RESIDENTIAL
WATER TREATMENT
EQUIPMENT

ASTRALPOOL ®

Z ZODIAC ®

ALBA
INTERNATIONAL (PVT) LTD.
Your Trustworthy Partner
www.alba.com.mv

RESIDENTIAL POOLS WATER TREATMENT SOLUTIONS

- **Disinfection management and pH management represent 20% of pool water treatment but 80% of daily in-store enquiries.**
- **Correctly managing disinfection and pH is then key for a perfect pool experience. AstralPool® offers 4 product families to relieve the pool owners from constraints.**

HOW TO CHOSE THE MOST ADAPTED WATER TREATMENT SOLUTION?

Our water treatment product portfolio allows pool owners to adapt their equipment to their needs, from lowering maintenance constraints to increasing bathing comfort, connectivity or environmentally friendly solutions. The chart below will help you chose the best option for your pool.

For an optimal disinfection against pathogens (bacteria, viruses, fungi…), you may combine UV treatment with chlorinated treatment. It delivers a larger efficacy spectrum ensuring pool's water is disintected AND disinfectant.

Water treatment solutions mapping

		Dosing	UV	Salt Water Electrolysis	Neolysis 2
Type of disinfection		Liquid chlorine	UV treatment	Salt water chlorination	Hybrid UV treatment + Salt water chlorination
pH regulation		✓	✓*	✓*	✓*
Disinfection regulation (ORP or PPM)		✓	✓*	✓*	✓*
Pool equipment control (AUX relays)		-	-	✓*	✓
IoT connectivity	App control	-	-	iAquaLink+ (Smart Next**) Poolstation (Elite Connect)	Poolstation
	Compatible with Connect & Go automation	✓ (NN Thing)	-	✓ (NN Thing)	✓ (NN Thing)
Reduced maintenance constraints		✓	✓✓	✓✓✓	✓✓✓
Reduced use/handling of chemicals		✓	✓✓	✓✓✓	✓✓✓
Gentle and eco-friendly treatment		✓	✓✓	✓✓✓	✓✓✓
Investment	At installation	€ - €€€	€ - €€	€ - €€€	€€ - €€€
	Seasonal cost	€€€	€€	€	€

* Depends on product range or model.
** With optional iQBridge RS WiFi gateway.

MODEL COMPARISON

| Product name	Elite Connect				Smart Next					Energy Sel			Bering Sel
Chlorine output (g/h)	12	24	32	42	7	12	21	30	40	9	13	19	8
Pool volume — Based on 8 h/day of chlorination for a pool water = 25°C (if pool water > 25°C : -15% max volume)	50	100	150	200	30	50	90	140	180	40	55	85	35
Salinity (g/L)	Standard Mini: 5 - Ideal: 6 / Low Salt Mini: 1 - Ideal: 2				Mini: 5 - Ideal: 6					Mini: 3,5 - Ideal: 4			Mini: 3,2 - Ideal: 4
Output control	0-100%				0-100% (10 levels)					0-100%			0-100% (4 levels)
User interface	2,8" Oled colour touchscreen				Back-lit touchscreen					2 digits LCD screen			LED
Minimum flow rate (m³/h)	2	4	6	8	2	3	5	6	8	2	3	4	3
Electric power (W)	83	165	205	205	46	92	92	184	207	70			100
Protection rating	IP65				IP65					IP45			IP24
Type of cell	Horizontal or vertical				Horizontal or vertical					Horizontal or vertical			Horizontal or vertical
Cell service life	12,000 h				10,000 h					8,000 h			8,000 h
Polarity reversal	✓ (2-3-4 h)				✓ (2-3-4-7 h)					✓ (0 to 99 h)			✓
Cover mode	✓				✓					✓			-
Boost mode	-				✓					-			-
Lack of water:													
Gas sensor	✓				✓					-			-
Flow Switch	✓				✓ (Optional)					✓ (Optional)			-
Salt fail-safe mode (High - Low)	✓				✓					-			-
Running time counter	✓				✓					-			-
Temperature display	✓				✓					-			-
Salinity display	✓				✓					-			-
Timer scheduling	✓				-					-			-
Connectivity / App control:													
IoT connectivity — App control	✓ (embedded) Poolstation				✓ iAquaLink+ (With iQBridge RS WiFi gateway)					-			-
IoT connectivity — Compatible with Connect & Go automation	NN Thing				NN Thing					-			-
External output control	✓				✓					-			-
pH control	✓ (Scalable)				✓ (Optional)					-			-
Sensor holder included	✓				✓					-			-
pH pump included	✓				✓					-			-
ORP control	✓ (Scalable)				✓ (Optional)					-			-
ppm control	✓ (Scalable)				-					-			-
Low Salt version	✓				-					-			-
Timer	✓				-					-			-
Inputs - Outputs	4 (digital) - 4 (relays)				-					-			-
Warranty	3 years				2 years					2 years			2 years

WATER TREATMENT EQUIPMENT

Elite Connect

ASTRALPOOL

+ A connected and evolutive salt water chlorinator platform with pH & chlorine regulations and built-in pool equipment control.

DESCRIPTION

- Connected product with built-in Ethernet port and PoolStation app (available on iOS & aOS).
- NN Thing: Smart control within Fluidra Connect pool automation and NN app (available on iOS & aOS).
- Scalable control functions with S-Driver® plug-in modules (pH, Rx and Cl ppm).
- 2.8" OLED colour touch screen with enhanced display
- Integrated timer scheduling for all controlled pool features.
- 4 digital inputs and 4 digital outputs (relays) to control filter pump, heater, lighting, etc.
- Equipped with a gas sensor, a flow switch and a compact sensor holder as standard.
- Equipped with high quality electrodes, with a service life of up to 12,000 hours under normal conditions.
- Output control from 0 to 100%.
- pH dosing pump included with pH option.
- Low-salt version (1–2 g/l).
- Optional VSP S-Driver® that can control 3-speed variable speed pumps and backwash piston valves.
- Optional Relay Box to ease the installation between Elite Connect and the controlled pool equipment. See page 315.
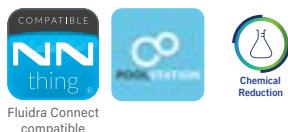
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Elite Connect				
Up to 50 m³ 12 g/h	70012	1	6.30	0.047
Up to 100 m³ 24 g/h	70013	1	8.20	0.047
Up to 150 m³ 32 g/h	70014	1	9.10	0.047
Up to 200 m³ 42 g/h	70016	1	9.50	0.047
Elite Connect pH				
Up to 50 m³ pH 12 g/h	70019	1	7.70	0.047
Up to 100 m³ pH 24 g/h	70021	1	9.50	0.047
Up to 150 m³ pH 32 g/h	70023	1	10.60	0.047
Up to 200 m³ pH 42 g/h	70025	1	10.90	0.047
Elite Connect pH/Rx				
Up to 50 m³ 12 g/h	70031	1	8.15	0.047
Up to 100 m³ 24 g/h	70032	1	9.95	0.047
Up to 150 m³ 32 g/h	70033	1	11.05	0.047
Up to 200 m³ 42 g/h	70035	1	11.35	0.047
Elite Connect pH/ppm				
Up to 50 m³ 12 g/h	70361	1	13.80	0.080
Up to 100 m³ 24 g/h	70363	1	14.90	0.080
Up to 150 m³ 32 g/h	70365	1	16.60	0.080
Up to 200 m³ 42 g/h	70369	1	16.90	0.080
Elite Connect LS				
LS. Up to 50 m³ 12 g/h	70037	1	6.30	0.047
LS. Up to 100 m³ 24 g/h	70039	1	8.20	0.047
LS pH. Up to 50 m³ 12 g/h	70040	1	7.70	0.047
LS pH. Up to 100 m³ 24 g/h	70042	1	9.50	0.047
LS pH/Rx. Up to 50 m³ 12 g/h	70047	1	7.80	0.047
LS pH/Rx. Up to 100 m³ 24 g/h	70048	1	8.90	0.047
LS pH/ppm. Up to 50 m³ 12 g/h	70371	1	14.90	0.080
LS pH/ppm. Up to 100 m³ 24 g/h	70372	1	16.60	0.080
Option				
Relay Box	72454	1	9,5	-
S-Driver® modules				
SD-pH	70049	1	0.80	0.06
SD-Pump (pH)	70054	1	0.80	0.06
SD-ORP	70051	1	0.80	0.06
SD-PPM	70052	1	6.00	0.051
SD-VSP	73471	1	0.80	0.002

COMPATIBLE NN thing®
Fluidra Connect compatible

Chemical Reduction

MADE IN EUROPE

Possibility of upgrading the unit with S-Driver® modules

S-Driver®
pH ORP ppm-Cl2 VSP

70049   70054   70051   70052   73471

ASTRALPOOL

NEW 2023

Smart Next

ASTRALPOOL   NEW 2023

+ A salt water chlorinator with optional pH and ORP automated control.

DESCRIPTION

• Smart Next is available as a salt water chlorinator, or with regulations: pH only or pH & ORP for chlorination control.
• Equipped with a gas sensor (optional flow switch) and compact sensor holder (pH and pH/Rx options) as standard.
• Monitors temperature and salinity.
• Equipped with high quality electrodes, with a service life of up to 10 000 hours under normal conditions.
• Output control from 0 to 100%.
• pH dosing pump included with pH and pH/Rx options.
• 24h Boost mode.
• "Bio pool" mode with specific pH & ORP setpoint thresholds.
• NN Thing: Smart control within Fluidra Connect pool automation and NN app (available on iOS & aOS).
• **New : Now controllable via the iAquaLink+ app with the addition of the iQBridge RS WiFi gateway (available separately as an option).**

PROFESSIONAL ADVICE RECOMMENDED

COMPATIBLE NN thing ®
Fluidra Connect compatible

MADE IN EUROPE

iAquaLink COMPATIBLE

Optional iQbridge RS WiFi gateway for remote control with iAquaLink+ app

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Smart Next				
Up to 30 m³ 7 g/h	70058	1	4.80	0.047
Up to 50 m³ 12 g/h	70060	1	6.30	0.047
Up to 90 m³ 21 g/h	70062	1	8.20	0.047
Up to 140 m³ 30 g/h	70063	1	9.10	0.047
Up to 180 m³ 40 g/h	70064	1	9.50	0.047
Smart Next pH				
Up to 30 m³ 7 g/h	70083	1	6.20	0.047
Up to 50 m³ 12 g/h	70084	1	7.70	0.047
Up to 90 m³ 21 g/h	70085	1	9.50	0.047
Up to 140 m³ 30 g/h	70086	1	10.60	0.047
Up to 180 m³ 40 g/h	70093	1	10.90	0.047
Smart Next pH/Rx				
Up to 30 m³ 7 g/h	71692	1	6.65	0.047
Up to 50 m³ 12 g/h	71693	1	8.15	0.047
Up to 90 m³ 21 g/h	71694	1	9.95	0.047
Up to 140 m³ 30 g/h	71695	1	11.05	0.047
Up to 180 m³ 40 g/h	71696	1	11.35	0.047
Option:				
iQBridge RS WiFi gateway	WA000068	1	0.15	0.002
Flow switch kit	71124	1	0.17	0.002

pH accessories
(provided with pH & pH/Rx models)

ORP accessories
(provided with pH/Rx models)

iAquaLink COMPATIBLE

DID YOU KNOW?

Bring connectivity with iQBridge RS
Smart Next can be remotely controled with iAquaLink+ free app using the optional iQBridge RS for anytime & anywhere management. iQBridge RS is a plug & play WiFi gateway to easily connect Smart Next to the homeowner WiFi network and benefit from iAquaLink+ app control experience.
See "Internet of Pools" section for more details about iQBridge RS and iAquaLink+ app benefits.

Which models ?
All Smart Next manufactured starting 2023. The power pack is equipped with a dedicated plug to connect iQBridge RS.
Simply look for the "iAquaLink+ compatible" sticker on the Smart Next carton.

WATER TREATMENT EQUIPMENT

ASTRALPOOL

Energy Sel

ASTRALPOOL

DESCRIPTION

Self-cleaning salt water chlorinator thanks to polarity reversal. Flat screen design. Easy to install and use. On / off push button located in the lower part to avoid involuntary disconnections. It is recommended for pools up to 85 m³. Relay for automatic cover. Optional flow switch (code 300227 includes D.63 collar; code 300228 includes D.50 collar).

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Chlorine output:					
Up to 40 m³	9 g/h	71650	1	3.50	0.025
Up to 55 m³	13 g/h	71651	1	3.65	0.025
Up to 85 m³	19 g/h	71652	1	3.70	0.025

Sel Clear

ASTRALPOOL

DESCRIPTION

Self-cleaning salt water chlorinator thanks to polarity reversal. Easy to install and use. It is recommended for pools up to 85 m³. Relay for automatic cover. Optional flow switch (code 300227 includes D.63 collar; code 300228 includes D.50 collar).

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Chlorine output:					
Up to 40 m³	9 g/h	54041	1	3.50	0.025
Up to 55 m³	13 g/h	54042	1	3.65	0.025
Up to 85 m³	19 g/h	54043	1	3.70	0.025

Bering Sel

ASTRALPOOL

DESCRIPTION

Self-cleaning salt water chlorinator thanks to polarity reversal. For pools up to 35 m³. Compact design. Manual output adjustment (from 0 to 100%). 3 indicators: solid green = running, solid red = in standby mode, flashing red = failure (lack of water, lack of salt).

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Chlorine output:					
Up to 35 m³	8 g/h	64315	1	6.0	-

Salt test kit

ASTRALPOOL

DESCRIPTION

Salt test strips for checking salt levels. Salt levels must be checked on a regular basis as the water is renewed.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Salt test strips bottle	07937	1	0.8	0.001

WATER TREATMENT EQUIPMENT

ASTRALPOOL

Earthing anode

ASTRALPOOL

DESCRIPTION

Easy-to-install stainless steel earthing anode to remove roaming curents that might be present with salt water. Provided with saddle clamp kit.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
For Ø 50 mm	25894	1	0.6	0.001
For Ø 63 mm	25895	1	0.6	0.001

Elite Connect electrodes

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Elite Connect 12 electrode (Codes 70012 / 70019 / 70031 / 70361)	60588	1	-	-
Elite Connect 24 electrode (Codes 70013 / 70021 / 70032 / 70363)	60589	1	-	-
Elite Connect 32 electrode (Codes 70014 / 70023 / 70033 / 70365)	60594	1	-	-
Elite Connect 42 electrode (Codes 70016 / 70025 / 70035 / 70369)	70316	1	-	-
Elite Connect 12 LS electrode (Codes 70037 / 70040 / 70047 / 70371)	70317	1	-	-
Elite Connect 24 LS electrode (Codes 70039 / 70042 / 70048 / 70372)	70318	1	-	-

Smart Next electrodes

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Smart Next 7 electrode (Codes 70058 / 70083 / 71692 / 74081)	60595	1	-	-
Smart Next 12 electrode (Codes 70060 / 70084 / 71693 / 74082)	60596	1	-	-
Smart Next 21 electrode (Codes 70062 / 70085 / 71694 / 74083)	70312	1	-	-
Smart Next 30 electrode (Codes 70063 / 70086 / 71695 / 74084)	70314	1	-	-
Smart Next 40 electrode (Codes 70064 / 70093 / 71696 / 74085)	70315	1	-	-

Energy Sel / Sel Clear electrodes

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Electrode 30: up to 40 m³	54051	1	0.35	0.0055
Electrode 55: up to 55 m³	54052	1	0.44	0.0055
Electrode 95: up to 85 m³	54053	1	0.50	0.0055

Bering Sel electrode

ASTRALPOOL
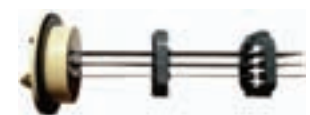
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Electrode: up to 35 m³	72889	1	0.5	0.0070

MODEL COMPARISON

	Neolysis 2			Heliox UV LP SS				Heliox UV LP PE				Lyriox UV-C						
Product name	Neolysis 2			Heliox UV LP SS				Heliox UV LP PE				Lyriox UV-C						
Type	Hybrid UV + electrolysis			UV treatment				UV treatment				UV treatment						
Power range (rated UV Watt)	48	56	56	48	56	90	150	48	56	75	90	15	25	30	50	55	75	110
Chlorine output (g/h electrolysis)	12	24	32	-				-				-						
Salinity (g/L)	Standard Mini: 5 - Ideal: 6 Low Salt Mini: 1 - Ideal: 2			-				-				-						
Max pool volume (m³). Based on 8 h/day filtration for a pool water = 25°C (if temp >25°C : -15% max volume)	50	100	150	50	60	90	140	50	60	75	90	15	25	30	50	55	75	110
Flow rate (m³/h for 30 mJ/cm² UV efficiency)	10	14	18	10	14	25	30	10	14	20	25	2	2	4	5	8	10	15

UV reactor

	Neolysis 2	Heliox UV LP SS	Heliox UV LP PE	Lyriox UV-C
Body material	Polyethylene (PE)	AISI 316L Stainless Steel	Polyethylene (PE)	PVC
Compatible with salt water	✓	-	✓	✓
Max pressure (bar)	3,0	3,0	3,0	2,5
UV lamp service life (hours)	13.000	13.000	13.000	9.000
Electrolysis electrode service life (hours)	12.000	-	-	-

Power pack / Ballast casing

	Neolysis 2	Heliox UV LP SS	Heliox UV LP PE	Lyriox UV-C
User interface	2,8'' Oled touchscreen	LCD screen(s)	LCD screen(s)	-
UV lamp running time counter	✓	✓	✓	Reminder label
Ballast type	Integrated	Integrated	Integrated	Integrated
pH control	✓ (scalable)	✓ (depends on model)	✓ (depends on model)	-
pH dosing pump included	✓	✓	✓	-
Sensor holder included	✓	✓	✓	-
ORP control	✓ (scalable)	✓ (depends on model)	✓ (depends on model)	-
Timer schedules	✓	-	-	-
Polarity reversal	✓ (2-3-4 h)	-	-	-
Cover mode	✓	-	-	-
Flow switch	✓	✓	✓	-
External output control	✓	-	-	-
Iputs - Outputs	4 (digital) - 4 (relays)	-	-	-

Connectivity / App control

		Neolysis 2	Heliox UV LP SS	Heliox UV LP PE	Lyriox UV-C
IoT connectivity	App control	✓ (embedded) Poolstation	-	-	-
	Compatible with Connect & Go automation	NN Thing	-	-	-
Warranty		3 years	2 years	2 years	2 years

ASTRALPOOL

+ **Neolysis 2 is the most advanced water treatment from AstralPool. It is a patented hybrid sanitation system combining UV treatment with salt water electrolysis to deliver an unrivalled efficiency against pathogens.**
+ **A connected and eco-friendly hybrid system with pH & chlorine regulations and built-in pool equipment control.**

Neolysis 2

ASTRALPOOL

DESCRIPTION

- Water suitable for watering.
- Hybrid disinfection based on UV and electrolysis.
- Unbeatable water quality.
- Sustainable and healthier treatment.
- Connected product (Poolstation app) with pool equiplment control capability (4 inputs & 4 outputs).
- UV LP high quality lamps (13,000 h).
- High quality electrolysis electrodes (12,000 h).
- Patented process.
- Optional Relay Box to ease the installation between Neolysis 2 and the controlled pool equipment. See page 315.

Fluidra Connect compatible

MADE IN EUROPE

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Neolysis 2 LS (low salt 1 g/L)				
AP NEO-S2 LS 12 g/h + UV 48W	74686	1	13.50	0.187
AP NEO-S2 LS 24 g/h + UV 56W	74687	1	14.00	0.187
AP NEO-S2 32 LS g/h + UV 56W	74688	1	15.50	0.187
AP NEO-S2 12 LS g/h + UV 48W + pH	74689	1	14.00	0.187
AP NEO-S2 24 LS g/h + UV 56W + pH	74690	1	14.50	0.187
AP NEO-S2 32 LS g/h + UV 56W + pH	74691	1	15.00	0.187
AP NEO-S2 12 LS g/h + UV 48W + pH/ORP	74692	1	14.50	0.187
AP NEO-S2 24 LS g/h + UV 56W + pH/ORP	74693	1	15.00	0.187
AP NEO-S2 32 LS g/h + UV 56W + pH/ORP	74694	1	17.00	0.187
Neolysis 2 (standard salinity)				
AP NEO-S2 12 g/h + UV 48W	74695	1	13.50	0.187
AP NEO-S2 24 g/h + UV 56W	74696	1	14.00	0.187
AP NEO-S2 32 g/h + UV 56W	74697	1	15.50	0.187
AP NEO-S2 12 g/h + UV 48W + pH	74698	1	14.00	0.187
AP NEO-S2 24 g/h + UV 56W + pH	74699	1	14.50	0.187
AP NEO-S2 32 g/h + UV 56W + pH	74700	1	15.00	0.187
AP NEO-S2 12 g/h + UV 48W + pH/ORP	74701	1	14.50	0.187
AP NEO-S2 24 g/h + UV 56W + pH/ORP	74702	1	15.00	0.187
AP NEO-S2 32 g/h + UV 56W + pH/ORP	74703	1	17.00	0.187
Optional:				
Relay Box (for pool equipment control)	72454	1	9.50	-
S-Driver® modules:				
SD-pH	70049	1	0.80	0.006
SD-Pump	70054	1	0.80	0.06
SD-ORP	70051	1	0.80	0.006
SD-PPM	70052	1	6.00	0.051
SD-VSP	73471	1	0.80	0.002

70049	70051	70052	73471

Possibility of upgrading the unit with S-Driver® modules

WATER TREATMENT EQUIPMENT

AUTOMATIC UV DISINFECTION - RESIDENTIAL POOLS

+ Heliox UV LP systems (LP = Low Pressure) are designed to be used in residential pools. They work on a wavelength of 254 nm, which is ideal for removing microorganisms. They will enable you to benefit from the latest ultraviolet light technology in the field of water treatment.

