	46	45
PX50 MD3 - 20% capacity	53	39	34	31	29	27	26	25	23	22	22
PX50 MD3 - 100% capacity	65	52	47	44	42	40	39	37	36	35	34
PX50 MD4 - 20% capacity	54	40	35	32	30	28	27	25	24	23	23
PX50 MD4 - 100% capacity	67	53	48	45	43	41	40	38	37	36	36
PX50 MD5 - 20% capacity	54	40	36	33	31	29	27	26	25	24	23
PX50 MD5 - 100% capacity	71	56	52	49	47	45	44	42	41	40	39
PX50 MD6 - 20% capacity	55	41	36	33	31	29	28	26	25	24	23
PX50 MD6 - 100% capacity	71	57	52	49	47	45	44	43	42	41	40
PX50 MD7 - 20% capacity	56	41	37	34	32	30	28	27	26	25	24
PX50 MD7 - 100% capacity	73	58	54	51	49	47	45	44	43	42	41
PX50 MD9 - 20% capacity	56	42	37	34	32	31	29	28	27	26	25
PX50 MD9 - 100% capacity	73	59	55	52	50	48	46	45	44	43	42
PX50 MD/TD11 - 20% capacity	58	43	38	36	33	32	30	29	28	27	26
PX50 MD/TD11 - 100% capacity	75	60	55	53	51	49	48	46	45	44	43
PX50 MD/TD12 - 20% capacity	58	43	39	36	34	32	31	30	29	28	27
PX50 MD/TD12 - 100% capacity	75	60	56	53	51	49	48	47	46	45	44
Z700 Duo MD5	67	52	48	45	43	42	40	39	38	37	36
Z700 Duo MD8	65	49	45	42	40	39	37	36	35	34	33
Z700 Duo TD5	67	52	48	45	43	42	40	39	38	37	36
Z700 Duo TD8	65	49	45	42	40	39	37	36	35	34	33
Power force 25T	70	52	49	46	45	43	42	41	40	39	38
Power force 35T	71	52	49	47	45	44	42	41	40	39	39



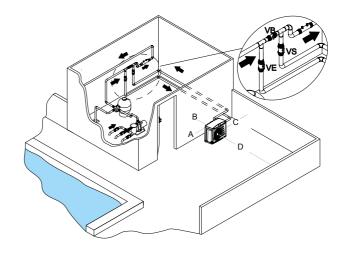
> INSTALLATION RECOMMENDATIONS

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
- On a stable, solid and level surface.
- · Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

INSTALLATION OF A HORIZONTAL HEAT PUMP

Minimum free area in meter

	Α	В	C	D
Z200 / Z200D	0,5	0,5	0,8	2,5
Z300	0,5	0,5	0,8	2,5
PM40	0,5	0,5	0,8	2,5
PX50	0,5	0,5	0,8	2,5
POWERFORCE	0,5	0,5	0,8	2,5



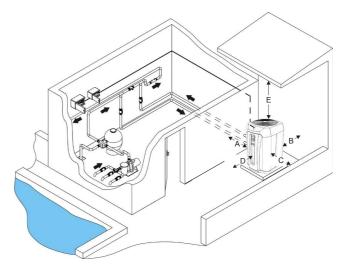
INSTALLATION OF A VERTICAL HEAT PUMP

Minimum free area in meter

	A	В	C	D	E
Z400iQ	0,5	0,5	0,5	0,5	2
Z550iQ	0,5	0,5	0,5	0,5	2

These schemes show the recommended distances for maximum efficiency and ease of maintenance. Alternative installation layout may be considered, with possible impacts on performances and serviceability.

For complete installation instructions, please refer to the user manual.



VERTICAL VS HORIZONTAL BLOWING

Vertical blowing has 2 main advantages:

- It is typically suitable for small spaces as a reduced free area is required around the unit.
- With a same sound level between a horizontal and vertical heat pump, the perceived sound level will be lower for vertical heat pumps because the air is blown upwards.

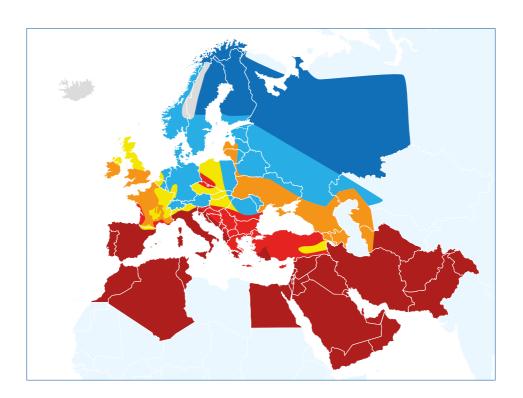
CHOOSING A HEAT PUMP WITH AN AUTOMATIC COOLING MODE

It is not recommended to maintain the temperature of the water in the pool at a higher temperature than +30°C to prevent water quality from deteriorating, turning green and damaging the liner. In hot areas, during hot seasons or if the pool is equipped with a shelter, it is common that the pool water temperature can exceed +30°C.

A heat pump with an automatic cooling mode will stabilize the pool water temperature at the desired target, below 30°C.



> CLIMATE ZONES









Caribbean Islands, Reunion Island, Canary Islands are part of zone 7.



The economical and ecological solution

	COMPARATIVE	Z200	Z200D	Z300	PM40
	TABLE				
					Sxonrec
	OF RANGES				
	TECHNICAL SPECIFICATIONS	Walls -	Maria -		
	Claims	Pool heating made simple	Pool heating made simple	High performance and quiet-certified	The silent On-Off solution
	Maximum pool size (m³) *	80	80	110	190
ion	Min Air T°C	+5°C	-5°C	+5°C	-8°C
elect	Seasonality	Season	Extended season	Season	Extended season
re-s	Technology	ON-OFF	ON-OFF	ON-OFF	ON-OFF
ast p	Cooling mode	X	Х	Х	√
oraf	App control (wifi)	X	X	X	X
Key drivers for a fast pre-selection	Air blowing type	++ Horizontal	++ Horizontal	++ Horizontal	++ Horizontal
driv	Free area around the heat pump	++	++	++	++
Key	Electric power supply	Single-phase	Single-phase	Single-phase and three phase	Single-phase and three phase
	Can be installed indoor	X	Х	√	Х
	Range of powers (@28°C Air / 28°C Water)	6.7 kW to 14. 8kW (4 powers)	6.7 kW to 14.8 kW (4 powers)	9 kW to 16.1 kW (4 powers)	4.7 kW to 32 kW (10 powers)
seou	Range of powers (@15°C Air / 26°C Water)	4.8 kW to 10.1 kW (4 powers)	4.8 kW to 10.1 kW (4 powers)	7.6 kW to 13.7 kW (4 powers)	3.2 kW to 23 kW (10 powers)
rmar	Noise level	+	+	+	++
Performances	Compressor type	ON/OFF	ON/OFF	ON/OFF	ON/OFF
	Fan type	+ ON/OFF	+ ON/OFF	+ ON/OFF	ON/OFF (2 speeds)
	Gas type	R32	R32	R410A	R32/R410A
uo	Power in kW @28°C	14,8 kW	14,8 kW	13 kW	14,7 kW
paris rs ater)	COP @28°C	4,6	4,6	5,5	6,2
com oowe	Power in kW @15°C	10,1 kW	10,1 kW	10,4 kW	10,5 kW
rmances compari: at close powers \$15°c air / 26°c water)	COP @15°C	4	4	4,7	4,8
Performances comparison at close powers (@15°c air / 26°c water)	Acoustic power (dB)	72	72	68	Standard: 69 Silence: 64
Peri	Acoustic pressure (dB) @10m	41	41	37	Standard: 38 Silence: 33
	Number of modes	1	1	1	2 (Automatic)
Modes	Silence mode	X	Х	Х	(Automatic, fan only)
ž	Smart mode	X	X	Х	X
	Boost/Standard mode	✓	✓	✓	✓
ical	Defrosting type	++ Forced ventilation	+++ Cycle inversion	++ Forced ventilation	+++ Cycle inversion
Technical features	Casing	Polypropylene	Polypropylene	Polypropylene	Galvanized steel
F -	OTA (over-the-air firmware update)	Х	Х	Х	Х
e e	Heating priority (filtration control)	✓	✓	✓	√
Ease of use	Remote HMI	√	√	√	√
ınty	HMI type Heat Pump	LCD 3 years	LCD 3 years	LCD 3 years	2 years
Warranty	Condenser	5 years	5 years	5 years	(3 years for France) 5 years
	Conuciisei	• Winter cover	• Winter cover	• Winter cover	• Winter cover
sorie		Condensate drain kit	Condensate drain kit	Condensate drain kit	Condensate drain kit
ces		• PVC and gaskets, 1/2 unions, Ø	• PVC and gaskets, 1/2 unions, Ø	• PVC and gaskets, 1/2 unions,	• PVC and gaskets, 1/2 unions,
ed Ac		40 & Ø 50 • Anti-vibration pads	40 & Ø 50	Ø 50	Ø 50
Included Accessories		• Anti-vibration pags	Anti-vibration pads	Anti-vibration pads	 Anti-vibration pads Remote control kit (including 10m extension cable).
Ø		Remote control kit (new display + 20m wire)	Remote control kit (new display + 20m wire)	Remote control kit (new display + 20m wire)	
Optional accessories		Wall mounting kit	Wall mounting kit	Wall mounting kit	
Optional		9		Technical room kit	
ä				Condensate tray	
AC					
NF PAC				*NF	

