



ECO-FRIENDLY WATERCARE TECHNOLOGY

CATALOGUE



sugar.valley

PRESENTATION

We are pleased to present the Sugar Valley 2020 catalogue dedicated to water treatment and control equipment, in which innovation and connectivity are protagonists.

In 2016 the multinational Hayward® group acquired the Kripsol® group and the Water treatment and regulation specialist, Sugar Valley. Our product range has not stopped growing in solutions to water treatment and disinfection. All our products are designed and manufactured to 100% in our factory in Barcelona. Highly technological, very intuitive, eco-friendly and at the forefront of control and automation (Internet of things technology).

The water treatment or disinfection systems we produce in Barcelona, are designed on a base equipment, enabling you to choose between conventional electrolysis or low salinity (from 1.5 gr salt) and both systems can be combined with copper / silver ionization (flocculant and algicidal function) or ultraviolet lamps -to eliminate chloramines-.

All our equipment's are modular and evolutionary, which means that the client can complement them with pH, Redox, Free Chlorine and temperature readings... at any time and without the need to return the equipment to the factory. Further, they allow the connection and control of various associated equipment's.

Our goal is undoubtedly to continuously invest in the development of efficient products that limit, simultaneously, water consumption, energy and the addition of chemicals. As a result of this permanent search for innovation, we have, in our portfolio, products highly technical and connected such as Hidrolife and Oxilife, among other equipment's, which not only produce chlorine, but also allows the control of main functions of the pool such as lighting, filtration pump, the regulation and dosage of pH and Redox and even the heat pump.

Additionally, we have improved our water treatment and regulating equipment, incorporating the option of a removable touch screen.

But all this innovation would not reach the final consumer if it were not for the human team behind the scenes. A qualified team that knows the customer, their needs and concerns and that will accompany and advise you in the process of sales.

The most important challenge, from our point of view, is to live up to and evolve at the same pace as the market with products ever more efficient, intelligent and eco-friendly with the environment. Products that allow consumers to save time and energy and which their use is easy and very intuitive. Simplicity, performance and efficiency.

We understand, these are the best qualities of a connected pool. And it is in these areas that we will continue our development.

We would like to thank you for your collaboration and loyalty during all these years and remind you that we are at your disposal.

Fernando Blasco
Managing Director of Hayward® Europe.