DESCRIPTION

- Stainless steel and polyethylene versions.
- Double lamp version (LP30 and LP30+).
- Plastic injection power box.
- Fluidra technology (design and manufacturing).
- Lamp "ON" indicator.
- Electronic counter for working time and ignitions (lamp lifetime control).
- Flow switch (optional, included in LP+ versions).
- LP+ versions come with a built-in pH/ORP controller (complete package).
- LP+ versions come with a flow switch, pH/ORP sensors and sensor holder (dosing pumps not included).

Heliox UV LP S.S. (Stainless Steel)

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Heliox UV LP S.S. (Stainless Steel)				
Heliox UV LP 10	52206	1	11.80	0.153
Heliox UV LP 14	52207	1	12.00	0.153
Heliox UV LP 25	52208	1	15.00	0.187
Heliox UV LP 30	52209	1	15.60	0.187
Version with pH/ORP Control (LP+)				
Heliox UV LP 10 +	52210	1	12.10	0.153
Heliox UV LP 14 +	52211	1	12.40	0.153
Heliox UV LP 25 +	52212	1	16.00	0.187
Heliox UV LP 30 +	52213	1	16.50	0.187

Heliox UV LP PE (PolyEthylene)

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Heliox UV LP PE (Polyethylene)				
Heliox UV LP P10	52214	1	7.90	0.153
Heliox UV LP P14	52215	1	8.10	0.153
Heliox UV LP P20	52216	1	9.20	0.187
Heliox UV LP P25	52217	1	9.60	0.187
Version with pH/ORP Control (LP+)				
Heliox UV LP P10 +	52218	1	8.10	0.153
Heliox UV LP P14 +	52219	1	8.30	0.153
Heliox UV LP P20 +	52220	1	10.80	0.187
Heliox UV LP P25 +	52221	1	11.15	0.187

TECHNICAL FEATURES

Material	Code	Model	Code	Model	Flow rate (30 mJ/cm²)	Num. lamps	Rated / UV-C power	Total height (mm)	Ø reactor
Stainless steel	52206 & 52210	UV LP 10	52210	UV LP 10+	10 m³/h	1	48 / 13 W	790	204
Stainless steel	52207 & 52211	UV LP 14	52211	UV LP 14+	14 m³/h	1	56 / 18 W	790	204
Stainless steel	52208 & 52212	UV LP 25	52212	UV LP 25+	25 m³/h	1	90 / 30 W	1033	204
Stainless steel	52209 & 52213	UV LP 30	52213	UV LP 30+	30 m³/h	2	2 x 75 / 2 x 25 W	1033	204
PE	52214 & 52218	UV LP P10	52218	UV LP P10+	10 m³/h	1	48 / 13 W	735	200
PE	52215 & 52219	UV LP P14	52219	UV LP P14+	14 m³/h	1	56 / 18 W	735	200
PE	52216 & 52220	UV LP P20	52220	UV LP P20+	20 m³/h	1	75 / 25 W	978	200
PE	52217 & 52221	UV LP P25	52221	UV LP P25+	25 m³/h	1	90 / 30 W	978	200

WATER TREATMENT EQUIPMENT

Lyriox UV-C

+ Affordable & sustainable UV-C treatment solution for pools & spas.
+ Eco-friendly sanitation : drastically reduces the use of residual disinfection products.
**+ Compact & easy to install.**

DESCRIPTION

• Corrosion free : 100% made of PVC, hence suitable for use in combination with salt water
• Integrated ballast casing
• Also exists in a compact U-shape version for easier installation (50W model)
• UV-C high quality lamps (9 000 h).
• Provided with 50mm or 63mm unions (depending on model) to ease installation.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Lyriox UV-C 15W	82100	1	-	-
Lyriox UV-C 25W	82101	1	-	-
Lyriox UV-C 30W	82102	1	-	-
Lyriox UV-C 50W Compact	82103	1	-	-
Lyriox UV-C 55W	82104	1	-	-
Lyriox UV-C 75W	82105	1	-	-
Lyriox UV-C 110W	82106	1	-	-

TECHNICAL FEATURES

Code	Flow rate for 30 mJ/cm² (m³/h)	Max. flow rate (m³/h)	Rated UV-C power (Watt)	Piping Connection	Reactor material	Lamp service life
82100	2	7	15	50mm	PVC	9 000 h
82101	2	10	25	50mm	PVC	9 000 h
82102	4	15	30	50mm	PVC	9 000 h
82103	5	15	50	50mm	PVC	9 000 h
82104	8	20	55	50mm	PVC	9 000 h
82105	10	25	75	63mm	PVC	9 000 h
82106	15	25	119	63mm	PVC	9 000 h

WATER TREATMENT EQUIPMENT
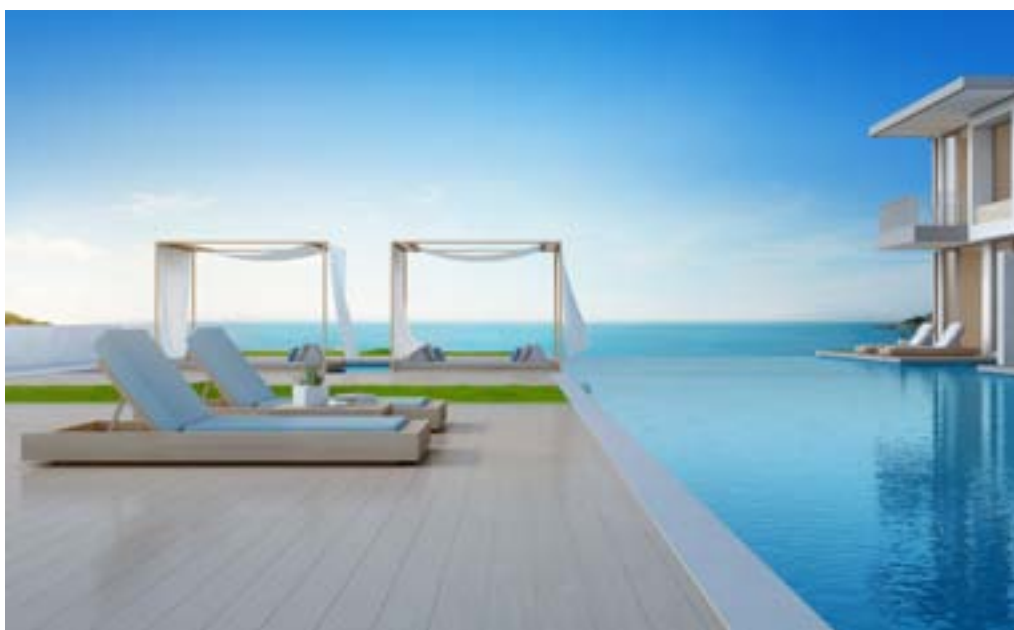
Neolysis & Neolysis 2 lamps

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
48-W UV LP-10 lamps	60559	1	0.10	0.016
56-W UV LP-14 lamps	60606	1	0.12	0.016
UV LP-10/14 quartz	60607	1	0.08	-

Neolysis & Neolysis 2 electrodes

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
12 gr/h Neolysis LS electrode	61116	1	0.88	0.064
24 gr/h Neolysis LS electrode	61117	1	1.15	0.064
32 gr/h Neolysis LS electrode	61118	1	1.85	0.064
12 gr/h Neolysis (6 gr/l) electrode	67807	1	0.70	0.064
24 gr/h Neolysis (6 gr/l) electrode	67808	1	1.00	0.064
32 gr/h Neolysis (6 gr/l) electrode	67809	1	1.70	0.064

Heliox UV LP lamps

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
48-W UV LP-10 lamps (Codes 52206, 52210, 52214, 52218)	60559	1	0.10	0.016
56-W UV LP-14 lamps (Codes 52207, 52211, 52215, 52219)	60606	1	0.12	0.016
75-W UV LP-20 lamp (Codes 52216, 52220)	60608	1	0.20	0.022
90-W UV LP-25 lamp (Codes 52208, 52212, 52217, 52221)	60609	1	0.12	0.022
Kit of 2 x 75-W UV LP replacement lamps (Codes 52209, 52213)	60637	1	0.24	0.045
UV LP-10/14 quartz (lamps 48 W and 56 W)	60606	1	0.08	0.016
UV LP-20/25/30 quartz (lamps 75 W and 90 W)	60631	1	0.09	0.022

WATER TREATMENT EQUIPMENT

MODEL COMPARISON

Product platform name	Control Connect			Dual Basic Plus		Basic Plus			Basic Next		
Product name	Control Connect			Dual pH-EV Basic Control Plus		Control Basic Plus		Redox Basic EV Plus	Control Basic Next		Redox Basic EV Next
Regulation type	pH & chlorine liquid dosing			pH & electrolysis control		pH or chlorine liquid dosing		Electrolysis management	pH or chlorine liquid dosing		Electrolysis management
Measure technology	pH	ORP	PPM	pH	ORP	pH	ORP	ORP	pH	ORP	ORP
Buit-in dosing pump type	-			Peristaltic	-	Peristaltic	Peristaltic	-	Peristaltic	Peristaltic	-
Power pack											
User interface	2,8'' Oled touchscreen			LCD screen		LCD screen		LCD screen	LCD screen		LCD screen
Dosing pump (L/h)	-			0.4 or 1.5	-	1.5 or 5.0	1.5 or 5.0	-	0.4, 1.5 or 3.0	0.4, 1.5 or 3.0	-
Main on/off switch	✓			✓		✓		✓	✓		✓
Over-feed alarm	✓			✓		✓		✓	✓		✓
Alarm relay (for remote info)	-			✓		✓		✓	-		-
Water temperature	✓			✓ (optional PT100 input)		✓ (optional PT100 input)		✓ (optional PT100 input)	-		-
Inputs - Outputs	4 (digital) - 4 (relays)			-		-	-	-	-		-
Sensors / Regulation											
Sensor(s) provided	✓ (pH & ORP or pH & PPM)			✓	✓	- (pH kit)	- (ORP kit)	- (ORP kit)	✓	✓	✓
Sensor(s) installation	In line or Panel (depends on model)			In line	In line	In line	In line	In line	In line	In line	In line
Range measurement	0.0-9.9 pH	0-999 mV	0.0-5.0 ppm	0.0-14.0 pH	0-999 mV	0.0-14.0 pH	0-999 mV	0-999 mV	0.0-14.0 pH	0-1000 mV	0-1000 mV
Automatic calibration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connectivity / App control											
IoT connectivity — App control	✓ (embedded) Poolstation			-		-	-	-	-		-
IoT connectivity — Compatible with Connect & Go automation	NN Thing			NN Thing		NN Thing	NN Thing	NN Thing	-		-
Warranty	3 years			2 years		2 years		2 years	2 years		2 years

Control Connect

ASTRALPOOL

DESCRIPTION

A fully automated multi-parameters control unit for a balanced and disinfected swimming pool. A range of models suitables to different needs with either pH & ORP automatic regulations and dosing or pH & PPM free chlorine automatic regulations.

- Connected product using built-in Ethernet port and PoolStation app (available on iOS & aOS).
- NN compatible: Smart control within Fluidra Connect pool automation and NN app (available on iOS & aOS).
- Available in stand-alone version (code 71537) or in a complete panel version with low flow chamber (codes 71538 & 71539).
- 2.8" TFT colour touchscreen.
- 4 digital inputs and 4 digital outputs (relays) to control the filter pump, heat pump, lighting, refill system, etc.
- Water temperature reading as standard.
- Equipped with a flow switch as standard.
- Equipped with dedicated outputs for pH & chlorine dosing pumps.
- pH and chlorine dosing pumps NOT included to give maximum flexibility depending on pool type. Kit 70054 can be used (1.5 L/h peristaltic pumps).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
pH / ORP / Temp. stand-alone	71537	1	5.85	0.047
pH / ORP / Temp. complete panel	71538	1	6.85	0.079
pH / PPM / Temp. complete panel	71539	1	6.85	0.079
Optional:				
SD-Pump	70054	1	0.80	0.06
Relay Box (for pool equipment control)	72454	1	9.50	-
S-Driver® modules:				
SD-VSP	73471	1	0.80	0.002

70054

72454

73471

71537
pH/ORP/Temp.
stand-alone

71538
pH/ORP/Temp.
complete panel

71539
pH/PPM/Temp.
complete panel

Fluidra Connect compatible

Relay Box

Elite Connect, Neolysis 2, Control Connect

DESCRIPTION

Pre-wired cabinet that facilitates the installation between Elite Connect, Neolysis 2 or Control Connect and the pool equipment that can be controlled using 4 power outputs (filter pump, heater, lighting, etc.). See Elite Connect on page 304, Neolysis 2 on page 309 and Control Connect on page 314.

- IP55 watertight casing.
- All outputs are protected by a fuse.
- Control features :
  1 x 230 Vac output for :
  - Filter pump up to 3 HP
  - Or any device up to 10A / 2.3 kW
  3 x 230 Vac outputs for :
  - Filter pump up to 1/3 HP
  - Any device up to 6.5A / 1.5 kW

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Relay Box	72454	1	9.5	-

Dual pH-EV Basic Control Plus

DESCRIPTION

The DUAL pH-EV Basic Control Plus dosing device has been specifically designed for automatically controlling pH and ORP levels. It is a must in home spas and pools. It can work with a salt chlorinator or chlorine tablets, as it has relay output for enabling the chlorinator, in addition to controlling a pool's pH levels though a peristaltic pump.

Small in size, it comes with all of the components required for proper installation. Depending on the device that has been connected, the control function can be set to the ON-OFF setting or proportional setting (ideal for solenoid valves).

General technical features
- Automatic pH or redox control and dosing system.
- Measurement range of 0–14 (pH) and 0–100 mV (redox).
- Includes full installation kit comprising a pH and Redox sensor, sensor holder, standard solutions, suction and blow pipes and suction- and blow-pipe fittings.
- ABS casing with IP65 protection rating.
- Digital screen that gives pH, redox (ORP) and temperature (optional Pt100) readings
- Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.
- Chemical product level inlet.
- Alarm relay.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Dual pH-EV Basic Control 1.5 l/h compatible with Fluidra Connect (includes sensors)	66180	1	-	-
SPA pH-EV 0.4 l/h Dual Basic Control compatible with Fluidra Connect (includes sensors)	66181	1	-	-
Optional				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-

Fluidra Connect compatible

WATER TREATMENT EQUIPMENT

Control Basic Plus

ASTRALPOOL

DESCRIPTION

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. The device automatically measures and checks a pool's pH or ORP level.

Supplied without sensors or calibration solutions. Installation kit included.
• Plastic housing with IP-65 protection rating
• Backlit LCD display comprising 2 lines and 16 characters.
• Self-calibration of sensors.
• Quality control of sensors.
• Dosing pause during alarms and notification by a blinking LED.
• Proportional dosing.
• Adjustable set point.
• Flow rate: 1,5 l/h or 5 l/h.
• Back pressure: 1.5 bar.
• pH measurement range: 0.00 to 14.00.
• Redox measurement range: -999 to + 999 mV.
• Switch.
• Alarm relay.
• Minimum chemical product level input.
• PT100 temperature inlet (optional sensor).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Control Basic 1,5 l/h	66159	1	2.2	0.01
Control Basic 5,0 l/h	66160	1	2.2	0.01
pH sensor with calibration solutions	36004	1	0.4	0.001
Redox sensor with calibration solutions	36005	1	0.3	0.001
Optional				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-

COMPATIBLE

NN thing

Fluidra Connect compatible

Check sensors and installation kit on page 317

Redox Basic EV Plus

ASTRALPOOL

DESCRIPTION

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. Recommended for use with any chlorinator without ORP regulation.

Supplied without sensors or calibration solutions. Installation kit included.
• Plastic housing with IP-65 protection rating
• Backlit LCD display comprising 2 lines and 16 characters.
• Self-calibration of sensors.
• Quality control of sensors.
• Dosing pause during alarms and notification by a blinking LED.
• Proportional dosing.
• Adjustable set point.
• Redox measurement range: -999 to + 999 mV.
• Switch.
• Alarm relay.
• Output relay for external component.
• Minimum chemical product level input.
• PT100 temperature input (optional sensor).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Redox Basic EV Plus, sensor not included	66161	1	2.1	0.01
Redox sensor with calibration solutions	36005	1	0.3	0.001
Optional				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-

COMPATIBLE

NN thing

Fluidra Connect compatible

Check sensors and installation kit on page 317

WATER TREATMENT EQUIPMENT

Control Basic Next

ASTRALPOOL △

DESCRIPTION

The Control Basic Next device has been specifically designed for the automatic control of pH and redox levels. It can be set to control whichever of these two functionalities is required.

It is the most simple control and dosing device in the market. Small in size, it has all of the components required for immediate installation.

General technical features
• Automatic pH or redox control and dosing system.
• Measurement range of 0–14 (pH) and 0–100 mV (redox).
• It comes with a full installation kit, made up of a pH or redox sensor (depending on the model), a sensor holder, standard solutions, suction and blow pipes, and suction and blow pipe fittings.
• ABS casing with IP65 protection rating.
• Digital display screen for both pH and redox readings.
• Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Control Basic pH 1.5 l/h NEXT (pH sensor included)	66162	1	-	-
Control Basic pH 3 l/h NEXT (pH sensor included)	66336	1	-	-
Control Basic ORP 1.5 l/h NEXT (ORP sensor included)	66163	1	-	-
Control Basic ORP 3 l/h NEXT (ORP sensor included)	66337	1	-	-
Control Basic pH 0.4 l/h NEXT SPA (pH sensor included)	66156	1	-	-
Control Basic ORP 0,4 l/h NEXT SPA (ORP sensor included)	66157	1	-	-

Redox Basic EV Next

ASTRALPOOL △

DESCRIPTION

The Redox Basic EV Next device has been specifically designed for automatically controlling ORP levels. It is the most simple control and dosing device in the market. Small in size, it has all of the components required for immediate installation.

It can work with a salt chlorinator, a simple dosing pup or even chlorine tablets thanks to its relay output automatically enabling the sanitation feature when needed.

General technical features
• Automatic redox control and dosing system.
• Measurement range of 0-1000 mV.
• It comes with basic installation kit, made of an ORP sensor, a sensor holder and standard buffer solution (no piping kit as device is made to control a separate sanitizer appliance).
• ABS casing with IP65 protection rating.
• Digital screen that gives redox readings.
• Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Redox Basic EV Next Includes redox sensor	66174	1	-	-

Installation kit						Sensors kits			
Control Basic Next	▪	▪	▪	▪	▪	pH sensor with calibration solutions (Code: 36004)	▪		▪
Redox Basic EV next				▪	▪	Redox sensor with calibration solutions (Code: 36005)		▪	▪

Bracket for mounting above tank

DESCRIPTION

Optional support for mounting the OPTIMA series and pH Basic horizontally; for example, above chemical solution tanks.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	36830	1	0.1	0.002

Peristaltic dosing pumps

DESCRIPTION

90/260V 50/60 Hz electrical connection.