^{*} For a pool with cover, depth 1,5m, zone 7, 14h filtration time, from May to September, target temperature @28°C. ** @ minimum compressor speed



> AN ECOLOGICAL SOLUTION

From the energy in the air and using its compressor, **the heat pump supplies 4 to 5 times more power than it consumes.**



	COMPARATIVE TABLE	PX50	Z400iQ	Z550iQ	POWER FORCE
	OF RANGES TECHNICAL SPECIFICATIONS				0
	Claims	Full Inverter Technology	Elegant and discrete	The eco-silent choice	Small to medium public pool
	Maximum pool size (m³) *	195	145	120	305
.e	Min Air T°C	-12°C	-12°C	-12°C	-12°C
electi	Seasonality	All year round	All year round	All year round	All year round
re-sc	Technology	FULL INVERTER	ON-OFF	FULL INVERTER	ON-OFF
fast p	Cooling mode	√	√	✓	√
or a f	App control (wifi)	X	✓ (embedded)	√ (embedded)	X
Key drivers for a fast pre-selection	Air blowing type	++ Horizontal	+++ Vertical	+++ Vertical	++ Horizontal
ey dr	Free area around the heat pump	++	+++	+++	++
X X	Electric power supply	Single-phase and three phase	Single-phase and three phase	Single-phase and three phase	Three phase
	Can be installed indoor	X	X	√	X
	Range of powers (@28°C Air / 28°C Water)	9 kW to 35 kW (10 powers)	9.83 kW to 22.05 KW (3 powers)	12.5 kW to 20 kW (3 powers)	33 kW and 45,5 kW (2 powers)
ces	Range of powers (@15°C Air / 26°C Water)	6.3 kW to 24 kW (10 powers)	7.94 kW to 17.5 kW (3 powers)	9,5 kW to 15 kW (3 powers)	28,7 kW and 37 kW (2 powers)
rmar	Noise level	+++	++	+++	++
Performances	Compressor type	+++ Inverter	++ ON/OFF"	+++ Inverter	ON/OFF
	Fan type	+++ Inverter	ON/OFF (2 speeds)	+++ Inverter	+++ Inverter
	Gas type	R32/R410A	R32/R410A	R410A	R410A
LO CO	Power in kW @28°C	13,5 kW	12,56 kW	12,5 kW	33 kW
paris ers ater)	COP @28°C	16**	5,23	7,6**	5,4
com powe	Power in kW @15°C	9,4 kW	9,96 kW	9,5 kW	28,7 kW
formances compari at close powers (@15°c air / 26°c water)	COP @15°C	8** Boost: 71	4,40 Standard: 65	5,7** Boost: 62	5,1
Performances comparison at close powers (@15°c air / 26°c water)	Acoustic power (dB)	Silent: 54 Boost: 39	Silent: 63 Standard: 34	Silent: 54 Boost: 31	70
	Acoustic pressure (dB) @10m	Silent: 23	Silent: 32	Silent: 23	38
	Number of modes	3 (Automatic or manual)	2 (Automatic or Manual)	3 (Automatic or manual)	2 (Automatic)
Modes	Silence mode	(Automatic or manual, Fan + Compressor)	(Automatic or manual, fan only)	(Automatic or manual, Fan + Compressor)	(Automatic, fan only)
_	Smart mode	√	X	√	X
	Boost/Standard mode	(Automatic or manual)	√	(Automatic or manual)	√
la S	Defrosting type	Cycle inversion	Cycle inversion	Cycle inversion	Cycle inversion
Technical features	Casing	Galvanized steel + ABS top panel	Polypropylene body + galvanized steel (or stainless steel depending on the version) front panel	Polypropylene	Galvanized steel, epoxy painted body
	OTA (over-the-air firmware update)	Х	✓	✓	X
use	Heating priority (filtration control)	✓	✓	✓	✓
Ease of use	Remote HMI	✓	App'	App'	√
	HMI type	LCD LED	LCD LED	LCD LED	LCD
Warranty	Heat Pump	2 years (3 years for France)	3 years	3 years	3 years
× ×	Condenser	5 years	5 years	5 years	5 years
ories		Winter cover Condensate drain kit	Winter cover Condensate drain kit	Winter cover Condensate drain kit	Condensate drain kit
cess		PVC and gaskets, 1/2 unions,	PVC and gaskets, 1/2 unions,	PVC and gaskets, 1/2 unions,	PVC and gaskets, 1/2 unions,
d Ac		Ø 50	Ø 50	Ø 50	Ø 50
Included Accessories		 Anti-vibration pads Remote control kit (including 	 Anti-vibration pads Free mobile app 	Anti-vibration padsFree mobile app	Anti-vibration pads
		10m extension cable).	• rree mobile app		Remote control kit (new display
Optional accessories				Technical room kit Condensate tray	+ 20m wire) • Condensate tray
NF PAC			(MD4 and MD5 only)	NF	NF

 $^{^*}$ For a pool with cover, depth 1,5m, zone 7, 14h filtration time, from May to September, target temperature @28°C.

^{** @} minimum compressor speed



























Z550iQ



- + Full inverter technology: silent and economical
- + Fits easily into small spaces
- + Embedded connectivity

- Vertical blowing
- Polypropylene body
- · LCD (LED) display
- Embedded wi-fi with dedicated app
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Full inverter Technology (variable speed compressor and fan) 3 operating modes:
- Boost: max power for fast heat-up
- Smart: automatic power adjustment from Ecosilence to Boost depending on the water temperature of the pool and the outside air
- Ecosilence: reduced power to further energy savings and the lowest noise level
- · Automatic cooling mode
- Automatic defrosting (cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- Inverter, scroll compressor
- DC fan, variable speed (inverter)

ACCESSORIES INCLUDED IN THE PACK

OPTIONAL ACCESSORIES

Winter cover

unions, Ø 50

- · Condensate drain kit • PVC and gaskets, 1/2
- · Free mobile app

Cleaning kit HP - WMA03491 Anti-vibration feet

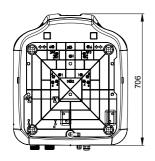
TECHNICAL FEATURES							
Model	Z550iQ MD4	Z550iQ MD5	Z550iQ TD5	Z550iQ MD8	Z550iQ TD8		
Standard Model	WH000365	WH000366	WH000367	WH000368	WH000369		
Recommended water flow (m³/h)	4		5	6			
Hydraulic connection		I	PVC ½ unions, ø50 , glue	ed			
Electric power supply	220-240V / 1	N~ / 50-60Hz	380-400V / 3N~/ 50-60Hz	220-240V / 1 N~ / 50-60Hz	380-400V / 3N~/ 50-60Hz		
Nominal operating power (A)	9,6 - 5	12 - 4,9	5,9 - 1,6	17,6 - 7,5	6 - 3,5		
Maximum operating power (A)	12,5	13,8	6	20	8		
Recommended Power cable size*	3 x	2.5	5 x 2.5	3 x 6	5 x 2.5		
Refrigerant fluid			R410A				
Refrigerant fluid quantity (kg)	1,30	1	,50	2,40	2,60		
Acoustic Power (dB(A)) @ max-min speed	62 - 54	66 - 57	66 - 56	67 - 53	67 - 57		
Acoustic pressure at 10m (dB(A)) @ max-min speed**	31 - 23	35 - 26	35 - 25	36 - 22	36 - 26		

HEATING PERFORMANCE					
Model	Z550iQ MD4	Z550iQ MD5	Z550iQ TD5	Z550iQ MD8	Z550iQ TD8
AIR 28°C / WATER 28°C / HUMI	D. 80%				
Operating power (kW @ max-min speed)	12,5 - 7,9	15 -7,6	15,5 - 7,1	20 - 10,8	20 - 11,2
Consumed power (kW @ max-min speed)	2 - 1,05	2,5 - 1,05	2,4 - 0,65	3,6 - 1,55	3,5 - 1,55
COP @ max-min speed	6,1 - 7,6	5,9 -7,4	6,6 - 10,9	5,5 - 7	5,8 - 7,7
AIR 15°C / WATER 26°C / HUMI	D. 70% NF				
Operating power (kW @ max-min speed)	9,5 - 5,5	11,5	- 5,8	15 - 7,8	15 - 8,2
Consummed power (kW @ max-min speed)	1,9 - 0,95	2,5 - 1,1	2,4 - 0,8	3,7 - 1,65	3,1 - 1,4
COP @ max-min speed	4,9 - 5,7	4,6 - 5,4	4,9 - 7,2	4,1 - 4,8	4,9 - 6

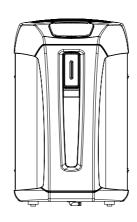
^{*}Cable not provided. Recommended section for a maximum length of 20 meters.
**According to EN60704-1:2010+A11:2012 standard

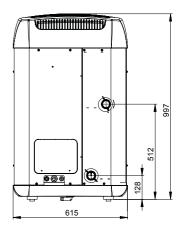


WEIGHT AND DIMENS	IONS				
Model	Z550iQ MD4	Z550iQ MD5	Z550iQ TD5	Z550iQ MD8	Z550iQ TD8
Weight (kg)	54	60	60	70	70









For complete technical & dimensional details, refer to the datasheet/user manual.