INDEX

3 SUGAR VALLEY®

4 SUGAR VALLEY SOLUTIONS
COMMON CHARACTERISTICS

5 AVAILABLE OPTIONS
DOMOTICS

7 WATER TREATMENT & CONTROL
EQUIPMENT FOR RESIDENTIAL
POOLS

23 WATER TREATMENT & CONTROL
EQUIPMENT FOR COMMERCIAL
POOLS

35 MEASUREMENT OPTIONS

36 COMPARATIVE ADVANTAGES

37 GENERAL SALES CONDITIONS



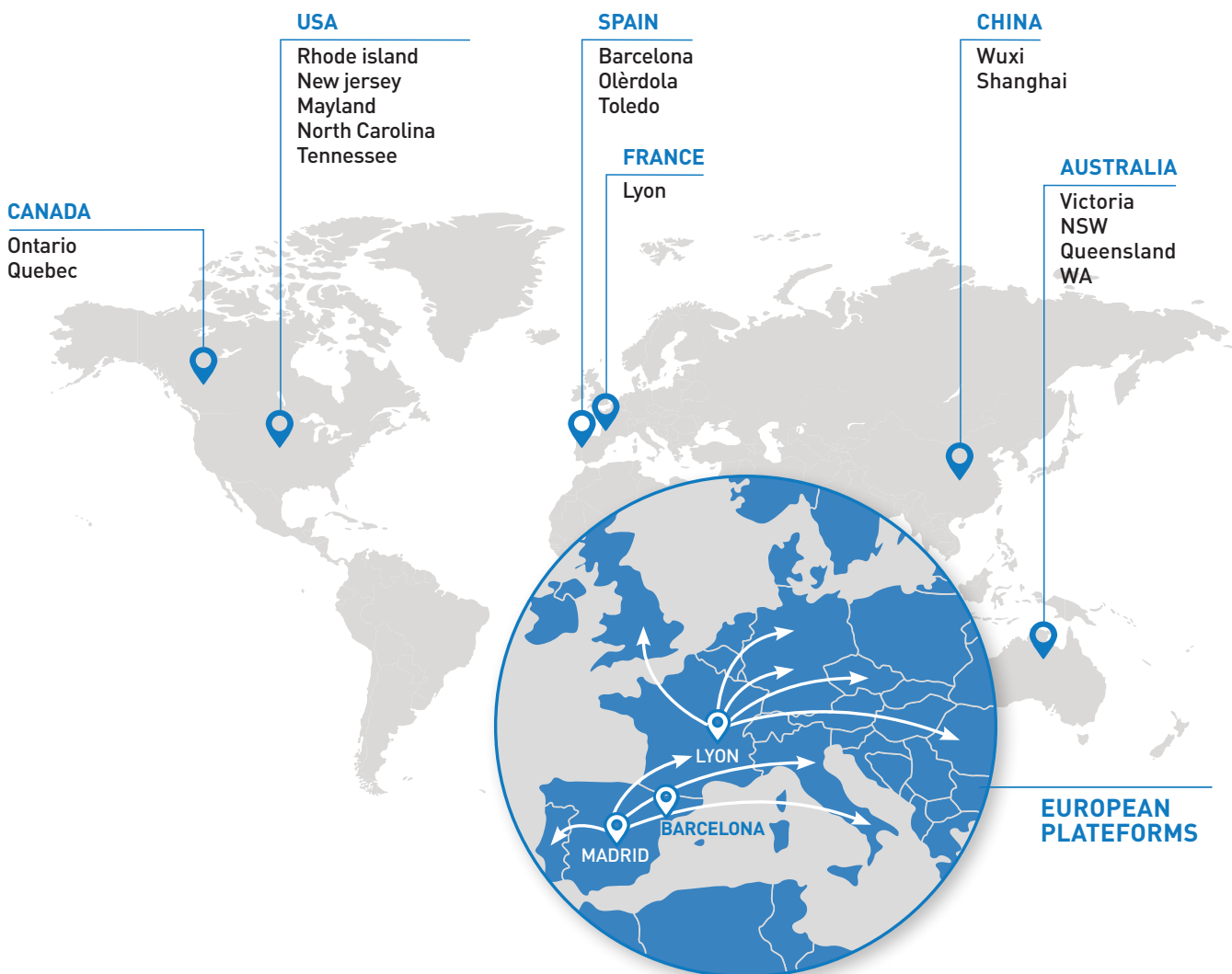
ALWAYS CLOSER TO YOU IN EUROPE

Expanding our product offer to serve you better

HAYWARD®, LEADING SUPPLIER OF POOL EQUIPMENT

HAYWARD® designs, manufactures and markets equipment for residential and commercial pools.

➡ A WORLDWIDE PRESENCE



The specialist in water treatment, automation and regulation

The products presented under the Sugar Valley brand are high-tech and efficient products. These products are the consequence of mastery and experience in water treatment

SUGAR VALLEY SOLUTIONS

FOR THE WATER TREATMENT OF YOUR POOL

CONTROL AND DISINFECTION EQUIPMENT FOR RESIDENTIAL POOLS



HIDROLIFE



OXILIFE



UVSCENIC



AQUASCENIC



BIONET



HIDRONISER

CONTROL AND DISINFECTION EQUIPMENT FOR COMMERCIAL POOLS



HIDROLIFE / OXILIFE / UVSCENIC / AQUASCENIC / BIONET

CONTROL EQUIPMENT FOR RESIDENTIAL AND COMMERCIAL POOLS



STATION

CHARACTERISTICS COMMON



TO ALL EQUIPMENT

- from 9 SALT/L** Minimum salt concentration necessary to ensure an optimal production of disinfectant.
- PORTABLE COLOR DISPLAY (TFT)** Mobile controller display for convenience & comfort. Direct access from inside your home.
- WORLDWIDE REMOTE CONTROL** Operate and control your pool from anywhere in the world.
- UPGRADE POSSIBLE** Expandable and upgradable system – new options & features can be incorporated (via plug and play) whenever needed.
- Ti TITANIUM** Titanium grade 1 coated with long-life precious metals.
- TOTAL POOL CONTROL** Control of all pool components.