The installation kit includes:
• Transparent glass-type flexible 2-m PVC suction pipe.
• Semi-rigid white polyethylene 2-m return pipe.
• 3/8" BSP m. injection valve.
• Pool floor filter.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Peristaltic pump 4 l/h (3 bar)	57179	1	-	-
Peristaltic pump 12 l/h (1 bar)	57178	1	-	-

Polyethylene cylindrical tanks

DESCRIPTION

To hold chemicals for dosage pumps.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Capacity: 125 l	01314	1	4.5	0.120
Capacity: 250 l	01315	1	10.0	0.390
Capacity: 350 l	01316	1	14.0	0.510
Capacity: 500 l	01317	1	21.5	0.760
Capacity: 1000 l	28831	1	-	-

Manual stirrer

DESCRIPTION

For Polyethylene tanks.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Length 60 cm	01318	1	0.5	0.010
Length 90 cm	01319	1	1.2	0.020

WATER TREATMENT EQUIPMENT

Floating dispenser

36620　　69668

38630　　38629

DESCRIPTION

Allows for dosing and easy chemical product handling in the pool.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Shark Series				
Floating dispenser for 200 g tablets	36620	12	8.0	0.14
Blue Line				
Dispenser with tablet level indicator	69668	12	3.8	0.067
Basic Line				
Floating dispenser for 200 g tablets	38630	12	4.0	0.079
Floating dispenser for 20 g tablets	38629	12	4.0	0.030

Dossi-5 and Dossi-10 in-line
Bromine feeders

DESCRIPTION

Bromine dispenser. Manufactured from unalterable plastic materials (ABS). With regulation valve, manual purge, Venturi automatic depression purge, and opening key. For pools up to 45 m³ with the Dossi-5 dispenser and up to 90 m³ Dossi-10 dispenser. Connections 1½". Ø 200 mm.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Dossi-5 in-line. Height 486 mm **Approximate capacity: 5 kg of tablets**	21438	1	3.7	0.031
Dossi-10 in-line. Height 725 mm **Approximate capacity: 10 kg of tablets**	21439	1	4.8	0.049

Dossi-5 and Dossi-10 off-line
Chlorine and bromine feeder

DESCRIPTION

Bromine and chlorine feeder. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 5 kg of tablets for Dossi-5 and 10 kg for Dossi-10. Supplied with two valves in order to stop the water flow. Height 486 mm and Ø 200 mm. Connections Ø 20 mm.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Dossi-5 off-line for pools up to 100 m³	01413	1	3.7	0.031
Dossi-10 off-line for pools up to 200 m³	43998	1	4.86	0.048

TECHNICAL FEATURES

	Volume of chlorine-treated pools	Volume of bromine-treated pools
Dossi 5	20 m³ - 80 m³	4 m³ - 50 m³
Dossi 10	20 m³ - 160 m³	4 m³ - 100 m³

WATER TREATMENT EQUIPMENT

DOSING EQUIPMENT

3.5 kg Dossi-3

Chlorine and bromine feeder

ASTRALPOOL

DESCRIPTION

Chlorine and bromine feeder. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 3.5 kg of tablets. Lid closing with double safety system. Easy to operate regulation valves. For pools up to 60 m^3 with Chlorine and up to 30 m^3 with bromine. Height: 405 mm.

	Code	Standard Pack	Standard weight in kg	Standard volume in m^3
Dossi-3 in-line For direct connection to pipework with 1½" connectors	24429	1	1.81	0.03
Dossi-3 off-line For by-pass connection with flexible tube	24430	1	1.90	0.031

Code 24429   IN-LINE

Code 24430   OFF-LINE

FROM FILTER   TO POOL

TO FILTER

FROM FILTER   PUMP   TO POOL
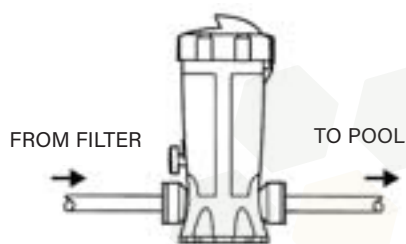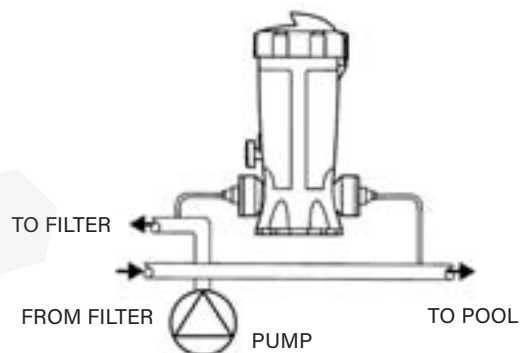
Woltmann type turbine
flow meter

ASTRALPOOL

NEW 2023

DESCRIPTION

Axial turbine meter, Woltmann type, direct reading on numbered rollers. Dry dial counter, with magnetic drive. Clockwork and easily removable turbine.

Pre-equipment of pulse transmitter with plug and play system, with non-configurable pulse emitter. Meters between DN50 and DN125: 1 pulse each 100 liters and between DN150 and DN200: 1 pulse every 1000 litres. Ask for other configuration.

• No need for rectilinear sections, neither at the entrance nor at the exit of the meter. U0-D0.
• High precision in the measurement Metrology R160 horizontal position and vertical R100.
• Vacuum sealed dial(IP68).
• Cold water use 0,1 - 30°C.
• The Predator water meter can reach up to 16 bar.
• Potable water and irrigation type certificate.
• Easy installation of the pulse emitter.
• Pulse transmitter cable not included (code 71721).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	71714	1	-	-
	71715	1	-	-
	71716	1	-	-
	71717	1	-	-
	71718	1	-	-
	71719	1	-	-
	71720	1	-	-
	71721	1	-	-

Electrically driven plastic valves - Nylon

ASTRALPOOL

DESCRIPTION

• Made of plastic with reinforced nylon.
• Stainless steel spring and screws.
• Working pressure 0.7 - 10 bar
• 2-way solenoid, internal control, 24 VAC /50Hz.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
11/2" connections	56115T	1	1.0	-
2" connections	56116T	1	0.7	-
3" connections	57641	1	1.1	-

24 Volt solenoids

ASTRALPOOL

DESCRIPTION

To install in electric valves.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
24 VAC Solenoid for valve 57641	56699	1	-	-
24 VAC Solenoid for 56115T and 56116T	56699T	1	-	-

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

Disinfection

Water disinfection that adapts to every need and every budget.

Chlor Expert **Ei²** **EiSalt** **eXPERT** Standard, with pH or with pH/ORP regulations **eXO® iQ** **eXO® iQ LS** **Hydroxinator® iQ**

pH regulation

The basis of water treatment, adapted to each Zodiac® disinfection or chlorinator solutions.

pH Expert **pH Link** **Dual Link** (pH/ORP)

MagnaPool® is an exclusive, magnesium-based chlorinator solution for incomparably gentle, pure and crystal clear water and unequalled bathing comfort.

MagnaPool® minerals + **Crystal Clear filtration glass** + **Hydroxinator® iQ**

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 alkalinity	**Standard alkalinity**	**High alkalinity**
TAC < 10 °f (100 ppm CaCO$_3$)	Default setting	TAC > 15 °f (150 ppm CaCO$_3$)

> 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

pH

- - - Change of pool pH

+
8,05
7,9
7,75
7,6
7,45
7,3
7,15
7
6,85
6,7
6,55
-

100 % 75 % 50 % 20 %

Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH

50 % 20 %
75 %
100 %

Dosing cycle time

10 min. | 10 min. | 10 min. | 10 min.   10 min. | 10 min. | 10 min. | 10 min.

Pool with high pH - Acid dosing   Pool with low pH - Alkaline dosing
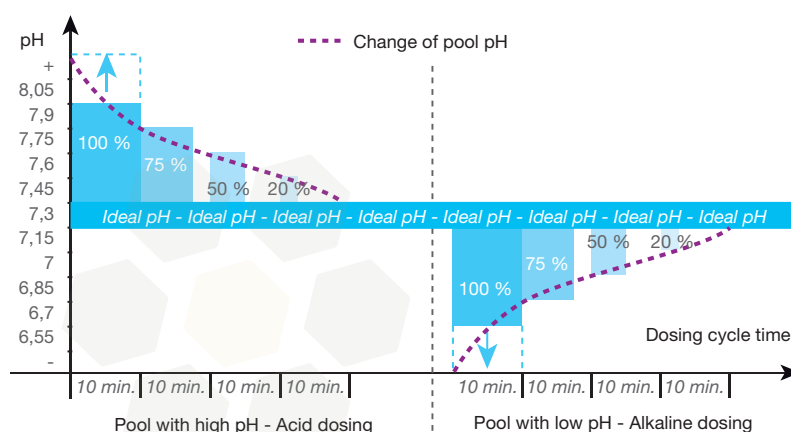
> FOR GREATER COMFORT

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

0   7,0 - 7,6   14

ACID	**IDEAL**	**ALKALINE**
- Irritation to eyes and skin - Corrosion of metal equipment	- Optimum efficiency of water treatment - Perfect bathing comfort	- Alteration of disinfection efficiency - Irritation to eyes and skin - Limescale deposits
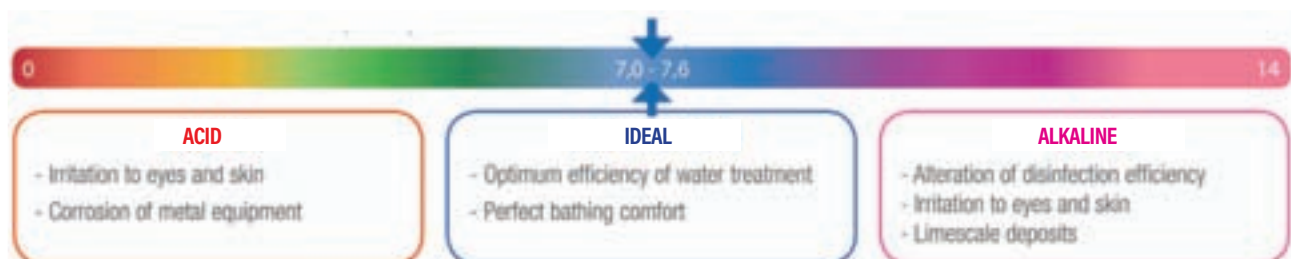
DID YOU KNOW?
The pH must be controlled and adjusted, whatever the disinfection system used. As a result, Zodiac pH regulation systems can be used in all types of pools.

ZODIAC®

AUTOMATICAL REGULATORS

pH Expert

ZODIAC®

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

2 YEAR WARRANTY

PROFESSIONAL ADVICE RECOMMENDED

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

ACCESSORIES INCLUDED IN THE PACK

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

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 (l 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:

Chlorine effectiveness (%)

Ideal range

Active chlorine (HClO)

Hypochlorite (ClO⁻)

pH
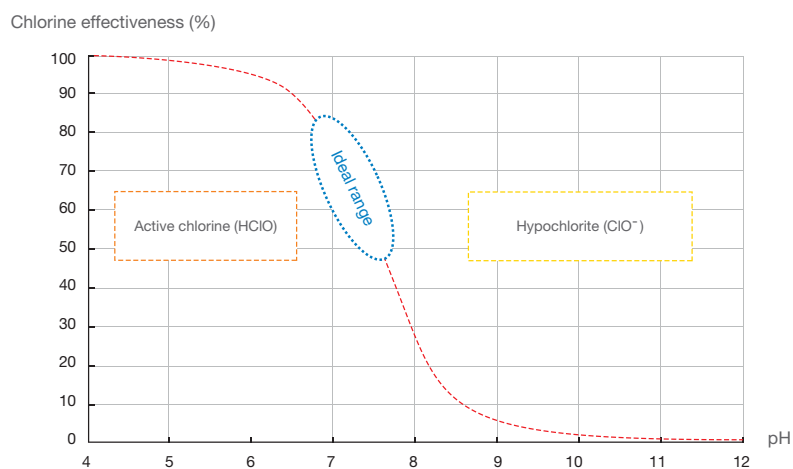
INSTALLATION

- 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.

pH Expert installation diagram

+30cm +60cm

pH
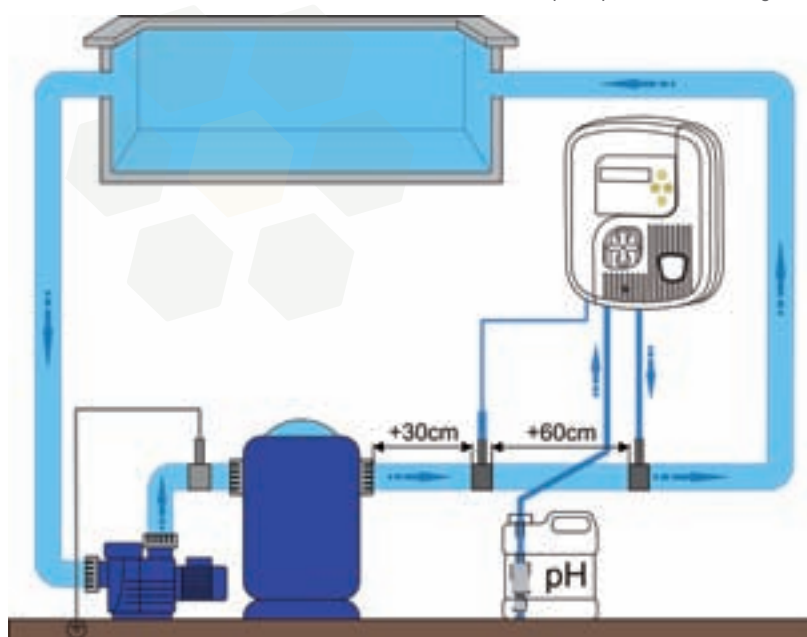
OPTIONAL ACCESSORIES

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

Example with a setpoint of 740 mV

100 % 75 % 50 % 20 %

10 min.   10 min.   10 min.   10 min.

Dosing cycle time
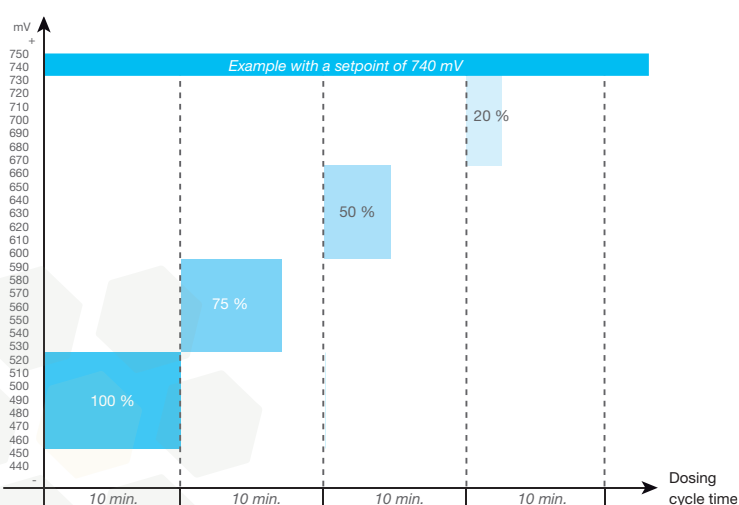
> FOR GREATER COMFORT

- 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** 'POD kit' will be the ideal option for a simple installation and accurate measurement.
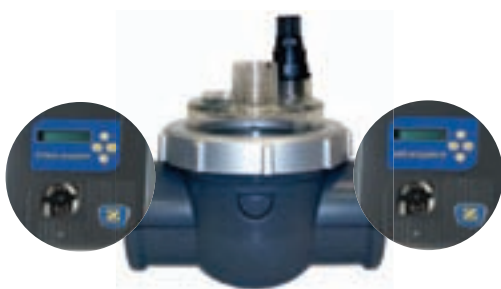
DID YOU KNOW?

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

ZODIAC®

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

ACCESSORIES INCLUDED IN THE PACK

ORP Sensor	Buffer solutions kit	Plumbing kit	Wall mounting kit	Suction Pipe

2 YEAR WARRANTY

PROFESSIONAL ADVICE RECOMMENDED

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

FOR WHICH POOL?

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 (l 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.

WATER TREATMENT EQUIPMENT

pH effect on ORP, and influence of CHLORINE STABILIZER:

Free chlorine (ppm)

mV

| pH 6,5 |
| pH 7,0 |
| pH 7,2 |
| pH 7,4 |
| pH 7,6 |

850
800
750
700
650
600
550
500

0,05   0,1   0,2   0,3   0,4 0,5   1   2   3   4

Stabilizer (ppm)

120
90
60
30

450   500   600   700

1 ppm chlorine @ pH 7.4
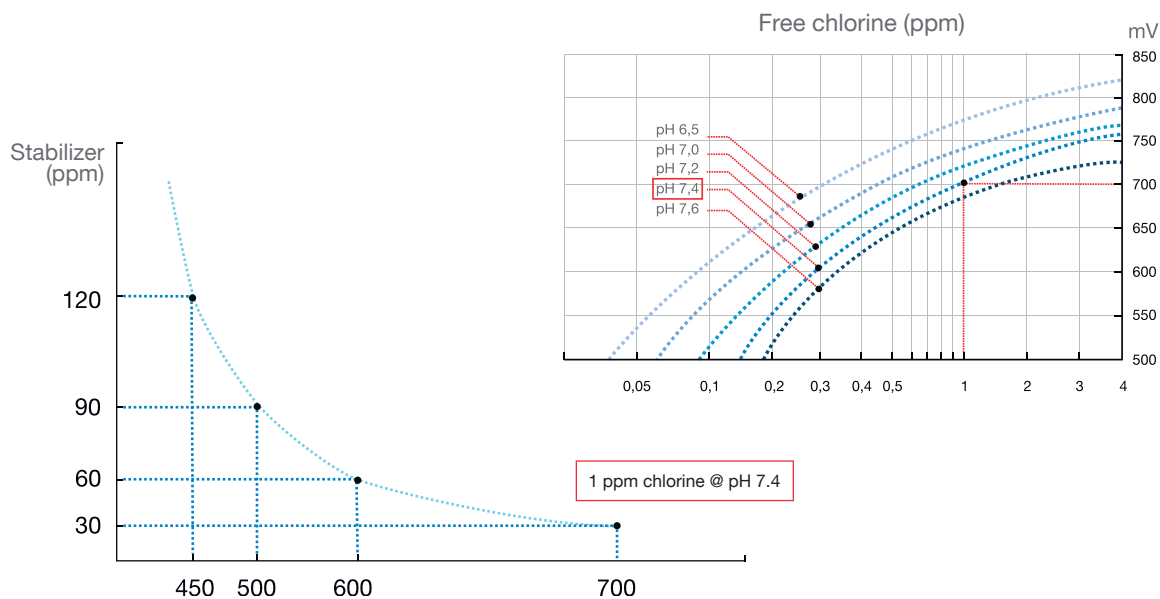
INSTALLATION

- 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.

Chlor Expert installation diagram

+30cm +60cm
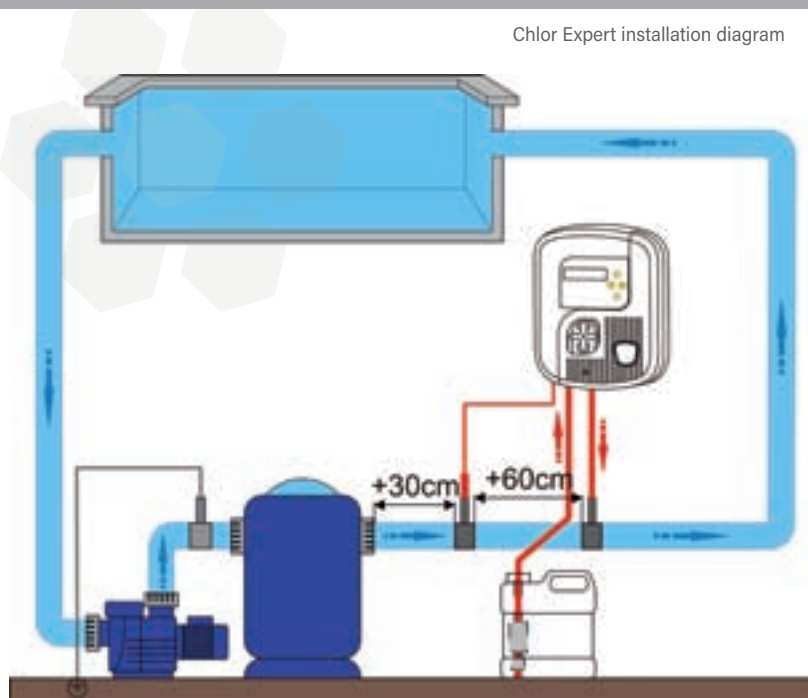
OPTIONAL ACCESSORIES

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.

CYCLIC REACTION OF SALT ELECTROLYSIS

Chlorinator cell

Water + Salt in solution

Disinfecting agent: active chlorine

Organic matter + UV rays

INCONDITIONNELLE GARANTIE INCONDITIONNELLE
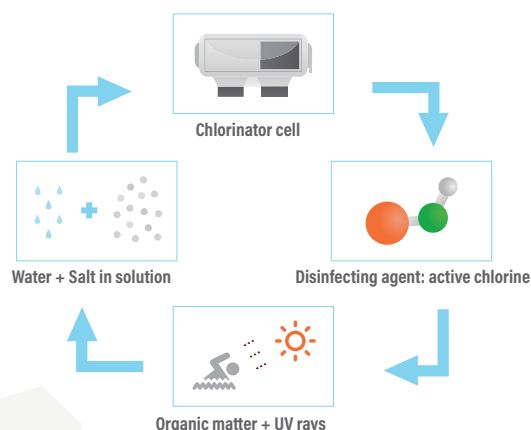
REFERENCE POINT
Zodiac® control units and salt chlorinator cells will be repaired or exchanged during the guarantee period, whatever the causes of damage.