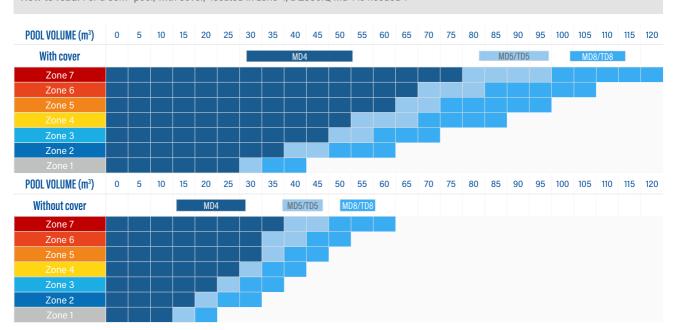
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z550iQ MD4 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing

























Z400iQ



- + Unique design
- + Quiet & discrete
- + Embedded connectivity

- Vertical air outlet
- Polypropylene and galvanized steel, epoxy painted (body) or pre-painted (front panel)
- LCD (LED) display
- Embedded wi-fi with dedicated app
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- 2-speed fan with automatic noise reduction
- Standard / Silence mode selection
- Automatic cooling mode
- Automatic defrosting (forced ventilation and cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

Cleaning kit HP - WMA03491

- Winter cover
- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 50
- Anti-vibration feet
- Free mobile app

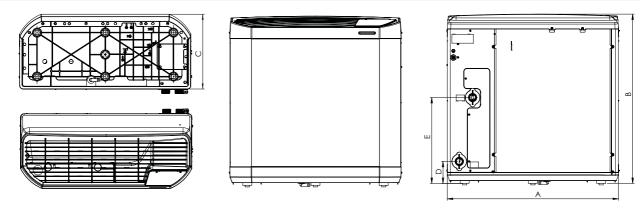
TECHNICAL FEATURES									
Model	MD4	MD5	MD7	TD7	MD8	TD8	MD9	TD9	
Aluminium Grey (RAL 7006)	WH000382	WH000383	WH000291	WH000385	WH000295	WH000387	WH000299	WH000389	
NF pac certification	NF	NF							
Recommended water flow (m³/h)	4	5		6	7	7	3	3	
Hydraulic connection		PVC ½ unions, ø 50, glued							
Electric power supply	220-	240V / 1 N~ /	50Hz	380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz	
Nominal operating power (A)	6,9	10,1	13,4	6,1	17	7,7	19,4	8,8	
Maximum operating power (A)	10	15	19	7,4	28	9,2	32	11,4	
Recommended Power cable size*		3 x 2.5		5 x 2.5	3 x 6	5 x 2.5	3 x 6	5 x 2.5	
Refrigerant fluid	R	32	R410A	R32	R410A	R32	R410A	R32	
Refrigerant fluid quantity (kg)	0,87	0,99	1,45	1,18	1,80	1,59	1,80	1,59	
Acoustic Power (dB(A) in Standard / Silence mode)	64 / 61	65 / 63	66 / 63	68 / 66	64 / 61	65 / 62	64 / 62	66 / 63	
Acoustic pressure at 10m (dB(A) in Standard / Silence mode)**	33 / 30	34 / 32	35 / 32	37 / 35	33 / 30	34 / 31	33 / 31	35 / 32	

HEATING PERFORMANCE								
Model	MD4	MD5	MD7	TD7	MD8	TD8	MD9	TD9
AIR 28°C / WATER 28°C / HUM	ID. 80%		-					
Operating power (kW)	9,83	12,56	15	,62	18	,65	22	,05
Consumed power (kW)	1,67	2,34	3,20	2,97	3,82	3,51	4,51	4,25
COP	5,89	5,23	4,89	5,25	4,89	5,32	4,90	5,19
AIR 15°C / WATER 26°C / HUMI	D. 70% NF							
Operating power (kW)	7,94	9,96	12	,40	14	,80	17	50
Consumed power (kW)	1,61	2,26	2,95	2,87	3,52	3,54	4,16	4,07
COP	4,93	4,40	4,20	4,32	4,20	4,18	4,21	4,29

^{*}Cable not provided. Recommended section for a maximum length of 20 meters.
**According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS											
Model	MD4	MD5	MD7	TD7	MD8	TD8	MD9	TD9			
Weight (kg)	70	71	90	94	10	1	110				
Dimensions (mm)											
A		10	030		1145						
В	87	72			1018						
C		4	149		480						
D		1	132		125						
E		Į	516		510						



For complete technical & dimensional details, refer to the datasheet/user manual.

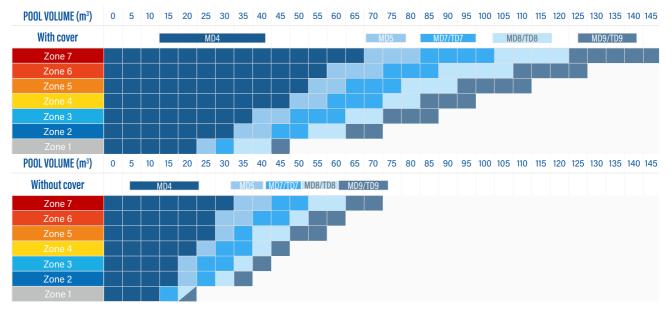
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z400iQ MD4 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing























Z400iQ Stainless



- + Unique design
- + Quiet & discrete
- + Embedded connectivity

DESCRIPTION

- Vertical air outlet
- Polypropylene and galvanized steel, epoxy painted (body). 316L Stainless Steel front panel
- LCD (LED) display
- Embedded wi-fi with dedicated app
- Heating priority mode (filtration pump control)
- 2-speed fan with automatic noise reduction
- Standard / Silence mode selection
- Automatic cooling mode
- Automatic defrosting (cycle inversion and forced ventilation)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

Cleaning kit HP - WMA03491

- Winter cover
- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 50
- Anti-vibration feet
- · Free mobile app

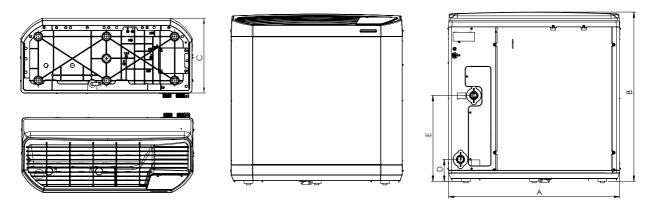
Model	MD4 S	MD5 S	MD7 S	TD7 S	MD8 S	TD8 S	MD9 S	TD9 S		
Standard Model	WH000398	WH000399	WH000357	WH000401	WH000359	WH000403	WH000351	WH000405		
NF pac certification	NF	NF								
Recommended water flow (m³/h)	4 5 6 7				7		8			
Hydraulic connection		PVC ½ unions, ø 50 , glued								
Electric power supply	220-	220-240V / 1 N~ / 50Hz			220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz		
Nominal operating power (A)	6,9	10,1	13,4	6,1	17	7,7	19,4	8,8		
Maximum operating power (A)	10,1	15	19	7,4	28	9,2	32	11,4		
Recommended Power cable size*		3 x 2.5		5 x 2.5	3 x 6	5 x 2.5	3 x 6	5 x 2.5		
Refrigerant fluid	R	32	R410A	R32	R410A	R32	R410A	R32		
Refrigerant fluid quantity (kg)	0,87	0,99	1,45							
Acoustic Power (dB(A) in Standard / Silence mode)	64 / 61	65 / 63	66 / 63	68 / 66	64 / 61	65 / 62	64 / 62	66 / 63		
Acoustic pressure at 10m (dB(A) in Standard / Silence mode)**	33 / 30	34 / 32	35 / 32	37 / 35	33 / 30	34 / 31	33 / 31	35 / 32		

HEATING PERFORMANCE								
Model	MD4 S	MD5 S	MD7 S	TD7 S	MD8 S	TD8 S	MD9 S	TD9 S
AIR 28°C / WATER 28°C / HUM	ID. 80%							
Operating power (kW)	9,83	12,56	15,	,62	18,	65	22	,05
Consumed power (kW)	1,67	2,34	3,20	2,97	3,82	3,51	4,51	4,25
COP	5,89	5,23	4,89	5,25	4,89	5,32	4,90	5,19
AIR 15°C / WATER 26°C / HUM	ID. 70% NF							
Operating power (kW)	7,94	9,96	12,	40	14	.80	17,	50
Consumed power (kW)	1,61	2,26	2,95	2,87	3,52	3,54	4,16	4,07
COP	4,93	4,40	4,20	4,32	4,20	4,18	4,21	4,29

^{*}Cable not provided. Recommended section for a maximum length of 20 meters. **According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS										
Model	MD4 S	MD5 S	MD7 S	TD7 S	MD8 S	TD8 S	MD9 S	TD9 S		
Weight (kg)	70	70 71 90 94 105					1	10		
Dimensions (mm)										
А		10	030			11	45			
В	8.	72			1018					
C		449				4	80			
D		132				12	25			
E		516				5	10			



For complete technical & dimensional details, refer to the datasheet/user manual.