- SELF CLEAN** Self-cleaning system.
- SEA WATER** Works with any salt concentration, even with sea water or salt saturated water.
- FRESH WATER** Reach the optimum disinfection with salt levels corresponding to fresh water.
- Control of filtration periods.**
- Lighting control.**
- Control of up to 4 auxiliary outlets.**
- WARRANTY 2** Control box warranty: 2 years.

AVAILABLE OPTIONS

TO ALL EQUIPMENT

C°	Temperature control.	rX	redoX measurement and control.	pH	Measurement and control of water pH.	Cl₂	Free chlorine measurement and control (ppm).
Cd	Measurement and control of conductivity.		WiFi / Ethernet Connection.		Touch screen.		

DOMOTIC

REMOTE-CONTROL AND AUTOMATION SYSTEM





VISTAPPOOL app remote control



WIFI Module



ETHERNET Module

- ① The remote control modules allow the connection of all our equipment via wifi or ethernet.
- ② The user has a website for PC and an application for Smartphone  or Tablet: Vistapool.
- ③ The client monitors, controls and manipulates all components and parameters of your pool from anywhere in the world. Control of the periods of filtration, control of the lighting of the pool and garden, garden watering, fountains, waterfalls, spa.
- ④ The pool maintenance professional controls all the pools he wants without limitations and without the need to move.
- ⑤ The pool automatically generates statistics on the history of its parameters.
- ⑥ The equipment can send alarms previously configured by the customer via email.
- ⑦ All devices have an output with default protocol Modbus RS485 communications for the total integration of the equipment into home automation. 





WATER TREATMENT AND CONTROL EQUIPMENT FOR RESIDENTIAL POOLS

HIDROLIFE

SALT ELECTROLYSIS

NEW CONCEPT TO ENHANCE THE WATER QUALITY

- **Salt Electolysis** from 3 g/l of salt
- **Can work with sea water**
- **Controls and regulates pH**, Redox, free chlorine
- **7 Relays for pool control:** filtration, lighting, pH + 4 auxiliaries
- Temperature control
- **Option: remote control** (wifi / ethernet + app)

Technical description: Generates chlorine from dissolved common salt in the pool water. Avoids the purchase and manipulation of chemical products and simplifies maintenance. Guarantees a healthier and more pleasurable swim.



Non contractual photography

SELF CLEAN

Self
cleaning Cell

8.000 h

Cell
warranty



Polarity change
programming



PVC Transparent
support

SECURITY
SENSOR

Security
sensor included

ELECTRONIC UNIT

DESCRIPTION	SAL 16	SAL 22	SAL 33	SAL 50
Maximum production Cl ² /h	16 g	22 g	33 g	50 g
Salinity	From 3 g to 100 g NaCl/l			
Pool Volume m ³ (up to 28°C)	65 m ³	110 m ³	200 m ³	250 m ³
Pool Volume m ³ (+28°C)	40 m ³	80 m ³	125 m ³	150 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)			
Power supply	220 V 50/60 Hz			
Output	8-15 A	8-20 A	10-15 A	10-16 A
Maximum consumption	120 W	160 W	150 W	400 W
Dimensions	270 x 220 x 115 mm			
Electronic unit	Flame retardant plastic black ABS			
Protection cover	Flame retardant plastic yellow ABS			
Control	Microprocessor 32 bits			
Intensity regulation	Amperage + Voltage			
Ventilation	Heatsink			
Self-cleaning	Programmable from 1 to 24 h			
Flow control	Gas sensor			Flow sensor
Operating hours counter	Yes, accessible by customer			
Production control	g/L			
Alarms	Low salinity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time			
Salinity test	Detects g/l of salt (accuracy of ± 10%)			
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover			
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)			
Communications	MODBUS RS485 / WIFI / ETHERNET			
Main control outputs	Filtration control / Lighting control / Heating control			
Additional control outputs	4 additional relay outputs configurable by the user			