SELECTION GUIDE

	Ei²	EiSalt	eXPERT	eXO® iQ	eXO® iQ LS
Volume of water treated in m³ (temperate climate, filtration 8 h/day)	50 / 90 / 110	50 / 90 / 140	30 / 50 / 90 / 140 / 180	40 / 70 / 100 / 160	40 / 70
Chlorine production in g/h	12 - 20 - 25	12 - 21 - 30	7 - 12 - 21 - 30 - 40	10 - 18 - 22 - 35	10 - 18
Salinity in g/L (min... / required / ... max)	3,0... / 4,0 / ...10	3,5... / 5,0 / ...10	3,5... / 4,0 / ...10	3,3... / 4,0 / ...13	1,6... / 2,0 / ...10
Cell type	Quick Fix	L shape	L shape	Inverted U	Inverted U
Working life of cell*	7 500 h	8 000 h	10 000 h	10 000 h	10 000 h
Polarity reversal	5 h	2 / 3 h	2 / 3 / 4 / 7 h	2 to 8 h	2 to 8 h
Unit protection rating	IPX5	IPX4	IP65	IP43	IP43
User interface	LEDs	LEDs	Touch-screen & LCD	Backlit LCD screen	Backlit LCD screen
Number of interface languages	N/A	N/A	N/A	11	11
Boost mode / Low mode (=cover contact)	- / ✓	- / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Timers	-	✓	-	✓	✓
User information	LEDs	LEDs	Warning icons	Messages + LEDs	Messages + LEDs
Flow rate detection	Gas sensor	Gas sensor	Flow switch	Flow switch	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	-	-	✓ iAquaLink+ (with optional iQBridge RS)	✓ (embedded) iAquaLink	✓ (embedded) iAquaLink
Unconditionnal warranty (Power pack & Cell)	2 years	2 years	2 years	3 years	3 years
Optional accessories	• Winterizing cap • Locking ring wrench	-	• iQBridge RS WiFi gateway	• pH Link module • Dual Link module	• pH Link module • Dual Link module

* Under good operating conditions.

ZODIAC®

SALT WATER CHLORINATORS

Ei²

ZODIAC®

+ **Long lasting**
+ **Suitable for all installations**
+ **Easy to install**

2 YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL

PROFESSIONAL ADVICE RECOMMENDED

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

Ti 22 TITANE INSIDE

COVER MODE

ACCESSORIES INCLUDED IN THE PACK

Installation Kit

FOR WHICH POOL?

Model	Ei² 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	Ei² 12	Ei² 20	Ei² 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	Ei² 12	Ei² 20	Ei² 25
Power supply	220-240 VAC / 50 Hz (mains power cable with moulded plug)		
Working life of cells*	7 500 h (titanium plates, SC6 ruthenium coating)		
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.

INSTALLATION

- 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.

Ei² installation diagram:
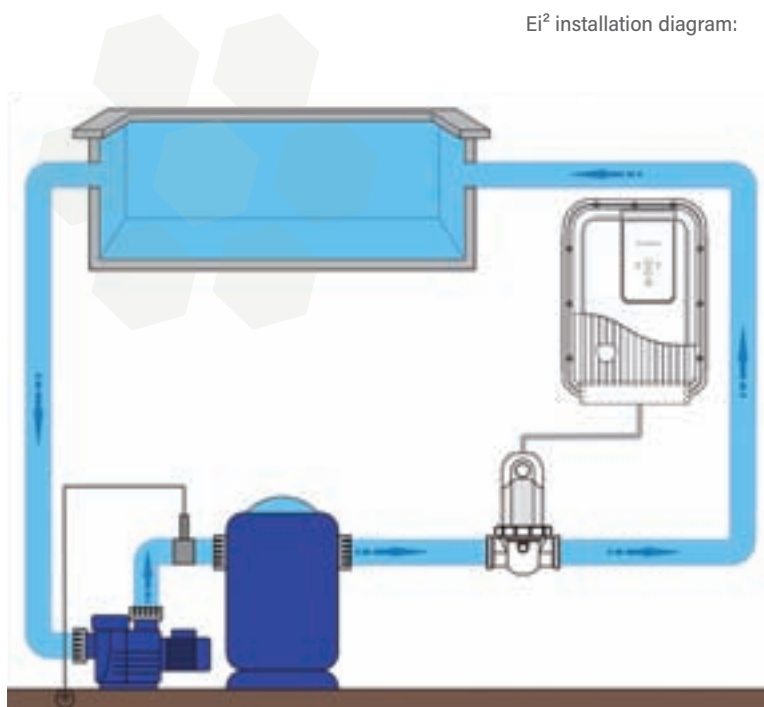
OPTIONAL ACCESSORIES

Locking ring wrench	Winterizing cap
R0769900	R0770100

ZODIAC®

SALT WATER CHLORINATORS

EiSalt

ZODIAC® | NEW 2023

+ **Long lasting**
+ **Suitable for all installations**
+ **Safety first**

PROFESSIONAL ADVICE RECOMMENDED

2 YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL

NEW IN **2023**

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

Ti·22 TITANE INSIDE

COVER MODE

FOR WHICH POOL?

Model	EiSalt 12	EiSalt 21	EiSalt 30
Volume of treated water (temperate climate, 8h/day filtration)	50 m³	90 m³	140 m³
Nominal Chlorine production	12 g/h	21 g/h	30 g/h
Nominal output Amps	6,0 A	3,5 A	6,0 A

DESCRIPTION

Model	EiSalt 12	EiSalt 21	EiSalt 30
Standard Model	75460	75461	75462
User interface	Leds		
Operating modes	Normal; Low (cover at 10 %)		
Timer	Controlled by filtration timer		
Polarity reversal	Yes: adjustable (2 or 3h)		
Required salt level - minimum	5 g/L - 3,5 g/L minimum		
Safety	Low salt' indicator light: Reduced production to protect the electrode All indicators blinking: Production is interrupted as long as conditions are not ideal		
Cell position	Horizontal or vertical		
Plumbing compatibility	DN63 mm, DN50 mm (using reducers)		

*Under good operating conditions.

TECHNICAL SPECIFICATIONS

Model	EiSalt 12	EiSalt 21	EiSalt 30
Power supply	220-240 VAC / 50 Hz		
Working life of cells*	8 000 h (titanium plates, SC6 ruthenium coating)		
Electric power	90 W	100 W	180 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	1 bar (kg/cm²)		
Maximum water temperature	40 °C		
Minimum water temperature	5 °C		
Length of the cell cable	1,5 m		
Protection index	IPX4		
Cell size (L x w x h)	21 x 34 x 11,6 cm		
Control box size (L x w x h)	20 x 30 x 13 cm		

INSTALLATION

- 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 control unit MUST be linked to the filtration unit. Power supply is cut off when the filter pump is turned off.
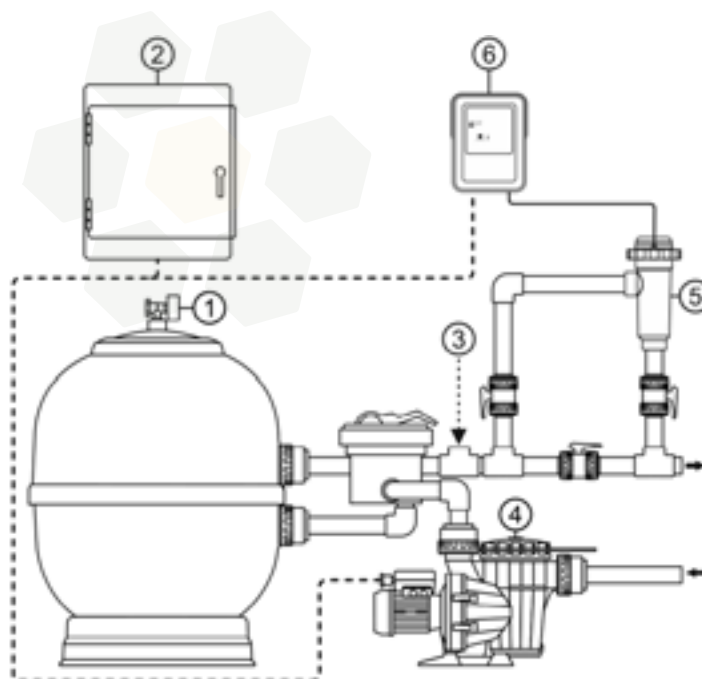
eXPERT
Versatile salt water treatment

2 YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL

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.

> DID YOU KNOW ?

BRING CONNECTIVITY WITH IQBRIDGE RS
eXPERT can be remotely controled with iAquaLink+ free app using the optional iQBridge RS for anytime & anywhere management . iQBridge RS is a plug & play WiFi gateway to easily connect eXPERT to the homeowner WiFi network and benefit from iAquaLink+ app control experience.
See "Internet of Pools" section for more details about iQBridge RS and iAquaLink+ app benefits.

WHICH MODELS ?
All eXPERT manufactured starting 2023. The power pack is equipped with a dedicated plug to connect iQBridge RS.
Simply look for the "iAquaLink+ compatible" sticker on the eXPERT carton.

> A UNIQUE INTERFACE TO ADAPT TO EACH NEED

BOOST MODE
LOW MODE (COVER)

WATERTIGHT
POWER PACK

CHLORINE OUTPUT
FROM 7 UP TO 40 g/h

LARGE TOUCH PANEL
WITH OVERSIZE FONTS

REMOTE CONTROL WITH
IAQUALINK+ APP USING
OPTIONAL IQBRIDGE RS

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
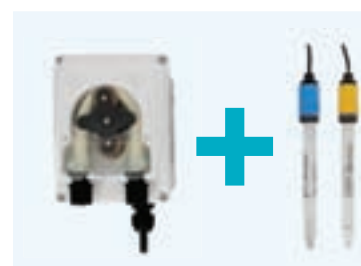
3. Salt water chlorinator + pH & ORP regulations

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				
App control	iAquaLink+ (with optional iQBridge RS WiFi gateway)				
Warranty, power pack & cell	2 years, unconditional				
Warranty, sensors	2 years (pH sensor) / 1 year (ORP gold sensor)				

ZODIAC®

eXPERT

ZODIAC® · NEW 2023

+ **Ease of use**
+ **Maximum versatility**
+ **Autonomous water quality**
+ **New : Now controllable via the iAquaLink+ app with the addition of the iQBridge RS WiFi gateway (available separately as an option).**

2 YEAR WARRANTY

UNCONDITIONNAL WARRANTY

NEW IN 2023

Ti²² TITANE INSIDE

WATER TEMP SENSOR

COVER MODE

iAquaLink+ COMPATIBLE

ACCESSORIES INCLUDED IN THE PACK

Installation Kit	Flow switch 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	Free app control (with optional iQBridge RS)

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 m³	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 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
Connected Model with iQBridge RS	eXPERT 7 +WA000068	eXPERT 12 +WA000068	eXPERT 21 +WA000068	eXPERT 30 +WA000068	eXPERT 40 +WA000068
User interface	Touch-screen and LCD				
App control	iAquaLink+ (with optional iQBridge RS)				
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 sensor-holder (provided)				
Operating modes	Normal, Boost (100% during 24h) & Low (adjustable cover mode from 10 to 90 %)				
Timer	Controlled by filtration timer				
Polarity reversal	Yes : 2, 3, 4 or 7 h (default 2 h)				
Required salt level - minimum	5 g/L - 4 g/L minimum		4 g/L - 3.5 g/L minimum		
Safety	"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				

TECHNICAL SPECIFICATIONS

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	0-60 °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 W		184 W	207 W
Minimum flow rate (needed to purge air from the cell)	3 m³ / 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.

INSTALLATION

▪ 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.
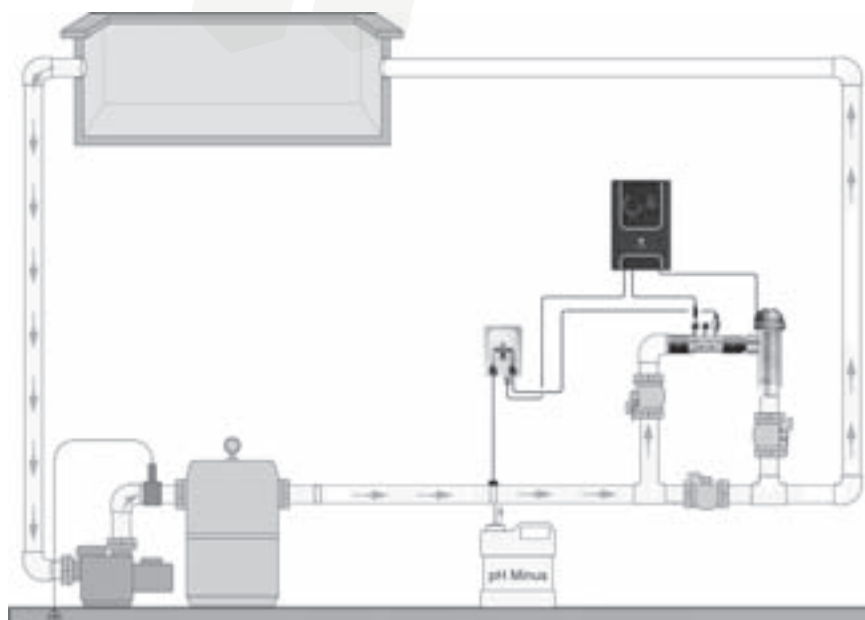
OPTIONAL ACCESSORIES

iQBridge RS WiFi gateway
WA000068

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.

eXO® iQ

eXO® iQ LS

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™ 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.

[1] 3 years unconditional (device), 2 years (pH sensor), 1 year (ORP sensor)
[2] Connected to the eXO® solution.

Hydroxinator® iQ

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.

MagnaPool®
Mineral Pool Science

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.

> A UNIQUE INTERFACE FOR PERFECT CONTROL

SIMPLE MAINTENANCE

EASY TO USE

Lighting

Other equipment
(water falls, booster pump,...)

pH & chlorine

Filter pump

Heat pump

SIMPLE MAINTENANCE

"PLUG & PLAY"
pH Link or Dual Link

> TECHNICAL CARACTERISTICS

	eXO® iQ	eXO® iQ LS	Hydroxinator® iQ
Maximum volume treated (temperate climate with water up to 28°C, disinfection capacity linked to the daily filtration time, here for 8hrs/day)	150 m^3	70 m^3	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
Optional pH and ORP regulation	Dual Link "Plug & Play" module

Connectivity / App control	iAquaLink Embedded WiFi
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®) • Lighting: White or color (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 reveasal to water hardness)
Warranty – Device	3 years, unconditional
Warranty – Sensors	2 years (pH sensor) / 1 year (ORP sensor)

ZODIAC®

SALT WATER CHLORINATORS

eXO® iQ

ZODIAC®

+ **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:** remote control with the iAquaLink™ app

3 YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL

PROFESSIONAL ADVICE RECOMMENDED

ALL TYPES OF SWIMMING POOLS

UPGRADABLE SYSTEM

Ti•22 TITANE INSIDE

iAquaLink

WATER TEMP SENSOR

COVER MODE

ACCESSORIES INCLUDED IN THE PACK				
Wall mounting kit	Flow switch kit	Temperature sensor kit	Reducing bushes kit	Free app control

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 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

DESCRIPTION				
Model	**eXO® iQ 10**	**eXO® iQ 18**	**eXO® iQ 22**	**eXO® iQ 35**
Standard Model	WW000162	WW000163	WW000164	WW000165
User interface	4-line, backlit LCD screen			
Languages	11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW)			
App control	iAquaLink			
Operating modes	Normal, Boost (100 %); Low (Adjustable 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	4 g/L - 3,3 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)			

WATER TREATMENT EQUIPMENT

TECHNICAL SPECIFICATIONS

Model	eXO® iQ 10	eXO® iQ 18	eXO® iQ 22	eXO® iQ 35
Power supply	220-240 VAC / 50-60 Hz			
Working life of cells*	10 000 h (titanium plates, 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 °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.

INSTALLATION

▪ 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

ZODIAC®

eXO® iQ LS

ZODIAC®

+ **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: remote control with the iAquaLink™ app**

3 YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL

PROFESSIONAL ADVICE RECOMMENDED

Ti²² TITANE INSIDE

UPGRADABLE SYSTEM

iAquaLink CONTROL

WATER TEMP SENSOR

COVER MODE

Energy Efficient

ACCESSORIES INCLUDED IN THE PACK				
Wall mounting kit	Flow switch kit	Temperature sensor kit	Reducing bushes kit	Free app control

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

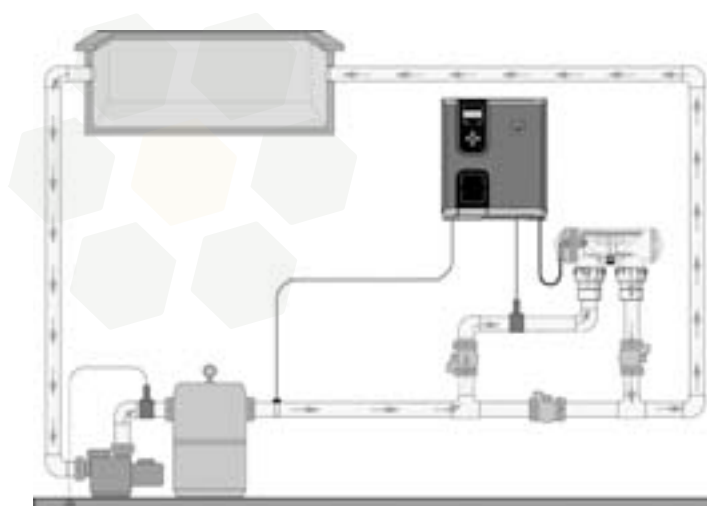| Model	eXO® iQ LS 10	eXO® iQ LS 18
Standard Model	WW000170	WW000171
User interface	4-line, backlit LCD screen	
Languages	11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW)	
App control	iAquaLink	
Operating modes	Normal, Boost (100 %); Low (Adjustable cover mode from 0 to 30 %)	
Equipement control	Filter pump (single 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)	

TECHNICAL SPECIFICATIONS

Model	eXO® iQ LS 10	eXO® iQ LS 18
Power supply	220-240 VAC / 50-60 Hz	
Working life of cells*	10 000 h (titanium plates, 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 °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.

INSTALLATION

▪ 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

ZODIAC®

SALT WATER CHLORINATORS

pH Link & Dual Link

ZODIAC®

+ **Fully integrated disinfection and dosing system**
+ **Automatic regulation**
+ **Accurate & easy reading (high quality glass sensor in a POD)**

2 YEAR WARRANTY

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

MagnaPool ECOSYSTEM

ACCESSORIES INCLUDED IN THE PACK

pH Sensor	ORP sensor	pH 4 and pH 7 buffer solutions x3	470 mV ORP buffer solutions x3	22 mm hole saw	Plumbing kit	POD Kit

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

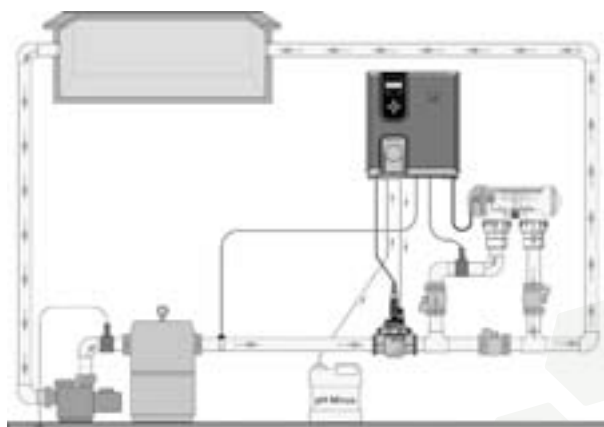| Model	pH Link	Dual Link
Sensor type pH or ORP	Combined sensor, simple-junction and simple-porous, Ø12 mm glass body	
Reading scale	0,0 -12,0 pH	100 - 1000 mV
Reading accuracy	0,1 pH	10 mV
Sensor Tolerances	0-60 °C, water speed $\leq$ 2 m/s	
Maximum counter pressure (injection point)	1,5 bar	
Peristaltic pH pump flow	1,2 L/h	
Cell 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)
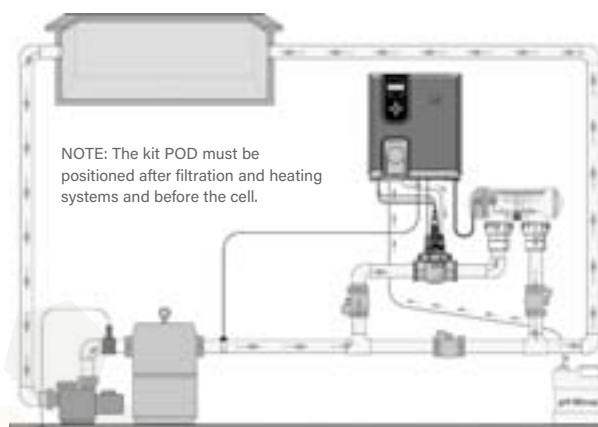
INSTALLATION

• 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:

NOTE: The kit POD must be positioned after filtration and heating systems and before the cell.