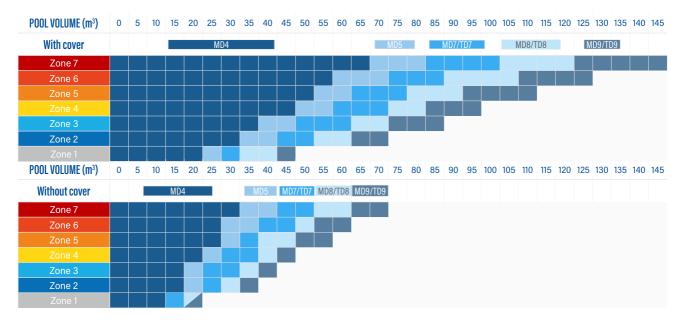
HEAT PLIMPS SELECTION GLIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z400iQ MD4 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing



PX50

















- + Full Inverter Technology: silent and economical
- + Intelligent heating regulation with power mode selection
- + Wide range of powers

- Horizontal blowing
- Galvanized, epoxy painted body and ABS covering
- · LCD (LED) display, detachable
- Heating priority mode (filtration pump control)
- Timed mode
- Full inverter technology (variable speed compressor and fan) featuring 3 operating modes:
- Boost: max power for fast heat-up
- Smart: automatic power adjustment from Ecosilence to Boost depending on the water temperature of the pool and the outside air
- Ecosilence: reduced power to further energy savings and the lowest noise level
- Automatic defrosting
- Automatic cooling mode (cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- Inverter, rotary vane compressor
- DC fan, variable speed (inverter)

ACCESSORIES INCLUDED IN THE PACK

Cleaning kit HP - WMA03491

- · Winter cover Anti-vibration feet
- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 50
- Remote control kit (with 10m cable)

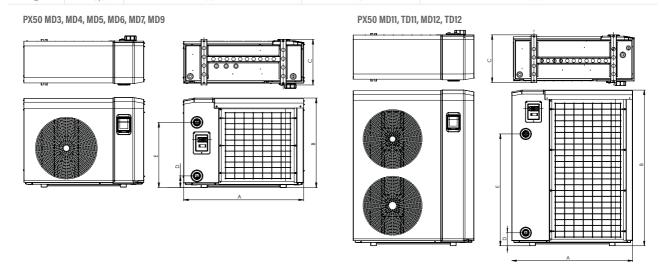
TECHNICAL FEATURES										
Model	MD3	MD4	MD5	MD6	MD7	MD9	MD11	MD12	TD11	TD12
Standard Model	WH000428	WH000429	WH000430	WH000431	WH000432	WH000433	WH000434	WH000436	WH000435	WH00043
Recommended water flow (m³/h)	4	5	6	7	8	10	13			
Hydraulic connection				Р	VC ½ unior	ıs, ø50 , glu	ed			
Electric power supply			4	220-240 V /	1 / 50-60 H	Z				V / 3N ~ / 60Hz
Nominal operating power (A)	4,6	5,9	7,2	9,2	10,5	13,2	17	22,9	7	8,4
Maximum operating power (A)	6,4	8,3	10	13	14,7	18,5	24	32	9,8	11,8
Recommended Power cable size*	3 x	1,5		3 x 2,5		3	x 4	3 x 6	5 x 2,5	5 x 4
Refrigerant fluid				R	32				R4	10A
Refrigerant fluid quantity (kg)	0,72	0,55	0,80	0,81	1,50	1,70	2,	40	3,00	4,00
Acoustic Power (dB(A)) @ max-min speed	65 - 53	67 - 54	71 - 54	71 - 55	73	- 56	75 - 58			
Acoustic pressure at 10m (dB(A)) @ max-min speed**	34 - 22	36 - 23	39 - 23	40 - 23	41 - 24	42 - 25	43 - 26	44 - 27	44 - 26	44 - 27

HEATING PERFORMANC	E									
Model	MD3	MD4	MD5	MD6	MD7	MD9	MD11	MD12	TD11	TD12
AIR 28°C / WATER 28°C / HU	JMID. 80%									
Operating power (kW @ max-min speed)	9 - 1,9	10,5 - 2,1	13,5 - 2,5	16,5 - 3	19,5 - 3,5	25 - 4,5	31 - 5,6	35 - 7,6	31 - 5,6	35 - 7,6
Consumed power (kW @ max-min speed)	1,6 - 0,2	1,8 - 0,2	2,2 - 0,2	2,8 - 0,2	3,3 - 0, 3	4,2 - 0,3	5,3 - 0,4	5,9 - 0,5	5,3 - 0,4	5,9 - 0,5
COP @ max-min speed					5,8	- 16				
AIR 15°C / WATER 26°C / HU	JMID. 70%									
Operating power (kW @ max-min speed)	6,3 - 1,9	7,6 - 2	9,4 - 2	11,2 - 2,5	13,7 - 3	17,7 - 4	22,1 - 5,4	24 - 5,6	22,1 - 5,4	24 - 5,6
Consummed power (kW @ max-min speed)	1,4 - 0,3	1,8 - 0,3	2,1 - 0,3	2,5 - 0,3	3,1 - 0,4	4 - 0,5	5 - 0,7	5,4 - 0,7	5 - 0,7	5,4 - 0,7
COP @ max-min speed		4,5- 8								

^{*}Cable not provided. Recommended section for a maximum length of 20 meters.
** According to EN60704-1:2010+A11:2012 standard



DIMENSIONS (MM) AND WEIGHT											
Model	MD3	MD4	MD5	MD6	MD7	MD9	MD11	MD12	TD11	TD12	
Weight (kg)	52	58	61	62	89	92	120	126	123	128	
Α	859	985		10	74		10	139			
В	641		736		94	41	1339				
С	357	375			39	95	410				
D	97	97			10	07		112			
Е	446,5	537			70	07		9	62		



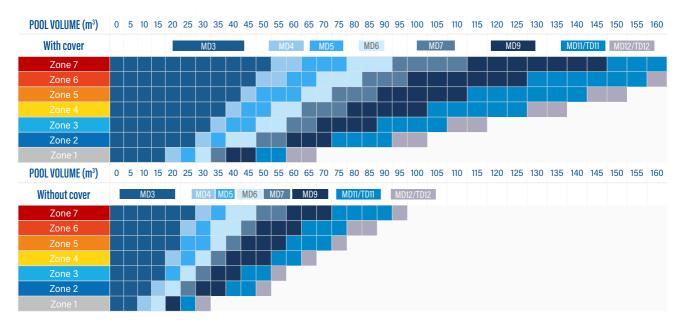
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a PX50 MD3 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing



PM40



















- + Reversible operation down to -8°C outdoor air temperature
- + 2-speed ventilation with automatic silent mode
- + Wide range of powers

DESCRIPTION

- Horizontal blowing
- Galvanized, epoxy painted body
- LCD (LED) display, detachable
- Heating priority mode (filtration pump control)
- Timed mode
- 2-speed fan with automatic noise reduction
- Automatic defrosting (cycle inversion)
- Minimum operating temperature: -8°C
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane or Scroll

Cleaning kit HP - WMA03491 Technical Room Kit - WH000202 Condensate tray, Z550iQ - R07240

- Winter cover
- Condensate drain kit
- PVC and gaskets, unions, Ø 50
- Anti-vibration feets
- Remote control kit (with 10m cable)

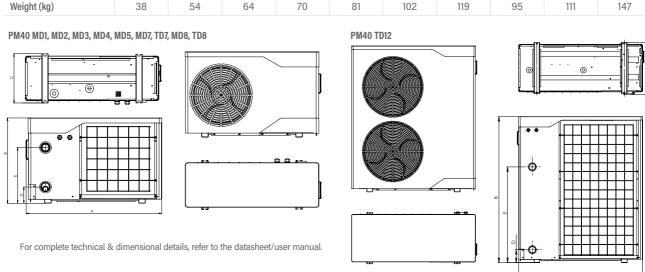
TECHNICAL FEATURES											
Model	MD1	MD2	MD3	MD4	MD5	MD7	MD8	TD7	TD8	TD12	
Standard Model	WH000418	WH000419	WH000420	WH000421	WH000422	WH000488	WH000426	WH000423	WH000425	WH000489	
Recommended water flow (m³/h)	2,5	3	5	6	7	9	12	9	12	16	
Hydraulic connection		PVC unions, ø38 (1"1/2), glued									
Electric power supply		220-240V / 1 N~ / 50Hz						380-40	00V / 3N~/ 50-60Hz		
Nominal operating power (A)	4,1	6,2	8,9	9,7	11	13,5	16,8	5,1	5,62	10,1	
Maximum operating power (A)	5,2	8,8	10,7	12,3	13,1	20,3	23	7,9	9,8	13,6	
Recommended Power cable size*	3 x 1.5		3 x	2.5		3)	< 4	5 x 2.5 5 x 4			
Refrigerant fluid			R	32			R410A		R32		
Refrigerant fluid quantity (kg)	0,40	0,75	0,90	1,10	1,15	1,10	2,30	1,10	1,45	2,20	
Acoustic Power (dB(A) in Standard / Silence mode)	63 / 62	66 / 64	67	/ 64	69 / 64	74 / 72	77 / 76	75 / 74	76 / 73	76 / 75	
Acoustic pressure at 10m (dB(A) in Standard / Silence mode)**	32 / 31	35 / 33	36	/ 33	38 / 33	43 / 41	45 / 44	44 / 43	44 / 41	45 / 44	