SALT ELECTROLYSIS CELL

DESCRIPTION	SAL 16	SAL 22	SAL 33	SAL 50
Saline electrolysis cell	4 titanium plates	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	5 m ³ /h	7 m ³ /h	9 m ³ /h	11 m ³ /h
Plates sizes	200 x 45 mm	200 x 45 mm	200 x 45 mm	400 x 45 mm
Cell support material	Transparent PVC plastic			
Cell closure	Threaded for easy cell installation			
Pipe connection diameter	63 mm			
Cell cable	(3 x 4) x 1.5 m			
Gas sensor	Built-in cell			no
Maximum pressure	4 Kg/cm ²			
Maximum temperature	45°C			

OXILIFE

LOW SALINITY ELECTROLYSIS AND HYDROLYSIS

The treatment which adapts
to your needs

- **Low salt electrolysis:** 1.5 g of salt
- **Controls and regulates** pH, Redox, free chlorine
- **7 Relays for pool control:** filtration, lighting, pH, Redox + 4 auxiliaries.
- Temperature control
- **Option: remote control** (wifi + app)
- **Usage:** pools from 25m³ to 125 m³

Technical description: Oxilife employs two disinfection methods for perfect water sterilization, without needing to add any type of chemical. The hydrolysis breaks the water molecule (H₂O) in hydrogen and oxygen (H and O), thus generating disinfection agents based on oxygen (O₃, O₂, OH⁻, H₂O₂...). It also uses low Salinity electrolysis (> 1.5 g of salt / liter) for the generation of residual chlorine.



Non contractual photography



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included

ELECTRONIC UNIT

DESCRIPTION	OX 0	OX 1	OX 2	OX 3
Intensidad	0-100%			
Salinity	From 1.5 g to 100 g NaCl/l			
Pool Volume m ³ (up to 28°C)	20 m ³	60 m ³	120 m ³	150 m ³
Pool Volume m ³ (+28°C)	10 m ³	40 m ³	80 m ³	125 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)			
Power supply	220 V 50/60 Hz			
Output	8-8 A	8-15 A	8-20 A	10-15 A
Maximum consumption	80 W	120 W	160 W	250 W
Dimensions	270 x 220 x 115 mm			
Electronic unit	Flame retardant plastic black ABS			
Protection cover	Flame retardant plastic green ABS			
Control	Microprocessor 32 bits			
Intensity regulation	Amperage + Voltage			
Ventilation	Heatsink			
Self-cleaning	Programmable from 1 to 24 h			
Flow control	Gas sensor			Flow sensor
Operating hours counter	Yes, accessible by customer			
Production control	From 0 to 100%			
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time			
Salinity test	Detects g/l of salt (accuracy of ± 10%)			
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover			
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)			
Communications	MODBUS RS485 / WIFI / ETHERNET			
Main control outputs	Filtration control / Lighting control / Heating control			
Additional control outputs	4 additional relay outputs configurable by the user			

SALT ELECTROLYSIS CELL

DESCRIPTION	OX 0	OX 1	OX 2	OX 3
Saline electrolysis cell	4 titanium plates	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	3 m ³ /h	5 m ³ /h	7 m ³ /h	9 m ³ /h
Plates sizes	100 x 45 mm	200 x 45 mm	200 x 45 mm	400 x 45 mm
Cell support material	Transparent PVC plastic			
Cell closure	Threaded for easy cell installation			
Pipe connection diameter	63 mm			
Cell cable	(3 x 4) x 1.5 m			
Gas sensor	Built-in cell			no
Maximum pressure	4 Kg/cm ²			
Maximum temperature	45°C			

UVSCENIC

LOW SALINITY ELECTROLYSIS,
HYDROLYSIS AND UV TECHNOLOGY

Innovative combination of UV rays
and low salinity electrolysis

- **UV rays eliminate 99% of the algae,** bacteria and micro organisms
- **Low salt electrolysis** insures the chlorine production to maintain the pool cleanliness and free of germs
- Controls and regulates pH, Redox and free chlorine
- **Controls filtration,** lighting, pH, Redox + 4 auxiliaries
- Temperature control
- **Option: remote control** (wifi + app)
- **Usage:** especially suitable for liner pools and pools with higher water temperatures