OPTIONAL ACCESSORIES

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

ZODIAC®

MagnaPool™
Mineral Pool Science

PATENTED MAGNESIUM WATER TREATMENT

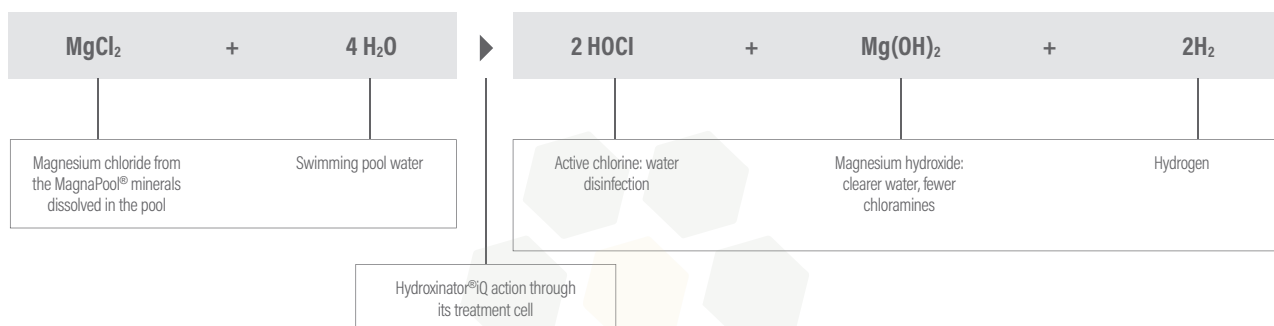## For incomparably gentle, crystal clear water

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.

$$MgCl_2 \quad + \quad 4\,H_2O \quad \blacktriangleright \quad 2\,HOCl \quad + \quad Mg(OH)_2 \quad + \quad 2H_2$$

| Magnesium chloride from the MagnaPool® minerals dissolved in the pool | Swimming pool water | Active chlorine: water disinfection | Magnesium hydroxide: clearer water, fewer chloramines | Hydrogen |

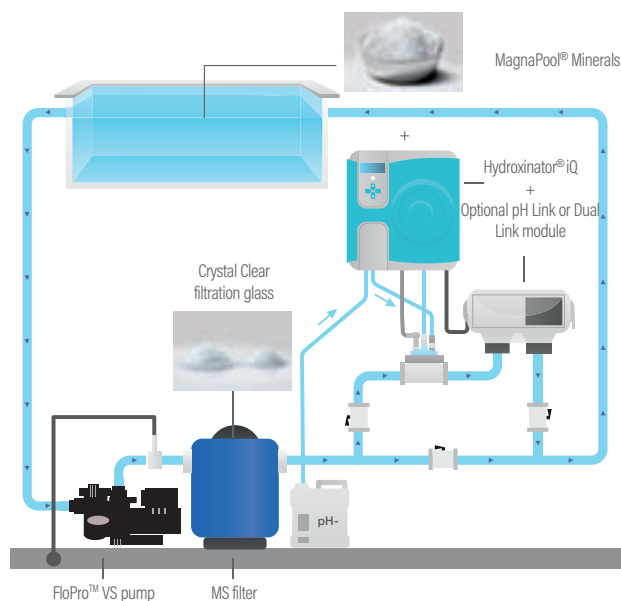Hydroxinator®iQ action through its treatment cell

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.

MagnaPool® Minerals

Hydroxinator® iQ
+
Optional pH Link or Dual Link module

Crystal Clear filtration glass

pH-

FloPro™ VS pump   MS filter

MagnaPool™
ECOSYSTEM

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.

Mg 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)

T0   Chlorination

— MagnaPool®   — Saltwater electrolysis + sand filter

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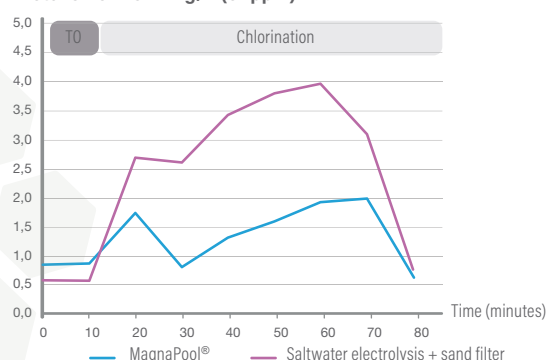
Zodiac laboratory measurement of chloramines (or combined chlorine) after adding organic matter to two pools at the same time, one treated with salt electrolysis + sand filter and the other with MagnaPool®.

ENVIRONMENTALLY-FRIENDLY WATER TREATMENT

ECO FRIENDLY

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) during filter backwash

| 540 | 2160 |
| MagnaPool® solution with Crystal Clear | Sand filter |
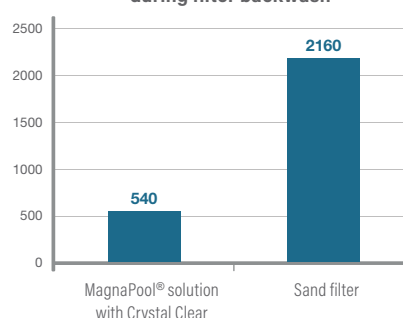
Value for a pool equipped with a 640 mm filter and a 1.0 HP (or 0.75 kW) pump.

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)**

3 YEAR WARRANTY
UNCONDITIONNAL WARRANTY UNCONDITIONNAL
PROFESSIONAL ADVICE RECOMMENDED

ALL TYPES OF SWIMMING POOLS
UPGRADABLE SYSTEM
iAquaLink CONTROL

Ti 22 TITANE INSIDE
MagnaPool ECOSYSTEM
WATER TEMP SENSOR

COVER MODE
Energy Efficient
Chemical Reduction

ACCESSORIES INCLUDED IN THE PACK

Wall mounting kit	Flow switch kit	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

DESCRIPTION

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-NL-PT-CZ-SL-HU-SW)			
App control	iAquaLink			
Operating modes	normal, Boost (100 %); Low (Adjustable cover mode from 0 to 30 %)			
pH Regulation	Yes, option (pH Link)			
ORP Regulation	Yes, option (Dual Link)			
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)			
Recommended minerals rate - minimum*	4 g/L - 3,3 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)			

* 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).

TECHNICAL SPECIFICATIONS

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 °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 12,0 cm			
Power Supply	220-240 VAC / 50-60 Hz			

INSTALLATION

- 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)

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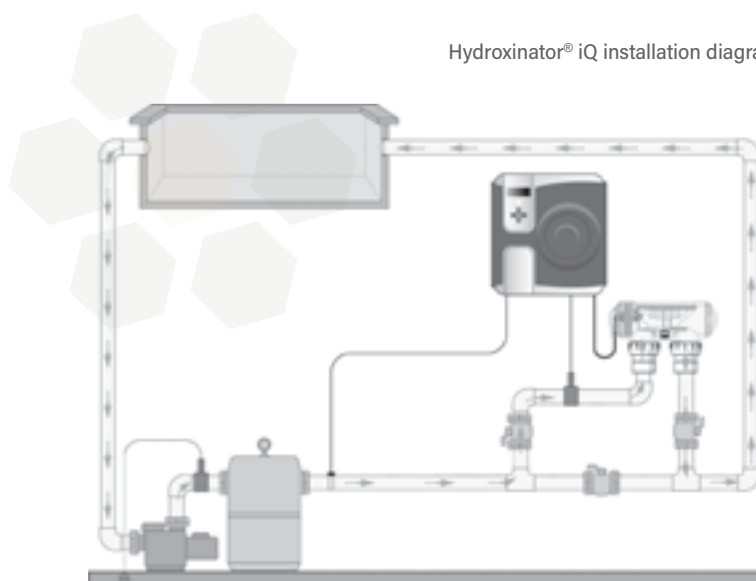
ASSOCIATED PRODUCTS		ASSOCIATED MINERALS		
pH Link Module	Dual Link Module	MagnaPool® Minerals	Crystal Clear 0.7/1.3 mm	Crystal Clear 1,0/3,0 mm
WW000176	WW000177	WC000163	WF000063	WF000064

MAGNAPOOL®

MagnaPool® Minerals

ZODIAC®

+ **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**

ALL TYPES OF SWIMMING POOLS

MagnaPool ECOSYSTEM

PROFESSIONAL ADVICE RECOMMENDED

ECO-FRIENDLY

Water Conservation

PRODUCT REFERENCES

Model	MagnaPool® Minerals
Standard Model	WC000163

DESCRIPTION

Model	MagnaPool® Minerals
Contents	Patented MagnaPool® minerals
Formulation	Magnesium chloride and potassium chloride
Form	Tablet/powder mixture
Dosage*	5 kg/m^3
Bag dimensions (l 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 model)	WF000063	WF000064

* Mineral levels are measured using the usual salinity testers. Add 5 x 10kg bags per 10 m^3 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**

ALL TYPES OF SWIMMING POOLS

FINE FILTRATION

PROFESSIONAL ADVICE RECOMMENDED

ECO-FRIENDLY

MagnaPool ECOSYSTEM

Water Conservation

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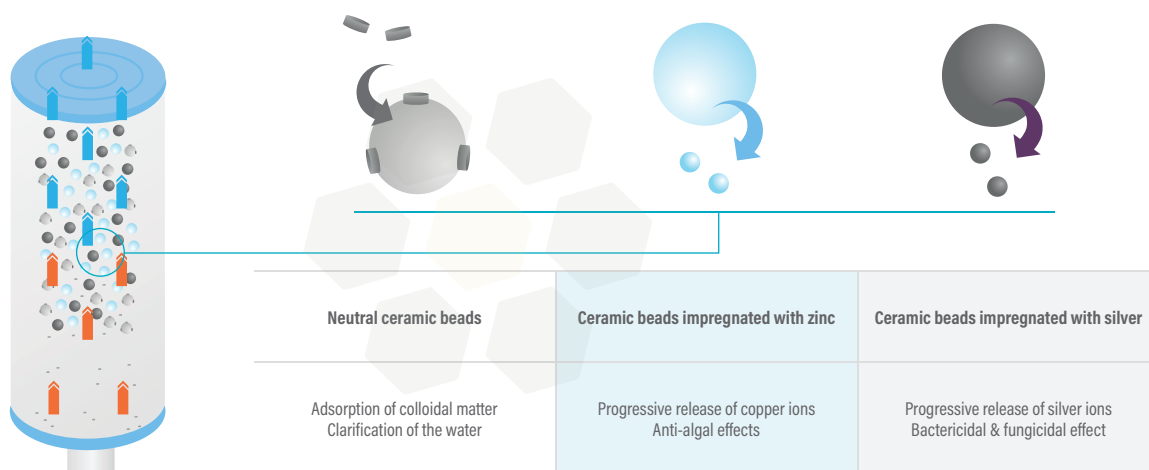
The ceramic beads retain micro-particles (colloidal matter) not stopped by the filter, to clarify the swimming pool water.

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).

OPERATION OF THE NATURE² SPA CARTRIDGE

Neutral ceramic beads	Ceramic beads impregnated with zinc	Ceramic beads impregnated with silver
Adsorption of colloidal matter Clarification of the water	Progressive release of copper ions Anti-algal effects	Progressive release of silver ions Bactericidal & fungicidal effect

> 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.

Nature² Spa

ZODIAC®

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

ACCESSORIES INCLUDED IN THE PACK

Positioning pins

ALL TYPES OF DE SPAS

EASY INSTALLATION

FOR WHICH POOL?

| Model	Nature² Spa Cartridge - 6-packs display
Volume of treated water (temperate climate)	0 - 4 m³

DESCRIPTION

Model	Nature² 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	Nature² 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	Nature² Spa Cartridge - 6-packs display
Water flow minimum / maximum	Adapted to all spa flow rates
Maximum operating temperature (water)	35 °C
Installation	Inside the spa cartridge filter
Cartridge weight	100 g
Minimum order quantity	1 x 6-pack display

INSTALLATION

▪ 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.
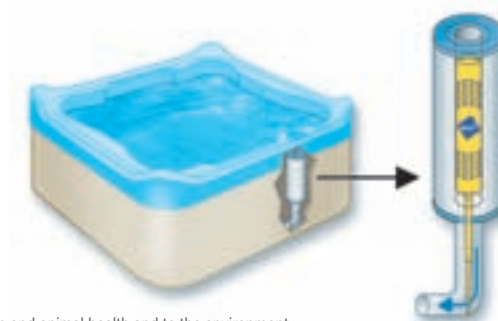
Before any use, ensure it is really needed, especially in places frequented by the general public.
Whenever possible, give preference to alternative methods and products presenting the lowest risk to human and animal health and to the environment.
Biocidal product : H400 / H410

WATER TREATMENT EQUIPMENT

ALBA
INTERNATIONAL (PVT) LTD.
Your Trustworthy Partner
www.alba.com.mv

COMMERCIAL SOLUTIONS

WATER TREATMENT EQUIPMENT

WATER
TREATMENT
EQUIPMENT

ASTRALPOOL

freepool²

Salt chlorinator + UV + CO₂

Freepool² disinfects the water thanks to the salt chlorinator and the UV and corrects pH levels by injecting CO₂ through the reactor

75% reduction
in the concentration of **oxidants** in the atmosphere, improving the quality of the atmosphere and reducing the smell of chlorine.

20% reduction
of **combined chloramines** in the water, reducing skin and eye irritation and respiratory complications.

100% reduction
in the addition of diluted **acids and chlorinated products**; completely avoids the need to add chlorinated products and acids.

66% reduction
in the consumption of new supplies of **water**, with savings in water and energy wherever it is installed.

FREEPOOL²

The benefits of Freepool have been backed up by two studies conducted by Universitat Autònoma de Barcelona and Hospital Universitari Clínic de Barcelona.

UAB
Universitat Autònoma de Barcelona

CLÍNIC
BARCELONA
Hospital Universitari

COMPATIBLE
NN thing ®
Fluidra Connect compatible

TRi

INTRODUCTION

Pools without chemical products that deliver unbeatable water and air quality

+ **Public pool water treatment and disinfection system.**
+ **Freepool² keeps the quality of water to the highest standards without the need to add chemical products.**
+ **Freepool² is a unique product that comes with three water treatment technologies that optimize disinfection and pH levels: a low-salinity salt chlorinator for disinfecting the water, low pressure UV for reducing combined chloramines and a CO_2 injection system for adjusting the pH.**

The main advantages of Freepool² are:

+ **Water quality. Studies carried out by Universidad Autónoma de Barcelona and Hospital Clínic de Barcelona revealed that swimmers' perception of a "perfectly clean" atmosphere increased significantly.**
+ **Safety. There is no need to store, handle or measure out chemicals and it is therefore a safer system.**

Technical features:

+ **Chlorine output of 180 g/h**
+ **Three 90 W UV lamps**
+ **CO_2 injector and pH control kit for dosing and absorption**

FREEPOOL²

ASTRALPOOL

It is essential to receive advice from Fluidra's technical department before installing the equipment.

AP PR-200 CONTROL UNIT

compatible with Freepool2

ASTRALPOOL

60361

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Recommended unit:				
AP PR-207 pH/Cl2 PPM	60361	1	-	-
AP PR-207 pH/Cl2 PPM + integrated TRI KIT	60361-KIT TRI	1	-	-

Clean water

Compensation tank

Filter

CO_2 → Freepool

WATER TREATMENT EQUIPMENT
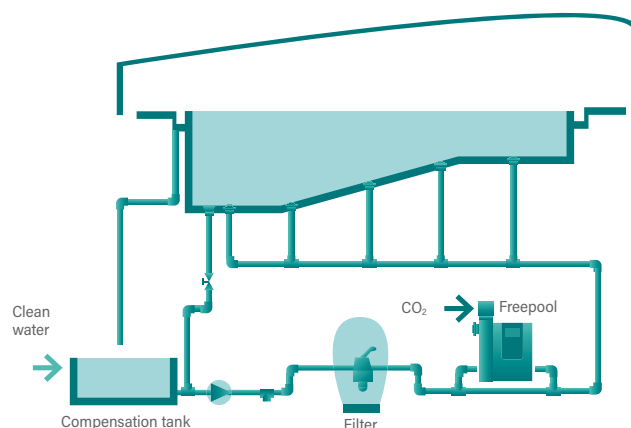
SALT ELECTROLYSIS AND PH/CL CONTROL

- Water chlorinators for commercial pools are becoming popular because they are efficient, practical, safe and well priced.
- Our wide range of industrial electrolysis systems covers self-cleaning equipment of up to 600 grams/hour of Chlorine, which makes it possible to use saline electrolysis to treat the water at any public use facility.

Main advantages:

- Safety: There is no need to store, handle or dose any chemical products and therefore it is a much safer system. The raw material stored is common salt.
- Savings: The introduction of saline electrolysis systems can bring net savings in operating costs of around 50-60%, with respect to traditional systems.
- Peristaltic pump not included.

TECHNICAL FEATURES

	Easy Salt	Easy Salt Next	Pro-Chlore Salt	Nature Salt
Self-cleaning electrodes	10,000 - 12,000 h	10,000 - 12,000 h	12,000 - 15,000 h	12,000 - 15,000 h
Salinity range	5–12 g/l (recommended 5–6 g/l)	5–12 g/l (recommended 5–6 g/l)	5–12 g/l (recommended 5–6 g/l)	1.5–3 g/l (recommended: 2–2.5 g/l) (*)
Production (g/h)	50 - 180	75 - 190	50 - 600	50 - 300

(*) Operating range 1.5–5 g/l depending on the temperature (28–35 °C) and nominal output (80–100%)

EASY SALT

SELF-CLEANING salt electrolysis system for public pool applications of up to 180 g chlorine/hour. Easy Salt is a compact and cost-competitive piece of equipment. To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).
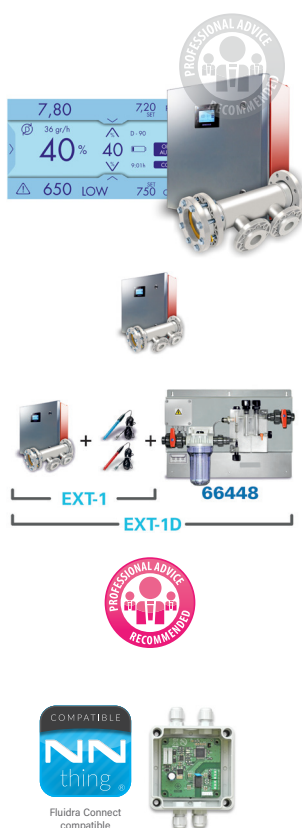
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Easy Salt 50	66151	1	30	0.29
Easy Salt 70	53799	1	70	0.29
Easy Salt 90	53801	1	80	0.29
Easy Salt 180	53803	1	90	0.29
External control option **(AP PR 60359-60361-60362, Control Connect 71537-8-9)**				
Easy Salt 50 + pH/ORP (EXT-1)	66153	1	30	0.29
Easy Salt 70 + pH/ORP (EXT-1)	53800	1	70	0.29
Easy Salt 90 + pH/ORP (EXT-1)	53802	1	80	0.29
Easy Salt 180 + pH/ORP (EXT-1)	53804	1	90	0.29
Optional sensor holder for EXT-1 **(EXT-1+66448 = EXT-1D)**	66448	1	-	-
Optional:				
Connection kit compatible with Fluidra Connect	60363	1	0.39	0.002

EASY SALT NEXT

ASTRALPOOL △

Easy Salt Next is the next generarion of salt electrolysis system for public pool applications of up to 190 g chlorine/hour. Easy Salt Next has a compact and cost-competitive equipment design. Made with high-pressure (polypropylene) cells equipped with Premium+ grade electrodes (up to 12.000 hours). The device includes a display LED screen to improve the user interface. Expandable functions with 200 controllers series.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Easy Salt Next 75	72663	1	25	0.29
Easy Salt Next 100	72665	1	25	0.29
Easy Salt Next 150	72667	1	35	0.29
Easy Salt Next 190	72669	1	35	0.29
Easy Salt Next 75 pH/ORP	72664	1	25	0.29
Easy Salt Next 100 pH/ORP	72666	1	25	0.29
Easy Salt Next 150 pH/ORP	72668	1	35	0.29
Easy Salt Next 190 pH/ORP	72670	1	35	0.29

COMPATIBLE
NN thing®

Fluidra Connect compatible

Valid for Easy Salt/Easy Salt Next and Pro-Chlore Salt and Nature Salt:

TECHNICAL FEATURES

	pH	**ORP**	**FREE CHLORINE***
Components supplied	H-035 sensor pH calibration solution (7.0/4.0)	RX-02 sensor ORP calibration solution (470 mV)	CL0102 sensor ID-CAL calibration card
	Two PE ½" sensor holder connectors (standard in all models); sensor holder panel with inductive flow rate detector; flow rate and pre-filter adjustment (built-in panel versions)		
pH control output	230 V / 50-60 Hz / 0.5 A max, ON/OFF		
Scale	0.00-9.99	0 - 999 mV	0.0 - 5.0 ppm
Control range	7.00 - 7.80	600 - 850 mV	0.25 - 3.5 ppm
Accuracy	0.01 pH	1 mV	0.1 ppm
Calibration	(pH) Automatic; two modes Fast: one-point calibration Standard: Two-point calibration	Automatic: one-point calibration	FREE CHLORINE: automatic (one-point using external DPD calibrator – not supplied)

*Not available for Easy Salt / Easy Salt Next.