HEATING PERFORMANCI										
Model	MD1	MD2	MD3	MD4	MD5	MD7	MD8	TD7	TD8	TD12
AIR 28°C / WATER 28°C / HU	IMID. 80%		-							
Operating power (kW)	4,7	7,5	10,5	11,7	14,7	17,5	22,5	18,5	22,1	31
Consumed power (kW)	0,9	1,3	1,9	2,1	2,4	3	3,6	3	3,2	4,9
COP	5,4	5,7	5,5	5,6	6,2	5,8	6	,3	6,8	6,4
AIR 15°C / WATER 26°C / HU	IMID. 70%									
Operating power (kW)	3,2	5,5	7,5	8,5	10,5	12,9	16	13,5	16	23
Consumed power (kW)	0,8	1,2	1,7	1,9	2,2	2,8	3,5	3,1	3,7	4,8
COP	4	4,8	4,4	4,6	4,8	4	,6	4	,4	4,8

^{*}Cable not provided. Recommended section for a maximum length of 20 meters. **According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS										
Model	MD1	MD2	MD3	MD4	MD5	MD7	MD8	TD7	TD8	TD12
Weight (kg)	38	54	64	70	81	102	119	95	111	147



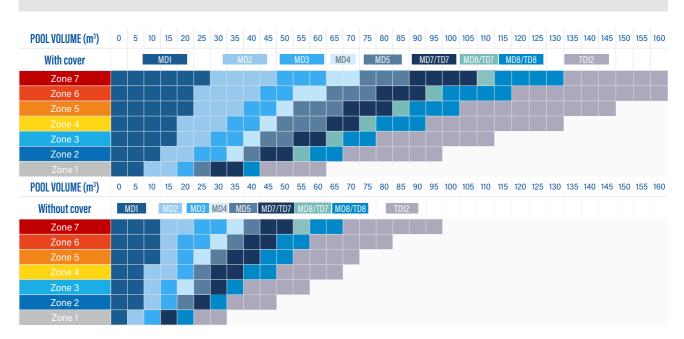
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a PM40 MD3 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing

























Z300



- + Certified performances
- + Guaranteed heating thanks to heating priority
- + Can also be installed in a technical room

- Horizontal blowing
- Polypropylene body
- LCD display
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Automatic defrosting (forced ventilation)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

- Winter cover
- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 50
- Anti-vibration pads

Cleaning kit HP - WMA03491 Remote control - WTC04004

Technical Room Kit - W20KITPFPREMLT

Condensate tray - R07242 Wall mounting kit - R07339

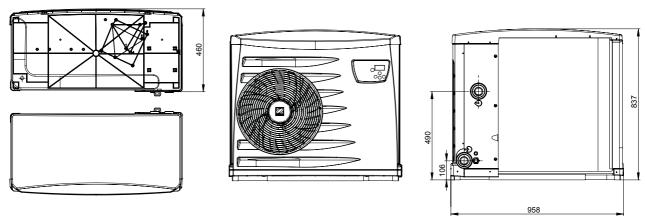
TECHNICAL FEATURES									
Model	Z300 M4	Z300 M5	Z300 T5	Z300 M7					
Standard Model	WH000014	WH000015	WH000015 WH000016						
Recommended water flow (m³/h)	4	Į.	6						
Hydraulic connection		PVC ½ unions, ø 50 , glued							
Electric power supply	220-240V /	1 N~ / 50Hz	220-240V / 1 N~ / 50Hz						
Nominal operating power (A)	7,9	10,3 4,3		13					
Maximum operating power (A)	10	14,5	5,3	16,4					
Recommended Power cable size*	3 x	2.5	5 x 2.5	3 x 4					
Refrigerant fluid		R4	10A						
Refrigerant fluid quantity (kg)	0,92	1,!	55	1,40					
Acoustic power	67	68 70		67					
Acoustic pressure at 10m (dB(A))**	36	37	39	36					

HEATING PERFORMANCE									
Model	Z300 M4	Z300 M5	Z300 T5	Z300 M7					
AIR 28°C / WATER 28°C / HUM	ID. 80% - NF								
Operating power (kW)	9	13	13,1	16,1					
Consumed power (kW)	1,6	2,4	2,3	2,9					
COP	5,6	5,5	5,6						
AIR 15°C / WATER 26°C / HUM	ID. 70%								
Operating power (kW)	7,6	10,4	10,5	13,7					
Consumed power (kW)	1,7	2,2 2,9							
COP	4,5	4,7							

^{*}Cable not provided. Recommended section for a maximum length of 20 meters. **According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS									
Model	Z300 M4	Z300 M5	Z300 T5	Z300 M7					
Weight (kg)	52	63	63	68					



For complete technical & dimensional details, refer to the datasheet/user manual.

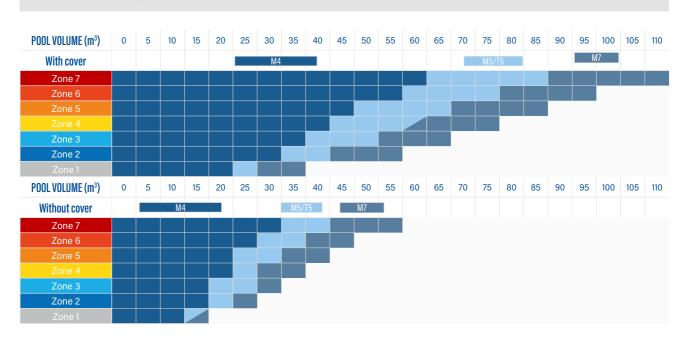
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z300 M4 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing



Z200 defrost





















- + Operating down to -5°C outdoor temperature
- + Suits most pools

DESCRIPTION

- Horizontal blowing
- Polypropylene body
- LCD display
- · Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Automatic defrosting (cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

- Winter cover
- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 40 & Ø 50
- Anti-vibration pads

Cleaning kit HP - WMA03491 Remote control Z200 Defrost - WH000476 Wall mounting kit - R07338

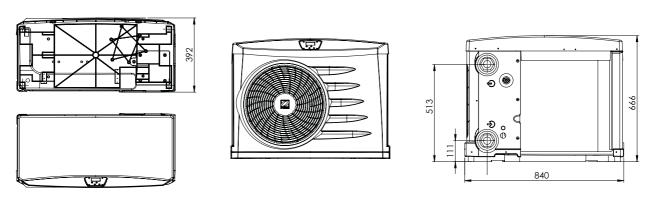
TECHNICAL FEATURES				
Model	Z200 MD2	Z200 MD3	Z200 MD4	Z200 MD5
Standard Model	WH000407	WH000408	WH000409	WH000410
Recommended water flow (m³/h)	4	4	5	
Hydraulic connection	PVC ½ unions, ø 40 or ø 50 , glued			
Electric power supply	220-240V / 1 N~ / 50Hz			
Nominal operating power (A)	4,5	6,3	7,9	11,2
Maximum operating power (A)	5,2	7,6	10,2	13,4
Recommended Power cable size*		3 x	2.5	
Refrigerant fluid		R	32	
Refrigerant fluid quantity (kg)	0,68	0,8	1	1,10
Acoustic power	66	67	69	72
Acoustic pressure at 10m (dB(A))**	35	36	37	41

HEATING PERFORMANCE				
Model	Z200 MD2	Z200 MD3	Z200 MD4	Z200 MD5
AIR 28°C / WATER 28°C / HUMID	. 80%			
Operating power (kW)	6,7	9,3	11,5	14,8
Consumed power (kW)	1,2	1,8	2,3	3,2
COP	5,5	5	5,1	4,6
AIR 15°C / WATER 26°C / HUMID	. 70%			
Operating power (kW)	4,8	7	8,1	10,1
Consumed power (kW)	1	1,6	2	2,5
COP	4,8	4,4	4	

^{*}Cable not provided. Recommended section for a maximum length of 20 meters. **According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS					
Model	Z200 MD2	Z200 MD3	Z200 MD4	Z200 MD5	
Weight (kg)	51	35	40	46	



For complete technical & dimensional details, refer to the datasheet/user manual.