Technical description: UVscenic system employs two principles of disinfection for perfect water sterilization, without without needing to add any type of chemicals. On the one hand it generates oxidants through low electrolysis Salinity (from 1.5 g of NaCl / l), on the other hand subjects the water to UV-C radiation that helps additionally to neutralize bacteria, viruses and other primary organisms including chloramines



Non contractual photography



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



UV Lamp

ELECTRONIC UNIT

DESCRIPTION	UV 16	UV 33	UV 50
Intensidad	0-100%		
Salinity	From 1.5 g to 100g de NaCl/l		
Pool Volume m ³ (up to 28°C)	65 m ³	100 m ³	200 m ³
Pool Volume m ³ (+28°C)	40 m ³	80 m ³	125 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)		
Power supply	220 V 50/60 Hz		
Output	8-15 A	8-20 A	10-15 A
Maximum consumption	120 W	160 W	250 W
Dimensions	270 x 220 x 115 mm		
Electronic unit	Flame retardant plastic black ABS		
Protection cover	Flame retardant plastic lilac ABS		
Control	Microprocessor 32 bits		
Intensity regulation	Amperage + Voltage		
Ventilation	Heatsink		
Self-cleaning	Programmable from 1 to 24 h		
Flow control	Gas sensor		Flow sensor
Operating hours counter	Yes, accessible by customer		
Production control	From 0 to 100%		
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time		
Salinity test	Detects g/l of salt (accuracy of ± 10%)		
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover		
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)		
Communications	MODBUS RS485 / WIFI / ETHERNET		
Main control outputs	Filtration control / Lighting control / Heating control		
Additional control outputs	4 additional relay outputs configurable by the user		

SALT ELECTROLYSIS CELL

DESCRIPTION	UV 16	UV 33	UV 50
Saline electrolysis cell	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	5 m ³ /h	9 m ³ /h	11 m ³ /h
Plates sizes	200 x 45 mm		400 x 45 mm
Cell support material	Transparent PVC plastic		
Cell closure	Threaded for easy cell installation		
Pipe connection diameter	63 mm		
Cell cable	(3 x 4) x 1.5 m		
Gas sensor	Built-in cell		no
Maximum pressure	4 Kg/cm ²		
Maximum temperature	45°C		

ULTRAVIOLET

DESCRIPTION	UV 16	UV 33	UV 50
Dimensions	1000 x 375 mm		
Connection	63 mm		
Material	UV resistant PVC		
Watts	2 x 55 w		

AQUASCENIC

LOW SALINITY ELECTROLYSIS,
HYDROLYSIS AND IONIZATION (Cu / Ag)

Integral and fully natural
water treatment solution.

- › **Combination of water hydrolysis and Cu/Ag ionization** for a natural pool disinfection
- › No additional chemicals required
- › **Controls and regulates pH, Redox and free chlorine**
- › **Controls filtration, lighting, pH, Redox + 4 auxiliaries**
- › Temperature control
- › **Option: remote control** (Wifi + App)
- › **Usage:** residential pools

Technical description: Aquascenic employs three methods of disinfection for perfect sterilization of water, without without the need to add any type of chemicals. The hydrolysis breaks the water molecule (H_2O) in hydrogen and oxygen (H and O), thus generating disinfection agents based on oxygen (O_3 , O_2 , OH^\cdot , H_2O_2 ...). Electrolysis uses chlorides present in the water to produce $HClO$ (disinfectant). Also uses the ionization of copper and silver (algaeicide, bactericide and flocculant) to generate a residual disinfectant.