PRO-CHLORE SALT

ASTRALPOOL △

Our Pro-Chlore Salt range includes EX electrodes that provide the highest level of durability in self-cleaning systems. The Pro-Chlore Salt range with its integrated EXTENSION options (EXT-1, EXT-1E, EXT-2) or external control options (AP PR200, Control Connect) includes a control and regulation system for ORP values (Redox) or ppm, as well as pH, allowing improved management of the equipment and an excellent water quality at all times. The Pro-Chlore range can be manufactured, on request, for seawater (Pro Chlore Salt AM Series). To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Pro-Chlore Salt A-50EX	35252	1	55	0.17
Pro-Chlore Salt A-80EX	35253	1	65	0.19
Pro-Chlore Salt A-120EX	35254	1	100	0.36
Pro-Chlore Salt A-180EX	35255	1	120	0.36
Pro-Chlore Salt A-300EX	35256	1	140	0.36
Pro-Chlore Salt A-600EX	35257	1	200	0.74

External control option
(AP PR 60359-60361-60362,
Control Connect 71537-8-9)
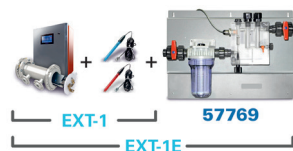
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Pro-Chlore Salt A-50EX + pH/ORP (EXT-1)	35258	1	55	0.17
Pro-Chlore Salt A-80EX + pH/ORP (EXT-1)	35259	1	65	0.19
Pro-Chlore Salt A-120EX + pH/ORP (EXT-1)	35260	1	100	0.36
Pro-Chlore Salt A-180EX + pH/ORP (EXT-1)	35261	1	120	0.36
Pro-Chlore Salt A-300EX + pH/ORP (EXT-1)	35262	1	140	0.36
Pro-Chlore Salt A-600EX + pH/ORP (EXT-1)	35263	1	200	0.74
Optional sensor holder for EXT-1 (EXT-1+57769=EXT-1E)	57769	1	-	-
Pro-Chlore Salt A-50EX + pH/PPM (EXT-2)	45836	1	60	0.17
Pro-Chlore Salt A-80EX + pH/PPM (EXT-2)	45837	1	70	0.19
Pro-Chlore Salt A-120EX + pH/PPM (EXT-2)	45838	1	105	0.36
Pro-Chlore Salt A-180EX + pH/PPM (EXT-2)	45839	1	125	0.36
Pro-Chlore Salt A-300EX + pH/PPM (EXT-2)	45840	1	145	0.36
Pro-Chlore Salt A-600EX + pH/PPM (EXT-2)	45841	1	205	0.74

EXT-1   57769
EXT-1E

EXT-2

Sensor holder included with EXT-2

Options for seawater (on request).
Example: 45836-AM.

AM

COMPATIBLE
NN thing®
Fluidra Connect compatible

Optional:

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Connection kit compatible with Fluidra Connect	60363	1	0.39	0.002

TECHNICAL FEATURES

	A-50	A-80	A-120	A-180	A-300	A-600
Power supply (AC)	230 V / 50 - 60 Hz			400 V / 50 - 60 Hz		
Power rating (AC)	1.5 A	2.4 A	3.9 A	2.2 A	3.6 A	7.2 A
Input (AC)	3 x 1.0 mm²	3 x 1.0 mm²	3 x 2.5 mm²	5 x 1.5 mm²	5 x 4 mm²	5 x 4.0 mm²
Output (DC)	2 x 10 mm²	2 x 25 mm²	2 x 35 mm²	2 x 70 mm²	2 x 120 mm²	3 x 240 mm²
Pipe connection	Female thread 1½"	Flanges D63 mm		Flanges D90 mm		
Fuse	5 AT (6 x 32 mm)	7 AT (6 x 32 mm)	10 AT (6 x 32 mm)	QM K10A	QM K20A	QM K25A
Outlet	10.5 V / 25 A	10.5 V / 40 A	11.2 V / 60 A	9 V / 90 A	9 V / 150 A	9 V / 300 A
Cooling	Natural			Fan		
Minimum flow rate	8 m³/h	14 m³/h	20 m³/h	30 m³/h	50 m³/h	100 m³/h
Number of plates per electrode	8	12	8	12	16	2 x 15

NATURE SALT

ASTRALPOOL △

Nature Salt is the most sustainable answer for the commercial pool, 2 g salt/litre operation. SELF-CLEANING industrial salt electrolysis system for public pool applications of up to 300 g chlorine/hour. High pressure cells (polypropylene) fitted with high quality electrodes. To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).
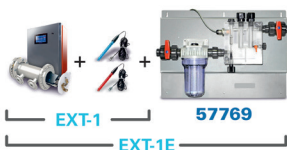
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Nature Salt 50EX/LS	53810	1	80	0.17
Nature Salt 80EX/LS	53811	1	90	0.19
Nature Salt 120EX/LS	53812	1	130	0.36
Nature Salt 180EX/LS	53813	1	145	0.36
Nature Salt 300EX/LS	53814	1	170	0.36
External control option (AP PR 60359-60361-60362, Control Connect 71537-8-9)				
Nature Salt 50EX/LS + pH/ORP (EXT-1)	53815	1	80	0.17
Nature Salt 80EX/LS + pH/ORP (EXT-1)	53816	1	90	0.19
Nature Salt 120EX/LS + pH/ORP (EXT-1)	53817	1	130	0.36
Nature Salt 180EX/LS + pH/ORP (EXT-1)	53818	1	145	0.36
Nature Salt 300EX/LS + pH/ORP (EXT-1)	53819	1	170	0.36
Optional sensor holder for EXT-1 (EXT-1+57769=EXT-1E)	57769	1	-	-
Nature Salt 50EX/LS + pH/PPM (EXT-2)	53820	1	85	0.36
Nature Salt 80EX/LS + pH/PPM (EXT-2)	53821	1	95	0.36
Nature Salt 120EX/LS + pH/PPM (EXT-2)	53822	1	135	0.36
Nature Salt 180EX/LS + pH/PPM (EXT-2)	53823	1	150	0.74
Nature Salt 300EX/LS + pH/PPM (EXT-2)	53824	1	175	0.74
Sensor holder included with EXT-2				
Optional:				
Connection kit compatible with Fluidra Connect	60363	1	0.39	0.002

EXT-1

57769

EXT-1E

EXT-2

Fluidra Connect compatible

SELF-CLEANING ELECTRODES

ASTRALPOOL △
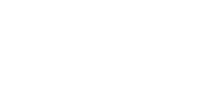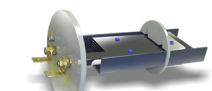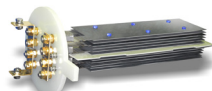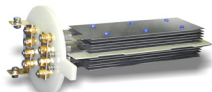
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Pro-Chlore Salt Series				
A-50EX/EXT-1/EXT-2	60634	1	-	-
A-80EX/EXT-1/EXT-2	60636	1	-	-
A-120EX/EXT-1/EXT-2	60676	1	-	-
A-180EX/EXT-1/EXT-2	60677	1	-	-
A-300EX/EXT-1/EXT-2	60678	1	-	-
A-600EX/EXT-1/EXT-2	60679	1	-	-
Nature Salt Series				
A-50EX/LS/EXT-1/EXT-2	60680	1	-	-
A-80EX/LS/EXT-1/EXT-2	60681	1	-	-
A-120EX/LS/EXT-1/EXT-2	60682	1	-	-
A-180EX/LS/EXT-1/EXT-2	60683	1	-	-
A-300EX/LS/EXT-1/EXT-2	60684	1	-	-
Easy Salt Series				
EASY SALT 50/EXT-1	68104	1	-	-
EASY SALT 70/EXT-1	60685	1	-	-
EASY SALT 90/EXT-1	60686	1	-	-
EASY SALT 180/EXT-1	60687	1	-	-
Easy Salt Next Series				
EASY SALT NEXT 75 PH/OPR	73339	1	-	-
EASY SALT NEXT 100 PH/ORP	73340	1	-	-
EASY SALT NEXT 150 PH/ORP	73341	1	-	-
EASY SALT NEXT 190 PH/ORP	73342	1	-	-

NEOLYSIS FOR COMMERCIAL POOLS

+ **Unbeatable water quality.**
+ **Dual disinfection based on UV and electrolysis.**

- **Neolysis, the most advanced water treatment by AstralPool:**
  + Sustainability + Innovation + Disinfection + Healthy.
- **Two options: low salinity of 2–3 g/l (Neo LS) and standard salinity of 6 g/l (Neo S).**
- **The ultimate in chloramine reduction capacity (UV LP + Electrolysis).**
- **Self-cleaning electrodes that last 12,000–15,000 hours (NeoLS and Neo S).**
- **LP HO UV lamp (13,000 hours)**
- **Patented process.**
- **To control more than one unit for the same pool you will need an AP PR-200 external control or Control Connect and the TRI multiple control kit (code 70338).**

EXT-1 + 57769 = EXT-1E

Sensor holder included in EXT-2

COMPATIBLE
NN thing®
Fluidra Connect compatible
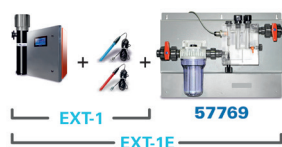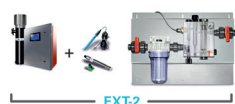
NEOLYSIS S (5-6 G/L) + UV

ASTRALPOOL △

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
AP NEO/S 50 Gr/h + UV 75 W	66142	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66143	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66144	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68120	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68123	1	-	-
External control option (AP PR 60359-60361-60362, Control Connect 71537-8-9)				
With pH/ORP (EXT-1)				
AP NEO/S 50 Gr/h + UV 75 W	66145	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66146	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66147	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68121	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68124	1	-	-
Optional sensor holder for EXT-1	57769	1	-	-
With pH/PPM (EXT-2)				
AP NEO/S 50 Gr/h + UV 75 W	66148	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	66149	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	66150	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	68122	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	68125	1	-	-
Optional:				
Connection kit compatible with Fluidra Connect (without lamp control)	60363	1	0.39	0.002

TECHNICAL FEATURES

AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Salt Electrolysis + UV
66142	66145	66148	50 gr Cl$_2$ /hr + 75 W UV
66143	66146	66149	80 gr Cl$_2$ /hr + 90 W UV
66144	66147	66150	120 gr Cl$_2$ /hr + 180 W UV
68120	68121	68122	180 gr Cl$_2$ /hr + 270 W UV
68123	68124	68125	300 gr Cl$_2$ /hr + 360 W UV

NEOLYSIS LS (1.5-2 G/L) + UV
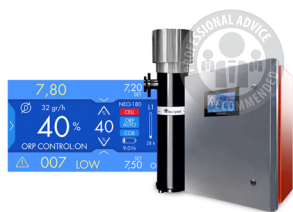
ASTRAL POOL △

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
AP NEO 50 Gr/h + UV 75 W	57753	1	-	-
AP NEO 80 Gr/h + UV 90 W	57761	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57762	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68117	1	-	-
External control option (AP PR 60359-60361-60362, Control Connect 71537-8-9)				
With pH/ORP (EXT-1)				
AP NEO 50 Gr/h + UV 75 W	57763	1	-	-
AP NEO 80 Gr/h + UV 90 W	57764	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57765	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68118	1	-	-
Optional sensor holder for EXT-1	57769	1	-	-
With pH/PPM (EXT-2)				
AP NEO 50 Gr/h + UV 75 W	57766	1	-	-
AP NEO 80 Gr/h + UV 90 W	57767	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	57768	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	68119	1	-	-
Optional:				
Connection kit compatible with Fluidra Connect (without lamp control)	60363	1	0.39	0.002

EXT-1 + 57769 = EXT-1E

Sensor holder included in EXT-2

COMPATIBLE
NN thing®

Fluidra Connect compatible

PROFESSIONAL ADVICE RECOMMENDED

TECHNICAL FEATURES			
AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Salt Electrolysis + UV
57753	57763	57766	50 gr Cl_2/hr + 75 W UV
57761	57764	57767	80 gr Cl_2/hr + 90 W UV
57762	57765	57768	120 gr Cl_2/hr + 180 W UV
68117	68118	68119	180 gr Cl_2/hr + 270 W UV

WATER TREATMENT EQUIPMENT

LS/S NEOLYSIS LAMPS

ASTRALPOOL △

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
75-W UV LP-20 lamp (Codes 57753, 57763, 57766, 66142, 66145, 66148)	60608	1	0.10	-
90-W UV LP-25 lamp (Codes 57761, 57764, 57767, 68117, 68118, 68119, 66143, 66146, 66149, 68120, 68121, 68122, 68123, 68124, 68125)	60609	1	0.10	-
Lamp replacement kit UV LP 2x90 W (Codes 57762, 57765, 57768, 66144, 66147, 66150)	60619	1	0.20	-
UV LP-20/25/30 quartz (lamps 75 W and 90 W)	60631	1	0.09	-

LS/S NEOLYSIS ELECTRODES

ASTRALPOOL △
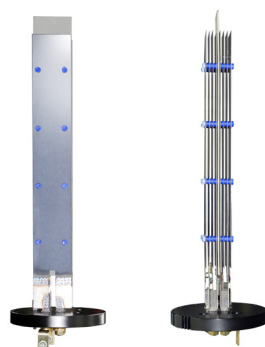
	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Neolysis LS				
50 gr/h - 75 W Neolysis LS electrode (Codes 57753, 57763, 57766)	61119	1	-	-
80 gr/h - 90 W Neolysis LS electrode (Codes 57761, 57764, 57767)	61120	1	-	-
120 gr/h - 2 x 90 W Neolysis LS electrode (Codes 57762, 57765, 57768)	61121	1	-	-
180 gr/h - 3 x 90 W Neolysis LS electrode (Codes 68117, 68118, 68119)	68126	1	-	-
Neolysis S				
50 gr/h - 75 W Neolysis S electrode (Codes 66142, 66145, 66148)	73550	1	-	-
80 gr/h - 90 W Neolysis S electrode (Codes 66143, 66146, 66149)	73551	1	-	-
120 gr/h - 2 x 90 W Neolysis S electrode (Codes 66144, 66147, 66150)	73552	1	-	-
180 gr/h - 3 x 90 W Neolysis S electrode (Codes 68120, 68121, 68122)	73553	1	-	-
300 gr/h - 4 x 90 W Neolysis S electrode (Codes 68123, 68124, 68125)	73554	1	-	-

HELIOX UV LP / MP

ASTRALPOOL

INTRODUCTION

+ AstralPool presents Heliox UV, an automatic UVC light system, which guarantees double disinfection through a significant reduction in the amount of chloramines (bound chlorine) along with the neutralisation of bacteria, viruses and other microorganisms present in water by impeding their reproduction.

+ The range comprises the Heliox UV LP and the Heliox UV MP models for public pools.

The advantages of UV-C technology:

+ UV ray treatment systems are completely automatic, with very low maintenance and running costs. They also have considerable advantages over other systems:

+ 100% of pool water is treated.

+ The disinfected water is free of unpleasant smells and does not irritate the eyes, thanks to a drastic reduction in the amount of chloramines.

+ They save money as fewer chemical products are required.

+ They are environmentally friendly because:

   + Less fresh water is needed (daily water renewal is reduced).

   + Fewer waste by-products are formed, resulting in a reduction in subsequent water treatment.

   + The UV-C equipment does not add any chemical products to the water.

Heliox-UV operation

+ UV-C disinfection is a local treatment (UV chamber), which takes place as the water in the pool circulates through the chamber that contains the UV-C lamps.

+ The accurate delivery of radiation (W UV-C) and residence time in the system ensure the effective neutralisation of 99.9% of microorganisms, as well as the reduction of chloramines to safe levels (<0.6 ppm).

WATER
TREATMENT
EQUIPMENT

AUTOMATIC UV DISINFECTION FOR COMMERCIAL POOLS

HELIOX UV MP

ASTRAL POOL

For sea water application, contact with AstralPool

- **Heliox UV MP (medium pressure) systems are designed to be used in public pools. These lamps operate over a wide spectrum to cover the whole of the UV region (see graph), which makes possible the effective eradication of chloramines (<0.6 ppm) in the pool water and its efficient disinfection due to the neutralisation of microorganisms (99.9%), including those resistant to chlorine treatment.**
- **More compact design (UV reactor in AISI-316).**
- **Adjustable to between 70 and 100% of rated power, in 1% increments, by means of a self-cooling electronic ballast.**
- **Fluidra technology (design and manufacturing).**
- **Calibrated UV-C radiation sensor (mW/cm²). Precise dose control. Instant power adjustment to process conditions. Saves energy and extends the lamp's lifetime.**
- **Advanced colour touch screen. System menu for browsing process parameters and log files.**

Advanced versions:

- **Embedded web.**
- **The control architecture used in Heliox UV PM systems has a number of features that make them reliable, energy-efficient and scalable to the highest possible level.**
- **The Heliox UV MP systems use two parameters for adjusting the power setting: average radiation and flow. All models have a rated radiation profile that ensures a dose of 60mJ/cm². If the flow is lower than the rated value, the same will apply to the required radiation level and the system reduces the power input, thus optimising power consumption and the lamp's lifetime. Likewise, if radiation drops due to losses caused by cloudy water, scaling or lamp emission efficiency, the system will adjust the power so that the right dose is supplied.**
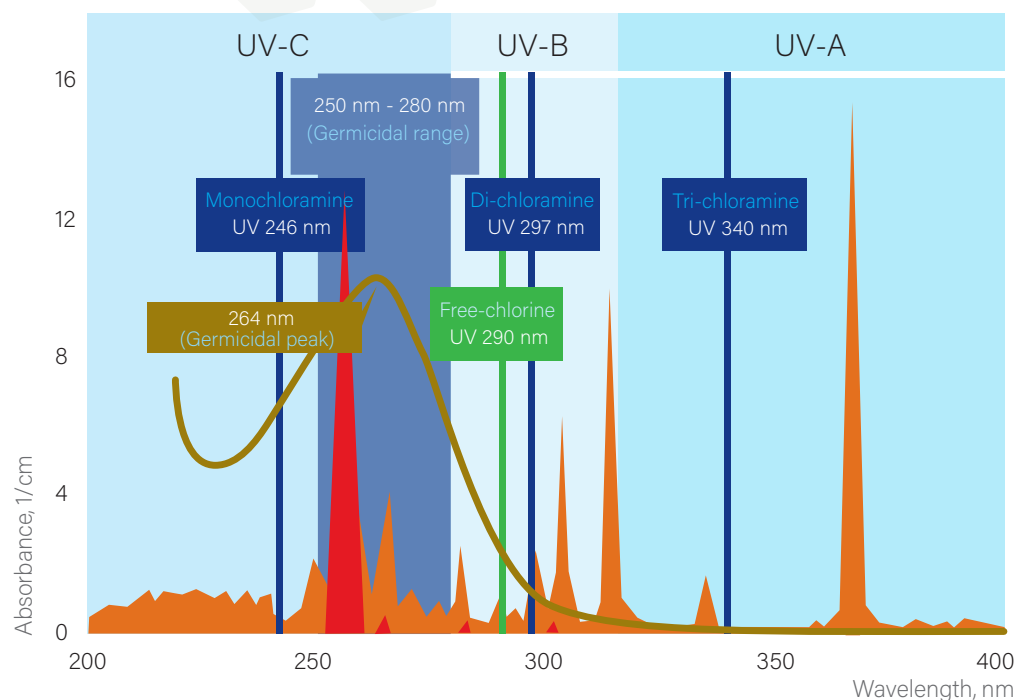
Legend:
- Medium presure Heliox lamp spectral power distribution
- Low presure Heliox lamp spectral power distribution
- DNA absorption (Germicidal curve)
- Absorption range
- Free chlorine absorption range

AUTOMATIC UV DISINFECTION FOR COMMERCIAL POOLS

HELIOX UV MP

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Heliox UV MP 50	52200	1	-	-
Heliox UV MP 80	52201	1	-	-
Heliox UV MP 140	52202	1	-	-
Heliox UV MP 300	52203	1	-	-
Heliox UV MP 450	52204	1	-	-
Heliox UV MP 675	52205	1	-	-
Heliox UV MP Auto Wiper				
Heliox UV MP 50 W	58808	1	-	-
Heliox UV MP 80 W	58809	1	-	-
Heliox UV MP 140 W	58698	1	-	-
Heliox UV MP 300 W	58810	1	-	-
Heliox UV MP 450 W	58699	1	-	-
Heliox UV MP 675 W	58811	1	-	-
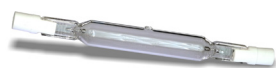
HELIOX UV MP LAMPS

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Lamp UV MP 50/80 (Codes 52200, 52201, 58808, 58809)	60638	1	0.125	-
Lamp UV MP 140 (Codes 52202, 58698)	60639	1	0.255	-
Lamp UV MP 300/450/675 (Codes 52203, 52204, 52205, 58810, 58699, 58811)	60642	1	0.275	-
Quartz tube case MP 50/80/140	60643	1	0.050	-
Quartz tube case MP 300/450/675	60644	1	0.050	-

HELIOX UV LP

ASTRALPOOL

+ UV LP Stainless Steel and UV LP PE (LP = low pressure) systems are designed to be used in public pools. They act at a wavelength of 254 nm, which is ideal for eliminating microorganisms. They will enable you to benefit from the latest ultraviolet light technology in the field of water treatment.