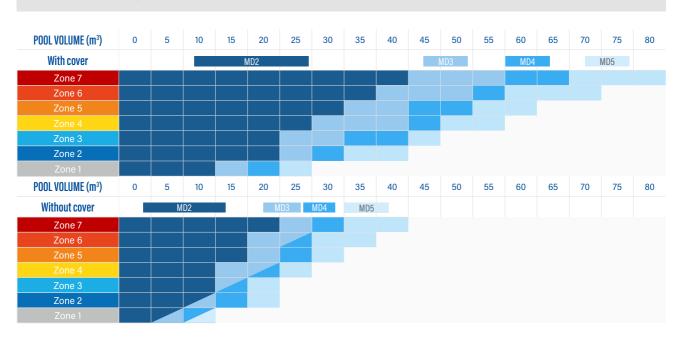
HEAT PLIMPS SELECTION GLUDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z200 MD3 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing



Z200





















- + Guaranteed heating thanks to heating priority
- + Suits most pools

DESCRIPTION

- Horizontal blowing
- Polypropylene body
- LCD display
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- Automatic defrosting (forced ventilation)
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

Winter cover

- Condensate drain kit
- PVC and gaskets, 1/2 unions, Ø 40 & Ø 50

Anti-vibration pads

Cleaning kit HP - WMA03491 Remote control Z200 - WH000200 Wall mounting kit - R07338

TECHNICAL FEATURES				
Model	Z200 M2	Z200 M3	Z200 M4	Z200 M5
Standard Model	WH000307	WH000308	WH000309	WH000310
Recommended water flow (m³/h)	4	4	5	5
Hydraulic connection	PVC ½ unions, ø 40 or ø 50 , glued			
Electric power supply	220-240V / 1 N~ / 50Hz			
Nominal operating power (A)	4,5	6,3	7,9	11,2
Maximum operating power (A)	5,2	7,6	10,2	13,4
Recommended Power cable size*		3 x	2.5	
Refrigerant fluid		R	32	
Refrigerant fluid quantity (kg)	0,68	0,8	1	1,10
Acoustic power	66	67	69	72
Acoustic pressure at 10m (dB(A))**	35	36	37	41

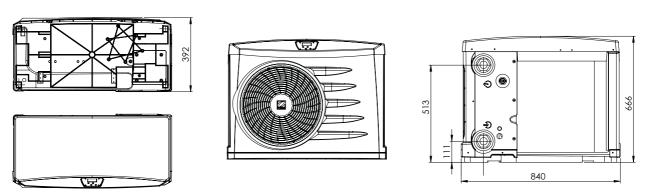
HEATING PERFORMANCE				
Model	Z200 M2	Z200 M3	Z200 M4	Z200 M5
AIR 28°C / WATER 28°C / HUMIC	0. 80%			
Operating power (kW)	6,7	9,3	11,5	14,8
Consumed power (kW)	1,2	1,8	2,3	3,2
COP	5,5	5	5,1	4,6
AIR 15°C / WATER 26°C / HUMIC	0.70%			
Operating power (kW)	4,8	7	8,1	10,1
Consumed power (kW)	1	1,6	2	2,5
COP	4,8	4,4	4	

^{*}Cable not provided. Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENS	IONS			
Model	Z200 M2	Z200 M3	Z200 M4	Z200 M5
Weight (kg)	40	35	40	46



For complete technical & dimensional details, refer to the datasheet/user manual.

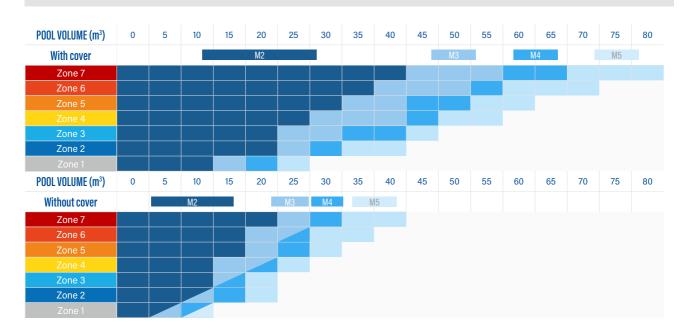
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z200 M3 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. XX

Zodiac recommends to use the web configurators to get a more accurate sizing





















Power Force



- + Certified performances
- + Variable speed fan, quiet and energy-saving
- + Year-round operation down to -12°C

DESCRIPTION

- Horizontal blowing
- Galvanized steel, epoxy painted body
- LCD display
- Heating priority mode (filtration pump control)
- Possible On-off control through remote switch or home automation system
- · Variable speed (DC) fan with automatic noise reduction
- Automatic cooling mode
- Automatic defrosting (cycle inversion)
- Titanium water exchanger, compatible with salt water treatment
- · On-off compressor, scroll
- DC fan, variable speed (inverter)

Cleaning kit HP - WMA03491

- PVC and gaskets, unions, Ø 63
- Anti-vibration pads

- Condensate drain kit

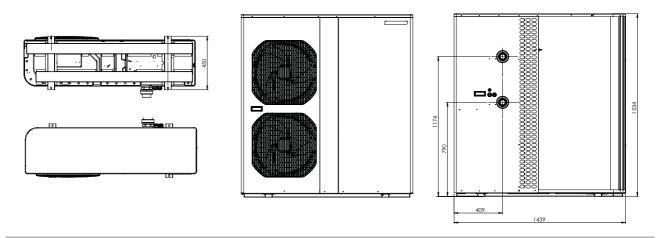
TECHNICAL FEATURES					
Model	TD25	TD35			
Standard Model	W20PFORCE25TD	W20PFORCE35TD			
Recommended water flow (m³/h)	1	0			
Hydraulic connection	PVC unions	, ø63 , glued			
Electric power supply	380-400V / 3N~ / 50Hz				
Nominal operating power (A)	10,6	12,9			
Maximum operating power (A)	14,2 18,1				
Recommended Power cable size*	5	x 4			
Refrigerant fluid	R4	10A			
Refrigerant fluid quantity (kg)	6,40 6,30				
Acoustic power	70 71				
Acoustic pressure at 10m (dB(A))**	38,00 39,00				

HEATING PERFORMANCE						
Model	TD25	TD35				
AIR 28°C / WATER 28°C / HUMID. 80%						
Operating power (kW)	33	45,5				
Consumed power (kW)	6,1	8,6				
COP	5,4	5,3				
AIR 15°C / WATER 26°C / HUMID. 70% NF						
Operating power (kW)	28,7	37				
Consumed power (kW)	5,6	7,6				
COP	5,1	4,9				

^{*}Cable not provided. Recommended section for a maximum length of 20 meters.
** According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS				
Model	TD25	TD35		
Weight (kg)	205	205		



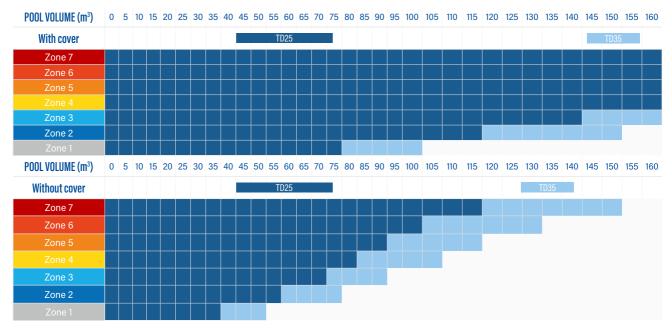
HEAT PHIMPS SELECTION GHIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 135m³ pool, with cover, located in zone 4, a POWERFORCE TD25 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. $\ensuremath{\mathsf{XX}}$

Zodiac recommends to use the web configurators to get a more accurate sizing



Z700 Duo





















- + A single device to heat both your pool and pool room
- + Substantial energy savings
- + Compact installation

- Dual Purpose heat pump, water heating / air heating, combined with Zodiac dehumidifiers featuring a hot water coil
- Horizontal blowing
- Electroplated steel, polyester powder coated body
- LCD display
- Automatic defrosting (cycle inversion)
- Pool water heating circuit: Water flow switch, Titanium condenser (compatible with salt water
- Hot water coil feeding: circulating pump, stainless steel water exchanger condenser, 6kW extra electrical heating
- On-off compressor, scroll

- Condensate drain kit
- Anti-vibration pads
- PVC and gaskets
- Hydraulic kit · Copper fittings and gaskets

Cleaning kit HP - WMA03491

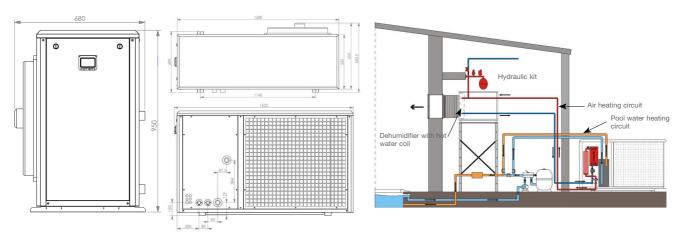
TECHNICAL FEATURES						
Model	MD5	TD5	MD8	TD8		
Standard Model	WH000266	WH000267	WH000268	WH000269		
Maximum recommended room volume (m³)	2!	50	300			
Recommended water flow (m³/h)		6				
Hydraulic connection	PVC unions, ø 50, glued					
Electric power supply	220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz	220-240V / 1 N~ / 50Hz	380-400V / 3N~ / 50Hz		
Nominal operating power (A)	13,6	6,1	16,2	7,2		
Maximum operating power (A)	18	8,2	21,5	9,5		
Maximum operating power with electric heating option (A)	48	18	57	20,5		
Recommended Power cable size*	3 x 10	5 x 4	3 x 16	5 x 6		
Refrigerant fluid	R410A					
Refrigerant fluid quantity (kg)	4,64		4,75			
Acoustic power	67		6	5		
Acoustic pressure at 10m (dB(A))**	36,00	33,1	36,00	33,1		

HEATING PERFORMANCE						
Model	MD5	TD5	MD8	TD8		
AIR HEATING PERFORMANCE: 15°C AIR / HOT WATER COIL 42°C/49°C						
Operating power (kW)	9	9,7		2		
Consumed power (kW)	3	3,5		2		
COP	2,8		2,9			
POOL WATER HEATING PERFORM	MANCE : AIR 15°C / WATER 26°C	C / HUMID. 70%				
Operating power (kW)	12,5		15	,2		
Consumed power (kW)	2,6		3,1			
COP	4,8 4,9					

^{*}Cable not provided. Recommended section for a maximum length of 20 meters.
** According to EN60704-1:2010+A11:2012 standard



WEIGHT AND DIMENSIONS					
Model	MD5	TD5	MD8	TD8	
Weight (kg)	192	192	205	205	



For complete technical & dimensional details, refer to the datasheet/user manual.