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Ionization
Cu/Ag

ELECTRONIC UNIT

DESCRIPTION	HD 1	HD 2	HD 3
Intensidad	0-100%		
Salinity	From 1.5 g to 100 g de NaCl/l		
Pool Volume m ³ (up to 28°C)	65 m ³	100 m ³	200 m ³
Pool Volume m ³ (+28°C)	40 m ³	80 m ³	125 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)		
Power supply	220 V 50/60 Hz		
Output	8-8 A	8-15 A	8-20 A
Maximum consumption	80 W	120 W	160 W
Dimensions	270 x 220 x 115 mm		
Electronic unit	Flame retardant plastic black ABS		
Protection cover	Flame retardant plastic grey ABS		
Control	Microprocessor 32 bits		
Intensity regulation	Amperage + Voltage		
Ventilation	Heatsink		
Self-cleaning	Programmable from 1 to 24 h		
Flow control	Gas sensor		Flow sensor
Operating hours counter	Yes, accessible by customer		
Production control	From 0 to 100%		
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time		
Salinity test	Detects g/l of salt (accuracy of ± 10%)		
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover		
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)		
Communications	MODBUS RS485 / WIFI / ETHERNET		
Main control outputs	Filtration control / Lighting control / Heating control		
Additional control outputs	4 additional relay outputs configurable by the user		

SALT ELECTROLYSIS CELL

DESCRIPTION	HD 1	HD 2	HD 3
Saline electrolysis cell	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	5 m ³ /h	9 m ³ /h	11 m ³ /h
Plates sizes	200 x 45 mm		400 x 45 mm
Cell support material	Transparent PVC plastic		
Cell closure	Threaded for easy cell installation		
Pipe connection diameter	63 mm		
Cell cable	(3 x 4) x 1.5 m		
Gas sensor	Built-in cell		no
Maximum pressure	4 Kg/cm ²		
Maximum temperature	45°C		

IONIZATION CHAMBER

DESCRIPTION	HD 1	HD 2	HD 3
Numero de electrodos	2	4	6
Dimensions (length/Ø)	177 x 141 mm	280 x 141 mm	400 x 141 mm
Connection	2" thread (63 mm)		
Glass material	Transparent ABS		
Electrode material	Electrolytic copper and silver		

BIONET

ELECTROLYSIS AND IONIZATION (Cu/Ag)

Exclusive system for healthier water
Salt Electrolysis

- **Chlorine generation thanks to a salt electrolysis system** (3 gr/l of salt) combined with a Cu/Ag ionization to enhance the disinfection efficiency for a clear and healthy water
- Controls and regulates pH, Redox and free chlorine
- **Controls filtration, lighting, pH, Redox + 4 auxiliaries**
- Temperature control
- **Option: remote control** (Wifi + App)
- **Usage:** residential pools

Technical description: BIONET employs two methods of disinfection for the perfect sterilization of water, without the need to add chemicals. Generate automatically disinfectant sodium hypochlorite based on a slightly salty water (> 3 g Salt / liter). It also uses the ionization of copper and silver (algicide, bactericide and flocculant) to generate disinfectant and additional flocculant.



Non contractual photography



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Ionization
Cu/Ag

ELECTRONIC UNIT

DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Intensidad	16 g	22 g	33 g	50 g
Salinity	From 3 g to 100 g de NaCl/l			
Pool Volume m ³ (up to 28°C)	65 m ³	110 m ³	200 m ³	250 m ³
Pool Volume m ³ (+28°C)	40 m ³	80 m ³	125 m ³	150 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)			
Power supply	220V 50/60 Hz			
Output	8-15 A	8-20 A	10-15 A	10-16 A
Maximum consumption	120 W	160 W	150 W	400 W
Dimensions	270 x 220 x 115 mm			
Electronic unit	Flame retardant plastic black ABS			
Protection cover	Flame retardant plastic blue ABS			
Control	Microprocessor 32 bits			
Intensity regulation	Amperage + Voltage			
Ventilation	Heatsink			
Self-cleaning	Programmable from 1 to 24 h			
Flow control	Gas sensor			Flow sensor
Operating hours counter	Yes, accessible by customer			
Production control	g/L			
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time			
Salinity test	Detects g/l of salt (accuracy of ± 10%)			
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover			
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)			
Communications	MODBUS RS485 / WIFI / ETHERNET			
Main control outputs	Filtration control / Lighting control / Heating control			
Additional control outputs	4 additional relay outputs configurable by the user			