New Features of LP S.S. & LP PE:

+ **Stainless steel and polyethylene versions.**
+ **Multi-lamp version.**
+ **Fluidra technology (design and manufacturing).**
+ **Lamp "ON" indicator.**
+ **Electronic counter for working time and ignitions (lamp lifetime control).**
+ **Flow switch included as standard.**

HELIOX UV LP S.S. (Stainless Steel)

ASTRALPOOL

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
I45 S.S. 270 W / 90 W (UVC)	60344	1	-	-
I65 S.S. 360 W / 120 W (UVC)	60345	1	-	-
I85 S.S. 450 W / 150 W (UVC)	60346	1	-	-
I95 S.S. 540 W / 180 W (UVC)	60347	1	-	-

AUTOMATIC UV DISINFECTION FOR COMMERCIAL POOLS

HELIOX UV LP PE (PolyEthylene)

ASTRALPOOL △

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
P20EX PE 90 W / 30 W (UVC)	63138	1	-	-
P25EX PE 180 W / 60 W (UVC)	63139	1	-	-
P30EX PE 270 W / 90 W (UVC)	63140	1	-	-
P35 PE 270 W / 90 W (UVC)	60348	1	-	-
P45 PE 360 W / 120 W (UVC)	60349	1	-	-
P60 PE 450 W / 150 W (UVC)	60354	1	-	-
P70 PE 540 W / 180 W (UVC)	60358	1	-	-
P95 PE 680 W / 204 W (UVC)	63135	1	-	-
P140 PE 1020 W / 306 W (UVC)	63136	1	-	-
P180 PE 1360 W / 408 W (UVC)	64347	1	-	-
P220 PE 1700 W / 510 W (UVC)	64348	1	-	-
P260 PE 2040 W / 612 W (UVC)	64349	1	-	-
P300 PE 2380 W / 714 W (UVC)	63137	1	-	-

TECHNICAL FEATURES

Material	Code	Model	Flow rate (35 mJ/cm²) Freshwater	Flow rate (35 mJ/cm²) Seawater	Flow rate (60 mJ/cm²) Freshwater	No. Lamps	Rated / UV-C power	Total height	Ø reactor
Stainless steel	60344	UV LP 45	45 m³/h	-	30 m³/h	3X90 w	90 UV-C (W)	1092	204
Stainless steel	60345	UV LP 65	65 m³/h	-	40 m³/h	4X90 w	120 UV-C (W)	1092	204
Stainless steel	60346	UV LP 85	85 m³/h	-	45 m³/h	5X90 w	150 UV-C (W)	1092	204
Stainless steel	60347	UV LP 95	95 m³/h	-	55 m³/h	6X90 w	180 UV-C (W)	1092	204
PE	60348	UV LP P35	35 m³/h	20 m³/h	20 m³/h	3X90 w	90 UV-C (W)	1020	250
PE	60349	UV LP P45	45 m³/h	25 m³/h	25 m³/h	4X90 w	120 UV-C (W)	1020	250
PE	60354	UV LP P60	60 m³/h	30 m³/h	35 m³/h	5X90 w	150 UV-C (W)	1020	250
PE	60358	UV LP P70	70 m³/h	35 m³/h	40 m³/h	6X90 w	180 UV-C (W)	1020	250
PE	63138	UV LP 20 EX	12 m³/h	7 m³/h	7 m³/h	1X90 w	30 UV-C (W)	950	200
PE	63139	UV LP 25 EX	20 m³/h	13 m³/h	13 m³/h	2X90 w	60 UV-C (W)	950	200
PE	63140	UV LP 30 EX	30 m³/h	19 m³/h	18 m³/h	3X90 w	90 UV-C (W)	950	200
PE	63135	UV LP P95	130 m³/h	61 m³/h	76 m³/h	2X340 w	204 UV-C (W)	1319	315
PE	63136	UV LP P140	193 m³/h	91 m³/h	112 m³/h	3X340 w	306 UV-C (W)	1319	315
PE	64347	UV LP P180	253 m³/h	120 m³/h	148 m³/h	4X340 w	408 UV-C (W)	1319	315
PE	64348	UV LP P220	312 m³/h	149 m³/h	182 m³/h	5X340 w	510 UV-C (W)	1319	315
PE	64349	UV LP P260	369 m³/h	177 m³/h	215 m³/h	6X340 w	612 UV-C (W)	1319	315
PE	63137	UV LP P300	432 m³/h	209 m³/h	252 m³/h	7X340 w	714 UV-C (W)	1319	315

HELIOX UV LP LAMPS

ASTRALPOOL △

|	Code	Standard Pack	Standard weight in kg	Standard volume in m³
90-W UV LP-25 lamp (Codes 60344, 60345, 60346, 60347, 63138, 63139, 63140, 60348, 60349, 60354, 60358)	60609	1	-	-
UV LP-20/25/30 quartz (Codes 60344, 60345, 60346, 60347, 63138, 63139, 63140, 60348, 60349, 60354, 60358)	60631	1	-	-
340 W UV LP lamp (Codes 63135, 63136, 64347, 64348, 64349, 63137)	66062	1	-	-
UV LP 1100MM quartz (Codes 63135, 63136, 64347, 64348, 64349, 63137)	66063	1	-	-

ACQUA DOS dosing pumps

With only 3 sizes Acqua Dos dosing pumps cover a wide range of performances, having a flow rate range from 4 to 110 l/h and a back pressure up to 16 bar. The power supply is 100 ÷ 240 Vac – 50/60 Hz therefore the same pump can operate with different supply voltage.

The pump head is in PVDF and with ceramic ball valve, giving it high chemical compatibility with several liquids, long life PTFE diaphragm.

Acqua Dos series are equipped with a manually priming pump for the start up.

The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction tube, PE delivery tube, wall and base fixing bracket.

Installation kit included.
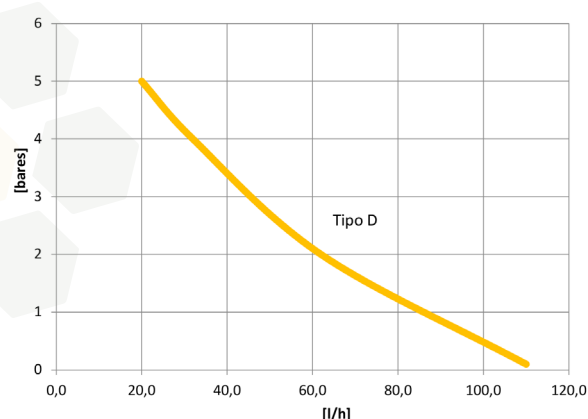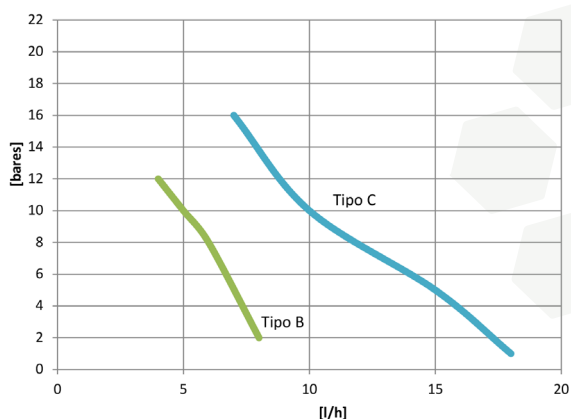
ACQUA DOS MANUAL ANALOG

Acqua Dos series analogic dosing pumps with constant flow rate are manually adjustable by a knob mounted on the front panel.

The flow rate has two frequency ranges:

• 0÷20 % of max flow rate
• 0÷100% of max flow rate
Input for minimum chemical level control (not included).

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Manual analog	5 l/h – 10 bar	75088	1	-	-
Manual analog	10 l/h – 10 bar	75089	1	-	-
Manual analog	32 l/h – 4 bar	75090	1	-	-

ACQUA DOS MANUAL DIGITAL

AstralPool

Acqua Dos series digital dosing pumps with constant flow rate can be adjusted manually by means of a keypad mounted on the front panel, visualizing on the display the dosed flow rate in pulses/minute.

Input for minimum chemical level control (not included).

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Manual digital	5 l/h – 10 bar	75091	1	-	-
Manual digital	10 l/h – 10 bar	75092	1	-	-
Manual digital	32 l/h – 4 bar	75093	1	-	-

ACQUA DOS PROPORTIONAL

AstralPool

Acqua Dos series proportional digital dosing pumps work at a constant flow rate and can be adjusted manually by means of a keypad mounted on the front panel, displaying the dosed flow rate in pulses/minute.

Working modes:

• Manual
• According to an external analogic (4-20 mA)
• According to a digital signal (water meter, 1:n or n:1)
• Minimum chemical level input (not included)

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Proportional	5 l/h – 10 bar	75083	1	-	-
Proportional	10 l/h – 10 bar	75085	1	-	-
Proportional	32 l/h – 4 bar	75087	1	-	-

ACQUA DOS PH / ORP

AstralPool

The Acqua Dos series digital dosing pump has a built-in pH/Redox control meter and is also compatible with the Fluidra Connect remote management system.

Other features are:

• Constant or proportional dosing according the measured pH or Redox value
• PT100 probe input for thermal compensation
• Repetition alarm relay
• Input On-Off for remote control
• 4÷20 mA output for measure transmission
• Minimum chemical level input (not included)
• Electrode not included

COMPATIBLE
NN thing®
Fluidra Connect compatible

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
pH / ORP	5 l/h – 10 bar	75078	1	-	-
PH / ORP	10 l/h – 10 bar	75080	1	-	-
PH / ORP	32 l/h – 4 bar	75082	1	-	-

COMPLETE PH SENSOR KIT

ASTRALPOOL

Includes: 6 meters pH sensor, buffer solutions sensor holder, PVC bracket and level sensor.

Code	Standard Pack	Standard weight in kg	Standard volume in m³
76209	1	-	-

COMPLETE REDOX SENSOR KIT

ASTRALPOOL

Includes: 6 meters gold ORP sensor, buffer solution sensor holder, PVC bracket and level sensor.

Code	Standard Pack	Standard weight in kg	Standard volume in m³
76210	1	-	-

SENSOR LEVEL

ASTRALPOOL

Sensor level for Acqua Dos and Optima dosing pumps.

Code	Standard Pack	Standard weight in kg	Standard volume in m³
51454	1	-	-

EXACTUS MEMBRANE

dosing pumps

ASTRALPOOL

All systems comply with EC regulations. IP-65 protection. Electrical connection: 220/240 V 50/60 Hz. Materials in contact with the liquid: Polypropylene, Viton, Teflon and PVC. Other valve models in different materials available on request. Includes anti-acid plastic housing. Touch sensitive moisture resistant indicator. Drainage valve included. Lubrication-free, minimal maintenance. On request, the unit can be supplied with outlet, level sensor or other operating voltages.

Available materials:

Pump head: PP, and available in PVDF and PTFE to order

Diaphragm: PTFE

Valves: FPM lip valve (Viton) and other elastomers such as EPDM (Dutral), NBR (nitrile) and silicone available to order. Ceramic ball valves available.

Connections: 4 x 6 mm

Installation kit included with all pumps: full suction filter (PP-FPM by Viton), injection valve (PP-FPM by Viton), suction/return piping 2 m + 2 m PVC, 2-m PE distribution hose.

EXACTUS PUMP PERFORMANCE CURVE
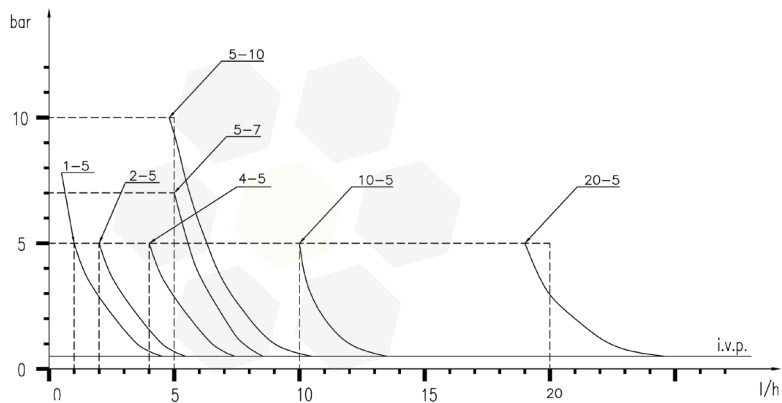
EXACTUS MANUAL ANALOG

ASTRALPOOL

Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate. Regulation range: 0-100% and 0-20%. Acid resistant plastic housing.

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Manual Analog	2 l/h - 5 bar	57153	1	4	0.005
Manual Analog	2 l/h - 10 bar	57154	1	4	0.005
Manual Analog	5 l/h - 7 bar	57155	1	4	0.005
Manual Analog	5 l/h - 10 bar	57156	1	4	0.005
Manual Analog	10 l/h - 5 bar	57157	1	4	0.005
Manual Analog	20 l/h - 5 bar	57158	1	4	0.005

EXACTUS MANUAL DIGITAL

ASTRAL**POOL**

Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate with digital control for injection frequency. 3 digit display. Regulation range: 0-100%, with a scale of 1%. Product ready to incorporate level sensor (not included). Acid resistant plastic housing.

		Code	Standard Pack	Standard weight in kg	Standard volume in m³
Manual Digital	2 l/h - 5 bar	57159	1	4	0.005
Manual Digital	5 l/h - 7 bar	57160	1	4	0.005
Manual Digital	5 l/h - 10 bar	57161	1	4	0.005
Manual Digital	10 l/h - 5 bar	57162	1	4	0.005
Manual Digital	20 l/h - 5 bar	57163	1	4	0.005

EXACTUS PROPORTIONAL

ASTRAL**POOL**

Proportional pump controlled by the mA signal. The pump may be connected to a transmitter/indicator instrument or to another device that feeds in an intensity-modulated signal of 0 to 20mA. The frequency drive of the pump will be proportional to the mA signal received, i.e. the higher the signal, the greater the pump flow rate. The pump can be set to work in reverse mode, i.e. the higher the signal, the lower the flow rate. This model can be adapted for other mA rates (0-20mA, 4-20mA, 20-4mA). Product can incorporate a level sensor (sold separately).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Proportional (4-20mA) 5 l/h - 7 bar	57164	1	4	0.005
Proportional (4-20mA) 5 l/h - 10 bar	57165	1	4	0.005
Proportional (4-20mA) 10 l/h - 5 bar	57166	1	4	0.005
Proportional (4-20mA) 20 l/h - 5 bar	57167	1	4	0.005

EXACTUS PH / RX

ASTRAL**POOL**

Backlit LCD screen, ON / OFF or proportional operating modes, 0 ÷ 14 pH; -1000 ÷ 1400 mV, pH, RX (ORP) electrode inlet (10 Tera Ohm) (electrode not included), screen resolution: 0.01 pH; ± 1mV. Product can include a level sensor (not included).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
pH / Rx 5 l/h - 7 bar	57892	1	4	0.005
pH / Rx 5 l/h - 10 bar	57893	1	4	0.005
pH / Rx 10 l/h - 5 bar	57894	1	4	0.005

EXACTUS VOLUMETRIC VFT

ASTRAL**POOL**

Electronic dosing pump for mounting on base or wall. Proportional volumetric dosing pump that works from signals received from a flow meter. Can be operated in manual or automatic mode depending on the signals received. Product can incorporate a level sensor (sold separately)

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Volumetric VFT 5 l/h - 7 bar	57174	1	4	0.005
Volumetric VFT 5 l/h - 10 bar	57175	1	4	0.005
Volumetric VFT 10 l/h - 5 bar	57176	1	4	0.005
Volumetric VFT 20 l/h - 5 bar	57177	1	4	0.005

DOSING PUMPS FOR COMMERCIAL POOLS

PH SENSOR

ASTRALPOOL

5-metre pH sensor with plastic BNC connector.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	21538	1	0.2	0.001

RX SENSOR

ASTRALPOOL

5-metre RX sensor with plastic BNC connector.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	21539	1	0.3	0.001

PH SENSOR KIT

ASTRALPOOL

Includes pH sensor, buffer solutions, sensor holder, level sensor. For Exactus.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	56122	1	-	-

RX SENSOR KIT

ASTRALPOOL

Includes RX sensor, buffer solutions, sensor holder, level sensor. For Exactus.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	56124	1	-	-

CL SENSOR

ASTRALPOOL

For CL Exactus model.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	45896	1	-	-

SENSOR HOLDER FOR CHAMBER

ASTRALPOOL

Code	Standard Pack	Standard weight in kg	Standard volume in m³
01305	1	0.3	0.001

SENSOR HOLDER (PRESSURE)

ASTRALPOOL

For working with pressure.

Code	Standard Pack	Standard weight in kg	Standard volume in m³
01306	1	0.3	0.001

OPTIMA DOSING PUMPS

ASTRALPOOL

+ **The OPTIMA dosing pump represents the development of more than 30 years of experience in the automatic dosing field.**
+ **This series reduces the number of pumps required to meet the various dosing needs.**
+ **The OPTIMA dosing pump series, with its power supply technology from 90, VCA to 265 VCA and at 50-60 Hz, ensures a precision and reliability never seen before.**
+ **Integration of many functions due to its simple programming, an alphanumeric display, the possibility of multilingual programming of the menu and a technology which permit controlled flow rate and back pressure.**
+ **Allows to use the same model for various applications providing a great versatility.**
+ **Systems manufactured in compliance with EC standards.**
+ **IP5 protection. 90-265V AC 50/60 Hz power supply.**
+ **Components in contact with chemicals are made of polypropylene, Viton, Teflon and PVC. (Other materials are available if made to order.)**
+ **Acid-resistant casing.**
+ **Moisture-resistant membrane push buttons.**
+ **Built-in purge valve.**
+ **No lubrication and little maintenance work required.**
+ **Sensors and calibration solutions not included.**
+ **Also available with a peristaltic pump (see page 234).**
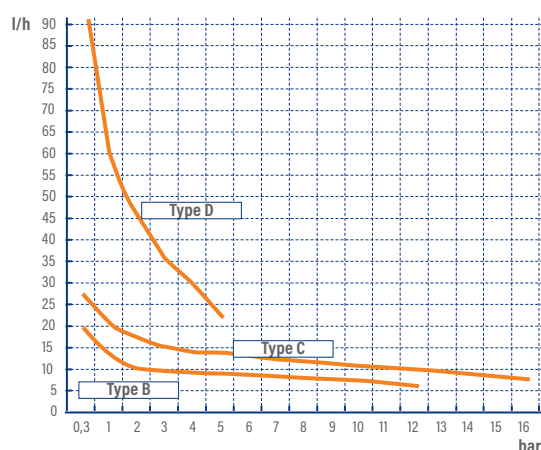
Sensors			
pH sensor with calibration solutions (Code: 36004)	▪		▪
Redox sensor with calibration solutions (Code: 36005)		▪	▪

OPTIMA CONSTANT FLOW RATE

ASTRALPOOL

In OPTIMA constant flow rate analogue dosing pumps, the flow rate can be set as a percentage using the potentiometer under the front panel, which modifies the pump's operation frequency.