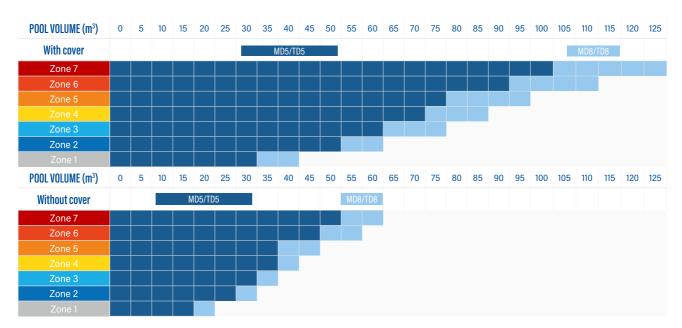
HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1.5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, a Z700 MD5/TD5 is needed*.



^{*}To find the corresponding pool location zone, consult our climate map p. $\ensuremath{\mathsf{XX}}$

Zodiac recommends to use the web configurators to get a more accurate sizing



ELECTRIC HEATERS

The simplest solution for a fast rise in temperature

Easy to install and to use, Zodiac® electric heaters heat your pool rapidly and keep the water at the desired temperature, for a very competitive purchase ex VAT Price. Compact, stand-alone units, they are fitted to the filtration system. Start filtration to raise the temperature (in 2 to 5 days).

> CHOOSING AN ELECTRIC HEATER

Several parameters should be considered when choosing a suitable electric heater. **Depending on the size of the pool to be heated and the desired use (temperature and period), the power of the system should be adapted,** from 3 kW to 120 kW.

In a small technical room, **install the system in 'L' configuration.** In-line installation limits pressure drops.

To control the desired temperature, **there are two types of thermostat: mechanical and digital.**Using a complete digital regulator, it is also possible to control timer settings.

To limit electricity consumption, a modular heater can be fitted with 2 heating elements.

The advantage is that it can use just one heating element when the outside temperature is relatively high (summer).



REFERENCE POINT

All Zodiac® electric heater models are equipped with titanium heating elements, making them very robust.

	RE/L	RED LINE	RE/U
COMPARATIVE TABLE OF RANGES	a:		
Pool size	< 95 m ³	< 95 m³	From 195 m ³
Power rating	From 3 to 12 kW	From 3 to 12 kW	From 12 to 24 kW
Assembly type	L	In line	In line
Modular type	-	-	•
Thermostat type	Mechanical	Digital	Digital





















- + Full digital regulation
- + 2-stage power management
- + Maximum robustness

DESCRIPTION

- Control box with precision thermostat ± 0.5°C
- · Digital display and timer
- Positive safety high temperature limiter
- Pin water tightness using EPDM collars
- HYPALON electric connections
- Flow switch
- Power contactors
- · Luminous control switches + indicators
- Pin water tightness using EPDM collars
- Single-phase 230V-50/60Hz or three-phase 400 V depending on model

PRODUCT REFERENCES						
Model	RE/U 12M	RE/U 15M	RE/U 15T	RE/U 18T	RE/U 21T	RE/U 24T
Standard Model	W40TIT12M	W40TIT15M	W40TIT15	W40TIT18	W40TIT21	W40TIT24

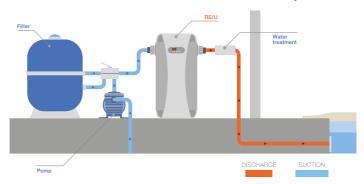
HEATING PERFORMANCE & TECHNICAL FEATURES							
Model	RE/U 12M	RE/U 15M	RE/U 15T	RE/U 18T	RE/U 21T	RE/U 24T	
Operating power (kW)**	6 + 6	6	+ 9	9 + 9	9 + 12	12 + 12	
Maximum operating power Tri 400 V (A)***	53	66	22	26	31	35	
Power cable size for tri 400 V (mm2)****	3 x 16		5	x 6	5)	< 10	
Min. flow (m³/h)		5					
Max. flow (m³/h)		22					
Hydraulic connection			PVC Ø 5	0 ou Ø 63			

^{*} Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. ** Manufacturing tolerance of + or -5%. *** Tolerance operating voltage +6 -10%. Grid power supply. **** For a maximum length of 20 metres.

WEIGHT AND DIMENSIONS Weight (kg) 12

INSTALLATION

 In-line PVC hydraulic connection, Ø63 (exterior) or Ø50 (interior). Supports any flow direction: just turn the flow switch and reverse the control and safety sensors.







RED LINE



















- Control box with precision thermostat $\pm~0.5^{\circ}\text{C}$

+ In-line, low pressure drop layout

- · Digital display and timer
- Positive safety high temperature limiter

+ Full digital regulation

Watertightness of electrical resistances with an EPDM collar

+ 1 or 3 phase wiring (on-site configuration)

- Hypalon electric connections
- Flow switch
- Power contactors
- On/Off switch + Indicators
- REDLINE 3, 6 and 9: simplified single-phase 230V-50/60Hz / three phase 400V-50/60Hz power (three-phase 230V on request)
- REDLINE 12: three-phase 400V-50/60Hz only

PRODUCT REFERENCES					
Model	REDLINE 3	REDLINE 6	REDLINE 9	REDLINE 12	
Standard Model	W40RDE3	W40RDE6	W40RDE9	W40RDE12	

Model	REDLINE 3	REDLINE 6	REDLINE 9	REDLINE 12	
Operating power (kW)**	3	6	9	12	
Maximum operating power Tri 400 V (A)***	5	9	13	18	
Power cable size for tri 400 V (mm2)****	5 x 2,	5	5 x 4		
Maximum operating power Mono 230 V (A)***	14	27	40		
Power cable size for Mono 230 V (mm²)****	3 x 4	3 x 6	3 x 10		
Min. flow (m³/h)	5				
Max. flow (m ³ /h)	30				
Hydraulic connection	PVC Ø 50 ou Ø 63 1/2 PVC Ø 63 + reduction Ø 50				

^{*} Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. ** Manufacturing tolerance of + or -5%. *** Tolerance operating voltage +6 -10%. Grid power supply. **** For a maximum length of 20 metres.

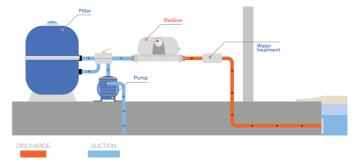
222 mm 45: 452 (3 & 6 kw) w 55: 552 (9 & 12 kw) kw 53i 538 (3 & 6 kw) W 63i 638 (9 & 12 kw) kw

4

WEIGHT AND DIMENSIONS

Weight (kg)

• In-line connection with two PVC unions, Ø63, and reducers, Ø63-50. - Supports any flow direction: just turn the device to match the water flow direction.



















ELECTRIC HEATER

RE/L



- + L-shape, space-saving
- + 1 or 3 phase wiring (on-site configuration)
- + Mechanical thermostat

DESCRIPTION

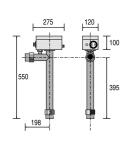
- Control box
- Rotating mechanical 16-40°C thermostat
- Positive safety high temperature limiters
- · Watertightness of electrical resistances with an EPDM collar
- Hypalon moulded electric connections
- Flow switch
- Power contactor
- Single or 3 phase wiring (on-site configuration)
- RE/L 3, 6 and 9: simplified single-phase 230V -50/60Hz / three-phase 400V-50/60Hz power (three-phase 230V on request)
- RE/L 12: 400V-50/60Hz only

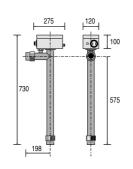
PRODUCT REFERENCES					
Model	RE/L3	RE/L 6	RE/L9	RE/L12	
Standard Model	W40LE03	W40LE06	W40LE09	W40LE12	

Model	RE/L3	RE/L 6	RE/L9	RE/L12	
Operating power (kW)**	3	6	9	12	
Maximum operating power Fri 400 V (A)***	5	9	13	18	
Power cable size for tri 400 V (mm2)****	5 x	2,5	5 x 4		
Maximum operating power Mono 230 V (A)***	14	27	40		
Power cable size for Mono 230 V (mm²)****	3 x 4	3 x 6	3 x 10		
Ain. flow (m³/h)	5				
Max. flow (m³/h)	22				
Hydraulic connection		PVC Ø 50) ou Ø 63		

^{*} Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. ** Manufacturing tolerance of + or -5%. *** Tolerance operating voltage +6 -10%. Grid power supply. **** For a maximum length of 20 metres.