The pumps in this range have an level inlet sensor.

Double scale adjustment: the maximum dosing frequency can be divided into 5. This double scale allows users to have two pumps with a single unit.

Power supply from 90 to 230 VCA at 50-60 Hz with plug and switch

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Adjustable manual Optima pump				
B-type pump of 5-10 bar and 2-5 l/h	57132	1	3.5	0.01
C-type pump of 5 bar and 10 l/h	57133	1	4.5	0.01
D-type pump of 5 bar and 120 l/h	57135	1	4.5	0.01

OPTIMA NEXT CONSTANT FLOW RATE

ASTRALPOOL

The flow rate is fully adjustable from the flow meter. Power supply from 90 to 230 VCA at 50-60 Hz without plug.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Adjustable Optima manual pump at 8 bar and 5 l/h	66164	1	-	-

OPTIMA PROPORTIONAL

and volumetric

ASTRALPOOL

OPTIMA pumps provide all the functions of proportional dosing in a single model.

Features:

- Proportional with analogue signals 4 - 20 mA.
- Proportional with digital signals and the possibility of:
- Multiplying the input impulses (1:n)
- Dividing the input impulses (n:1)
- Function in ppm
- The pump has a memory function for processing input impulses dosing
- Level alarm with pump disconnection.
- Maximum dosing flow rate to prevent overdosing.
- Password for protecting programmed data
- Possibility of alarm connection
- Power supply from 90 to 265 VCA at 50-60 Hz with plug

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Type B Model 7-10 bar and 5 litres	57136	1	3.5	0.01
Type C Model 5 bar and 10 litres	57137	1	4.5	0.01
Type D Model 5 bar and 20 litres	57138	1	4.5	0.01

OPTIMA NEXT PROPORTIONAL

and volumetric

ASTRALPOOL

OPTIMA pumps provide all the functions of proportional dosing in a single model.

Features:

• Proportional with analogue signals 4 - 20 mA.
• Reading of pulses/minute.
• Chemical product minimum level inlet.
• Pulse entry for dosing proportional from pulse emitter counter.
• Remote start/stop.
• Power supply from 90 to 265 VCA at 50-60 Hz without plug.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Model 8 bar and 5 litres	66165	1	-	-

OPTIMA PH / REDOX

ASTRALPOOL

OPTIMA dosing pump with built-in pH/Redox control. pH/Redox instrument.

Automatic calibration: Calibration by simply pressing a button, with the possibility of controlling the level of sensor efficiency.

Features:

• 90-265 VAC 50/60 Hz power supply
• Manual temperature compensation for pH or optionally automatic via Pt100.
• 4-20mA output for printed register or transmission of the reading.
• Level alarm with pump disconnection or simple warning of lack of product by means of the alarm relay.
• Alarm notifying deactivation of the programmable setpoint across whole of the measurement range.
• Dosing delay time to stop the dosing pump from injecting product in event of sensor malfunction.
• Maximum dosing pump flow rate for preventing overdosing.
• Password for protecting programmed data.
• Possibility of alarm connection.

COMPATIBLE
NN thing ®
Fluidra Connect compatible

Sensor not included
(see sensors on page 231)
Sensor holder not included
(code 01306)

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Type C Optima Redox/pH control dosing pump (10 bar and 5 l/h and 5 bar and 10 l/h)	66179	1	4.5	0.01
Optional:				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-

DOSING PUMPS FOR COMMERCIAL POOLS

OPTIMA NEXT PH / REDOX

ASTRALPOOL △

OPTIMA dosing pump with built-in pH/Redox control instrument.

Automatic calibration by simply pressing a button, with the possibility of controlling the degree of sensor efficiency.

Features:

• Power supply from 90 to 265 VCA at 50-60 Hz without plug
• Manual temperature adjustment for pH or optional automatic adjustment with PT100 (sensor not included).
• Level control input.
• Remote off control.

Sensor not included
(see sensors on page 231)
Sensor holder not included
(code 01306)

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Optima Next dosing pump redox control/pH control at 8 bar and 5 l/h	66166	1	-	-

OPTIMA BRACKET for mounting above tank

ASTRALPOOL △

Optional bracket for mounting the OPTIMA series and pH Basic Plus in a horizontal position, for example on top of a chemical products tank.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	36830	1	0.1	0.002

PERISTALTIC DOSING PUMPS

ASTRALPOOL △

90/260V 50/60 Hz electrical connection.

The installation kit includes:

• Transparent glass-type flexible 2-m PVC suction pipe.
• Semi-rigid white polyethylene 2-m return pipe.
• 3/8" BSP m. injection valve.
• Pool floor filter.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Peristaltic pump 4 l/h (3 bar)	57179	1	-	-
Peristaltic pump 12 l/h (1 bar)	57178	1	-	-

POLYETHYLENE CYLINDRICAL TANKS

ASTRALPOOL △

To hold chemicals for dosage pumps.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Capacity: 125 l	01314	1	4.5	0.120
Capacity: 250 l	01315	1	10.0	0.390
Capacity: 350 l	01316	1	14.0	0.510
Capacity: 500 l	01317	1	21.5	0.760
Capacity: 1000 l	28831	1	-	-

DOSING PUMPS FOR COMMERCIAL POOLS

MANUAL STIRRER

ASTRALPOOL △

For Polyethylene tanks.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Length 60 cm	01318	1	0.5	0.010
Length 90 cm	01319	1	1.2	0.020

CONTINUOUS FLOCCULATION SYSTEM

FLOC SYSTEM

ASTRALPOOL △

Automation flocculant dosing adjustable flow water pools. Includes: adjustable pump from 151 cm³/h until 1.5 l/h, injector valve, bottom filter, suction and return tube.

Code	Standard Pack	Standard weight in kg	Standard volume in m³
54528	1	1	0.0044

WATER METERS

WOLTMAN TYPE TURBINE METERS

ASTRALPOOL △

Axial turbine meter, Woltmann type, direct reading on numbered rollers. Dry dial counter, with magnetic drive. Clockwork and easily removable turbine.

Pre-equipment of pulse transmitter with plug and play system, with non-configurable pulse emitter. Meters between DN50 and DN125: 1 pulse each 100 liters and between DN150 and DN200: 1 pulse every 1000 litres. Ask for other configuration.

• No need for rectilinear sections, neither at the entrance nor at the exit of the meter. U0-D0.
• High precision in the measurement Metrology R160 horizontal position and vertical R100.
• Vacuum sealed dial(IP68).
• Cold water use 0,1 - 30°C.
• The Predator water meter can reach up to 16 bar.
• Potable water and irrigation type certificate.
• Easy installation of the pulse emitter.
• Pulse transmitter cable not included (code 71721)..

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
	71714	1	-	-
	71715	1	-	-
	71716	1	-	-
	71717	1	-	-
	71718	1	-	-
	71719	1	-	-
	71720	1	-	-
	71721	1	-	-

AUTOMATIC REGULATION AND CONTROL EQUIPMENT

60359

60361

60362

COMPATIBLE
NN thing ®

TRi

Fluidra Connect
compatible

PROFESSIONAL ADVICE
RECOMMENDED

AP PR-200

Compatible with water electrolysis

ASTRALPOOL △

The expert's choice for dosing control. The built-in panels based on Series AP PR controllers provide the best solution for the plug & play devices pre-assembled on the panel. There are several versions for the control of the water's pH, ORP and FREE CHLORINE levels.

AP PR-200 equipment is compatible with the Easy Salt, Easy Salt Next, ProChlore Salt, Nature Salt and Neolysis ranges.

This is also the recommended solution for experts whenever several chlorination systems must be controlled at the same time from a single control and regulation panel (multiple control through the KIT TRI).

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
AP PR-206 pH/ORP	60359	1	-	-
AP PR-207 pH/Cl2 PPM	60361	1	-	-
AP PR-204 Cl2 PPM	60362	1	-	-
With integrated TRI KIT				
AP PR-206 pH/ORP	60359-KIT TRI	1	-	-
AP PR-207 pH/Cl2 PPM	60361-KIT TRI	1	-	-
AP PR-204 Cl2 PPM	60362-KIT TRI	1	-	-
Optional:				
TRI kit, 3-unit simultaneous control	70338	1	-	-

COMPATIBLE
NN thing ®

PROFESSIONAL ADVICE
RECOMMENDED

Fluidra Connect
compatible

CONTROL CONNECT

The smart multi-setting controller

ASTRALPOOL △

A range of multi-setting control panels with colour touchscreen. Easy and efficient control of water sanitation. Fully automated pool water treatment.

- Multi-function TFT colour touchscreen.
- 4 programmable timer relays and 4 digital inputs.
- Poolstation (Ethernet as standard).
- Fluidra Connect Compatible.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
pH / ORP / Temp. with in-line sensor holder	71537	1	5.85	-
pH / ORP / Temp. with panel sensor holder	71538	1	6.85	-
pH / Cl (ppm) / Temp. with panel sensor holder	71539	1	6.85	-

71537

71538

71539

AMPEROMETRIC CHLORINE Sensors

ASTRALPOOL △

60645   60646

60647

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Free Chlorine Sensor	60645	1	0.22	-
ECC1 Electrolyte / Gel	60646	1	0.07	-
Membrane for CL.01.02	60647	1	0.02	-

PH / ORP SENSORS

ASTRALPOOL △

60648   60649

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
pH combined sensor	60648	1	0.20	-
ORP sensor	60649	1	0.20	-

CALIBRATION SOLUTIONS

ASTRALPOOL △

60618   60632   60633

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Buffer solution pH 7.0 - 30 mL (Green)	60618	1	0.053	-
Buffer solution pH 4.0 - 30 mL (Red)	60632	1	0.058	-
Calibration solution 470 mV - 30 mL	60633	1	0.060	-

POOL PATROL

ASTRALPOOL △

The Colorimetric controller unit gives a reply to the demand of the Swimming Pool Market requiring compact, easy and low maintenance device, with IP65 enclosure. The available measures are: Free Chlorine (DPD1), pH, Redox (ORP), Temperature. Thanks to its internal graphic display it is possible to have all measures displayed at the same time. The Plastic Cover assures an easy accessibility to the hydraulic part.
Includes: Measuring instrument, flow detector by temperature, pH sensor, ORP sensor, pH calibration solutions, ORP calibration solutions and DPD2 bottle.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Pool Patrol	54527	1	-	-

AUTOMATIC REGULATION AND CONTROL EQUIPMENT

GUARDIAN POOL

ASTRALPOOL

+ A fully automated electronic control unit with potentiometric measurements of pH and Redox potential or an amperometric measurement selective chlorine

The new Guardian Pool unit combines traditional control and dosing elements with a total digital control of its values that facilitates the management of the pool parameters, as well as its history to analyse or detect possible errors. Guardian Pool stands out for its high performance in the control and regulation of chemical products for use in private pools and public pools. Innovative design 7" high resolution touch screen display, firmware update through its USB port, which is also used for downloading the swimming pool data, and a great feature is the WIFI communication, to control the equipment through any mobile device, tablet or PC, inside its radius of range.

Advantages:

- New intuitive and user friendly multilingual user interface.
- Depending on model, simultaneous readings of pH, ORP, Temperature, Free Chlorine, Total Chlorine, Combined Chlorine and Turbidity.
- Internal datalogger with 4Mb of memory, up to 16,000 records, with the possibility of downloading data, displaying graphs and displaying the screen at the time of data input.
- Display of alarms by parameter.
- Chlorine measurement sensor, using Sodium Hypochlorite, Dichlor, Trichlor or Salt Chlorine, with stable reading up to 500 ppm of Isocyanuric Acid.
- Possibility to use electrodes for Bromine, Peroxide, Peracetic, Ozone ....
- 2 control relays for pH and Free Chlorine parameters, powered at 230V 50/60Hz 6A.
- 1 control relay powered for ORP at 230V 50/60Hz 6A.
- 1 control relay for Temperature 230V 50/60Hz with the possibility of associating it to Total Chlorine or Combined Chlorine.
- 2 alarm relays, potential free, configurable to any measurement, including flow rate, or as a general system alarm.
- RS485 Modbus Fluidra Connect RS485 communication port.
- Electrode holder with LED lighting for failure identification.

Technical Specifications:

- Innovative design.
- 7 " touch screen (240x128 pixels backlit display).
- Modular probel holder
- Digital central with full access to all its parameters.
- Easy to use.
- For pools dosed with stabilized chlorine (solid), non-stabilized chlorine (liquid or solid), or bromine.
- Includes double relay outputs for each parameter, adjustable 4-20 mA outputs
- WiFi module with internal Webserver page settings
- Fluidra connect compatible
- Multilingual menu
- The signal inputs of the sensors are galvanically isolated.
- USB port for download parameter and Firmware upgrade function.
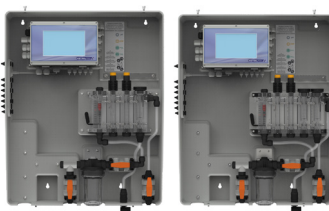- Adjusting the proportional dosage on proportional pump .
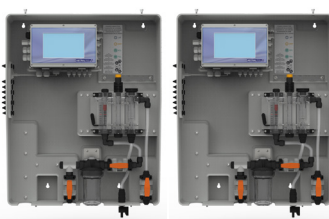
72700 72701
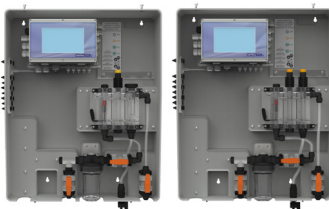
72702 72703

72704 72705

Fluidra Connect compatible

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Guardian Pool 1	72700	1	-	-
Guardian Pool 2	72701	1	-	-
Guardian Pool 3	72703	1	-	-
Guardian Pool 4	72702	1	-	-
Guardian Pool 5	72704	1	-	-
Guardian Pool 6	72705	1	-	-

		Guardian Pool 1	Guardian Pool 2	Guardian Pool 3	Guardian Pool 4	Guardian Pool 5	Guardian Pool 6
Model		**Chlorine 10 ppm**	**Chlorine 2 ppm**	**pH / ORP**	**pH / Chlorine 10 ppm**	**pH / ORP / °C / Chlorine 10 ppm(1)**	**pH / ORP / °C / Free and Total Chlorine 10 ppm / NTU(1)**
Code		**72700**	**72701**	**72703**	**72702**	**72704**	**72705**
Water uses		Drinking water	Drinking water	Residential / Commercial Pools	Commercial Pools	Commercial Pools	Commercial Pools
Sensors	pH			✓	✓	✓	✓
	ORP(2)			✓		✓	✓
	Temperature	✓	✓	✓	✓	✓	✓
	Free Chlorine 2 ppm		✓				
	Free Chlorine 10 ppm	✓			✓	✓	✓
	Total Chlorine 10 ppm						✓
	Combined Chlorine						✓
	Turbidity 10 NTU						✓

(1) PT-100 temperature sensor included. (2) ORP probe with gold cathode (Au).

CONTROLLER

ASTRALPOOL △

The panels in the CONTROLLER range are fully equipped and assembled systems. They are therefore ideal for use in water treatment.

Their simple, compact design makes installation and start-up extremely easy.

They come with all of the components and accessories required for rapid assembly. All assemblies are made of PVC sheets, in various sizes depending on the model.
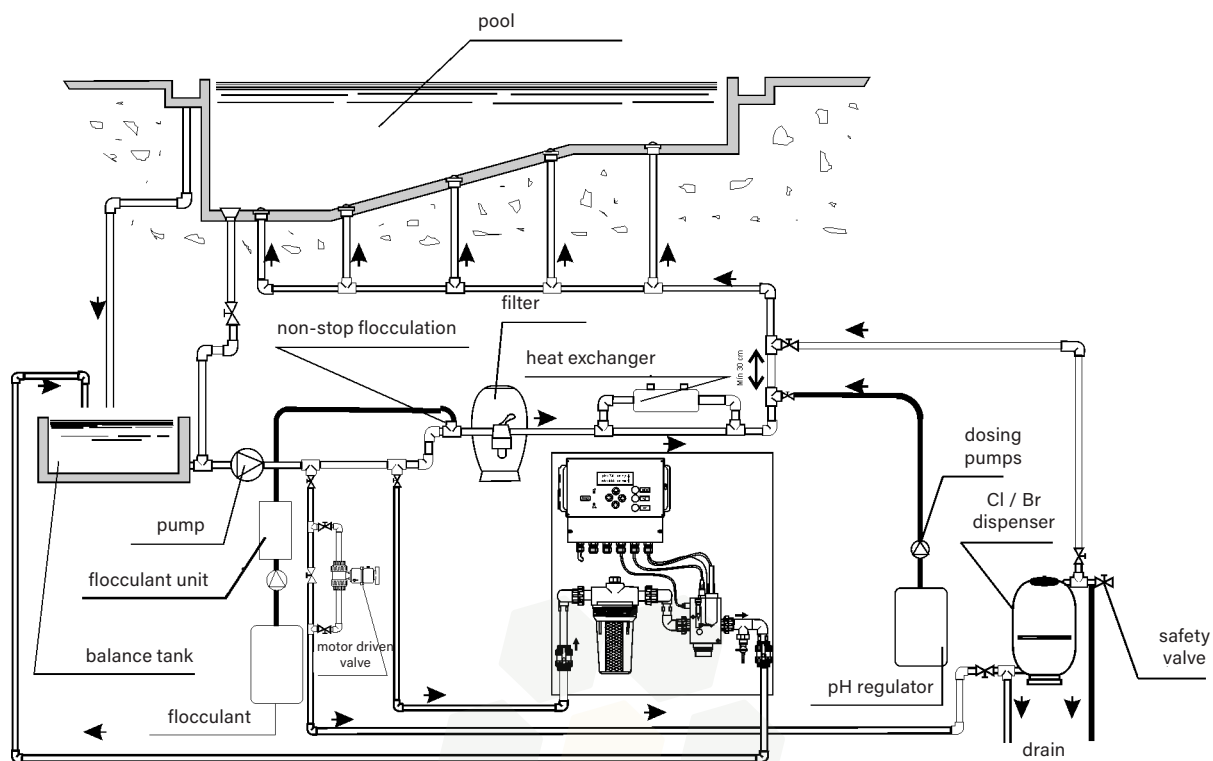
General technical features

- Range of available sizes depending of the sensor selected.
- Range available for free chlorine: 0-2, 0-5 0-10, 0-20 and 0-200 ppm.
- pH range: 0–14.
- ORP range: +/-1500 mV.
- Temperature range: 0–50°C.
- Measurement of stable chlorine with low pH dependence.
- Self-calibration of all sizes.
- Alarm signal if water flow is insufficient.
- Instrument with IP65 protection rating.
- 250 V-10 A relays for connecting dosing pumps or salt chlorinators.
- 4-20 mA analogue outlets with repeat signal or manifold for proportional pumps.
- Power supply: 230 V / 50 Hz.
- Setpoints and programmable alarms.
- Pump pause function during calibration and for stopping flow.
- Temperature readings and readjustment (automatic with PT100 sensor included).
- Three types of setpoint settings. On/Off, Proportional in Time and Proportional by Pulses.
- RS485 communications port.

Components included in the assembly:

- Methacrylate sensor holder, with flow regulator, sample taking valve and flow sensor.
- Filter holder and 80 micron filter cartridge for water inlet.
- DPD calibration standard solutions.
- Assembly accessories, and instruction and installation manual.
- Sensors depending on version.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Controller pH / Redox	66178	1	-	-
Controller pH / Free Chlorine	66177	1	-	-
Controller pH / ORP / Free Chlorine	66176	1	-	-
Controller Free Chlorine	66175	1	-	-
pH/Amperometric-free chlorine sensor	66168	1	-	-
pH/ORP/Amperometric free chlorine sensor	66169	1	-	-
Controller pH / ORP / Free Chlorine / Total amperometric chlorine	66170	1	-	-

Fluidra Connect compatible

WATER TREATMENT EQUIPMENT

INSTALLATION DIAGRAM FOR ORGANIC CHLORINE OR BROMINE

pool

non-stop flocculation

filter

heat exchanger

Min 30 cm

dosing pumps

Cl / Br dispenser

pump

flocculant unit

balance tank

motor driven valve

flocculant

pH regulator

safety valve

drain

INSTALLATION DIAGRAM FOR INORGANIC CHLORINE

pool

non-stop flocculation

filter

heat exchanger

dosing pumps

pump

flocculant unit

balance tank

flocculant

chlorine

pH regulator