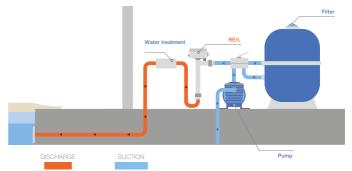
WEIGHT AN	ID DIMENSI	ONS		
Model	RE/L3	RE/L6	RE/L9	RE/L12
Weight (kg)	4	4	į	5





INSTALLATION

- Shipped with wall-mount bracket.
- In-line PVC hydraulic connection, Ø50 or 63.
- Supports any flow direction: just turn the device to match the water flow direction.





HEAT EXCHANGERS

Heating the pool using the domestic heating

Installed close to the boiler, Zodiac® heat exchangers use the heating circuit

in the house to heat the water in the swimming pool.

Very financially advantageous, they are also very efficient

and provide a rapid temperature rise (1 to 2 days).

> CHOOSING A HEAT EXCHANGER

Several parameters are considered when choosing a heat exchanger. Depending on the size of the pool to be heated, the desired use (temperature and period) and temperature of the primary heating circuit, the appropriate heat exchanger should be selected.

Zodiac® heat exchangers are **compatible with all domestic heating systems.** With more than 17 models, they are suitable for all installations.



REFERENCE POINT

All Zodiac® heat exchangers are fitted with titanium pipes and plates making them very robust.

	HEAT LINE			URAI	NUS+		
	Unequipped	Plus, without circulating pump	Plus, with circulating pump	Unequipped	Plus		
COMPARATIVE TABLE OF RANGES							
Application	All heating types			All heating types			
Power with primary at 90°C		From 20 to 70 kW			From 35 to 240 kW		
Power with primary at 45°C		From 4 to 14 kW		From 13	to 57 kW		
Assembly type		In line without bypas	SS	L with	bypass		
Heat exchanger type		Titanium multi-tube		Titaniur	n plates		
Power pack							
Flow switch							
Regulation							
Circulating pump							





EXCHANGERS

Uranus





- + Compatible with all types of home heating systems (Heat Pump, Boiler, Geothermal, Solar)
- + High heat exchange
- + Digital regulation



- Appliance completely assembled and wired
- High performance plate exchanger TITANIUM plates
- PRIMARY with adjustable accelerator 2 1/4 turn valves, 1 valve male thread. Ø 26/34 with Ø 20/22 soldering cartridges
- SECONDARY PVC Ø 50
- Digital display thermostat
- Flow switch
- Mono 230 V wiring from a mains outlet
- Purge or emptying cap



Uranus PLUS

Uranus Unequipped











PRODUCT REFERENCES						
Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240		
Unequipped	WJ000001	WJ000003	WJ000005	WJ000007		
Plus	WJ000002	WJ000004	WJ000006	WJ000008		

Model		URANUS 35	URANUS 70	URANUS 120	URANUS 240	
Max. pressure	(pool circuit)	3 bar / 2 bar				
Max. permitte	d temperature	90 °C / 40°C				
PRIMARY Heating (Unequipped model)		Ø20/22			Ø26/28	
	SECONDARY Pool	PVC Ø50				
FL (842(11)	PRIMARY Heating	1,6	2,1	2,8	6,3	
Flow (M³/H)	SECONDARY Pool	2	2,9	4,3	8,7	
(MAMCE)	PRIMARY Heating	1500	1200	1000	2000	
	SECONDARY Pool	2400	2300	2500	3800	

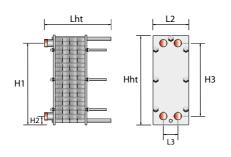
HEATING PERFORMANCE					
Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240	
Power with primary at 90°C (kW)	55	80	120	240	
Power with primary at 60°C (kW)	27	38	63	123	
Power with primary at 45°C (kW)	15	21	34	68	

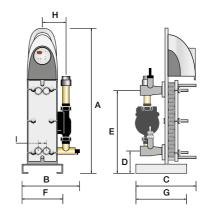


DIMENSIONS (MM) AND WEIGHT				
Model	URANUS 35	URANUS 70	URANUS 120	URANUS 240
Unequipped	14 kg	15 kg	17 kg	31 kg
Plus	29 kg	30 kg	31 kg	50 kg

DIMENSIONS (MM) UNEQUIPPED MODEL			
Model	URANUS 35-70-120	URANUS 240	
Lht	255	407	
L2	140	200	
L3	50	60	
Hht	380	500	
H1	339	429	
H2	41	75	
Н3	298	357	

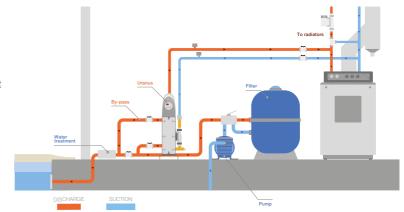
DIMENSIONS (MM) PLUS MODEL			
Model	URANUS 35-70-120	URANUS 240	
A	758	840	
В	334	347	
С	415	480	
D	116	137	
Е	414	494	
F	250	250	
G	200	450	
Н	127	148	
I	50	60	

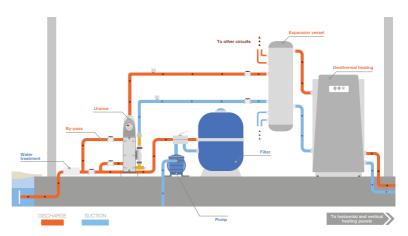




INSTALLATION

- In the technical facility nearby the boiler at the filtering system output (plan a by-pass).
- Single-phase electric power supply 230V
- In special cases: exchanger supplied from a geothermal or heat pump.
- The exchanger must be sized taking into account the heating needs of the pool, the specifications of the exchangers with primary at 45°C or 60°C (see specifications table) and the power of the geothermal. For correct operation of the geothermal we recommend installing a buffer tank as shown in the diagram below.







EXCHANGERS

Heat Line





- + Compatible with all types of home heating systems (Heat Pump, Boiler, Geothermal, Solar)
- + Versatile installation concept
- + Digital regulation



Unequipped

Plus with regulation and without circulating pump



Plus with regulation and circulating pump

- · Injected noryl Polyamide casing
- TITANIUM tubes
- Check valve
- Low consumption circulating pump, A class (1)
- Reversible interface (allowing right or left pool water inlet)
- Flow switch (2)
- Pre-wired electric box with 230 V plug (2)
- Digital regulation (2)
- Reversible installation layout

(1) On «Plus» models with circulating pump (2) On «Plus» models with and without circulating pump











PRODUCT REFERENCES				
Model	HEATLINE 20	HEATLINE 40	HEATLINE 70	
Unequipped	W49NT20	W49NT40	W49NT70	
Plus, without circulating pump	W49KT20W	W49KT40W	W49KT70W	
Plus, with circulating pump	W49KT20	W49KT40	W49KT70	

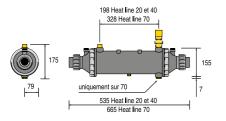
Model		HEATLINE 20	HEATLINE 40	HEATLINE 70
Max. pressure (pool circuit)		HEALENCE 20	2 bar	
Max. permitte	d temperature		90 °C	
Connections	PRIMARY Heating (Unequipped model)	Ø26/34 F / Ø26/34 M	Ø26/34 F - Ø26/34 M	Ø26/34 F / Ø26/34 M
	SECONDARY Pool	PVC Ø63 ou 50		
Flow (M ³ /H)	PRIMARY Heating	0,9	1,7	3
	SECONDARY Pool	10	15	20
Load Loss (MMCE)	PRIMARY Heating	150	200	300
	SECONDARY Pool	500	800	1000

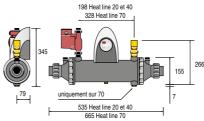
^{*} Private open-air pool, temperate climate with an isothermal cover and primary at 90°C from May 15th to September 15th

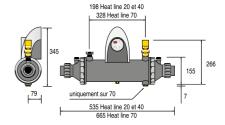
HEATING PERFORMANCE				
Model	HEATLINE 20	HEATLINE 40	HEATLINE 70	
Power with primary at 90°C (kW)	20	40	70	
Power with primary at 60°C (kW)	8,5	17	30	
Power with primary at 45°C (kW)	4	8	14	



DIMENSIONS (MM) AND WEIGHT				
Model	HEATLINE 20	HEATLINE 40	HEATLINE 70	
Unequipped	3 kg	3 kg	4 kg	
Plus, without circulating pump	4 kg	4 kg	5 kg	
Plus, with circulating pump	6,5 kg	7 kg	12 kg	







Heat Line Unequipped

Heat Line Plus with circulating pump

Heat Line Plus without circulating pump

INSTALL ATION

- In the technical facility nearby the boiler at the filtering system output (without a by-pass).
 Horizontal in-line position on the pipe. Primary supply from above.
- Single-phase electric power supply 230V
- Primary and secondary circuits' flow may be reversed by turning the exchanger.
- Special cases: exchanger powered using solar panels.
- The exchanger must be chosen according to pool heating requirements, exchanger specifications with primary at 45 °C or 60 °C (see specifications table) and power returned by the solar panels. In all cases, the exchanger must be supplied from a solar tank installed between the panels and the exchanger.
- Heat Line exchangers are not compatible with direct connection to solar panels.
- Caution: maximum primary source temperature = 90°C Maximum pressure = 2 bar. Exchanger installed with existing wall-mounted boiler or with boiler whose regulator is in the boiler's interior.