SALT ELECTROLYSIS CELL

DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Saline electrolysis cell	4 titanium plates	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	3 m ³ /h	5 m ³ /h	7 m ³ /h	9 m ³ /h
Plates sizes	200 x 45 mm	200 x 45 mm	200 x 45 mm	400 x 45 mm
Cell support material	Transparent PVC plastic			
Cell closure	Threaded for easy cell installation			
Pipe connection diameter	63 mm			
Cell cable	(3 x 4) x 1.5 m			
Gas sensor	Built-in cell			no
Maximum pressure	4 Kg/cm ²			
Maximum temperature	45°C			

HIDRONISER

IONIZATION (Cu/Ag)

Complete your actual sanitization system by giving added value to your pool

Copper and Silver ionization of the water will reduce the addition of chlorine up to 80%

- **Controls and regulates pH, Redox and free chlorine**
- **Controls filtration, lighting, pH, Redox + 4 auxiliaries**
- Temperature control
- **Option: remote control** (Wifi + App)
- **Usage:** residential pools

Technical description: HIDRONISER REDUCES CONSUMPTION CHLORINE UP TO 80%. Ions are produced from copper and silver (positively charged). These attract microscopic organisms (loaded negatively) and destroy their cells. Ions they flocculate suspended matter and eliminate algae and bacteria.



Control of all pool components



Lighting control



Temperature control



Redox control



Control of filtration periods



Control of up to 4 auxiliary outlets



pH control



Free chlorine control



Ionization Cu/Ag

ELECTRONIC UNIT

DESCRIPTION	AQ 65	AQ 110	AQ 150	AQ 200	AQ 300	AQ 400	AQ 500	AQ 600	AQ 700	AQ 800
Pool Volume m ³ (up to 28°C)	65 m ³	110 m ³	150 m ³	200 m ³	300 m ³	400 m ³	500 m ³	600 m ³	700 m ³	800 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)									
Power supply	220 V 50/60 Hz									
Salida	24 V									
Maximum consumption	15 W	20 W	25 W	30 W	35 W	40 W	45 W	50 W	60 W	65 W
Dimensions	270 x 220 x 115 mm									
Electronic unit	Flame retardant plastic black ABS									
Protection cover	Flame retardant plastic red ABS									
Control	Microprocessor 32 bits									
Intensity regulation	Amperage + Voltage									
Ventilation	Natural									
Self-cleaning	Programmable from 1 to 24 h									
Operating hours counter	Yes, accessible by customer									
Ion production control Cu/Ag	From 0 to 100% / Timer Pr30/60/90 minutes									
Alarms	Embedding / Electrode Status									
Communications	MODBUS RS485 / WIFI / ETHERNET									
Main control outputs	Filtration control / Lighting control / Heating control									
Additional control outputs	4 additional relay outputs configurable by the user									

IONIZATION CHAMBER

DESCRIPTION	AQ 65	AQ 110	AQ 150	AQ 200	AQ 300	AQ 400	AQ 500	AQ 600	AQ 700	AQ 800
Numero de electrodos	2	4	6	8	10	12	14	16	18	20
Dimensions	See image (Dimensions)									
Connection	2" thread (63 mm)									
Glass material	Transparent ABS									
Electrode material	Electrolytic copper and silver									

STATION

CONTROL AND DOSAGE EQUIPMENT

Automatic control for pH, redox, free chlorine and conductivity

- **Desinfects the pool** by the automatic metering of chemical products
- **Measures and controls water quality** with maximum precision
- Automatically activates necessary adjustments
- Allows up to 4 parameters in one single electronic unit
- Controls and regulates pH, Redox and free chlorine
- **Controls filtration, lighting, pH, Redox + 4 auxiliaries**
- Temperature control
- **Remote control** (Wifi + App)
- **Usage:** residential and commercial pools

Technical description: Disinfection by automatic metering of chemical products. Controls pH, redox, chlorine and conductivity. Measures and controls water quality with maximum precision. Automatically activates necessary adjustments. Allows up to 4 parameters in one single electronic unit.



Non contractual photography



Control of all pool components



Lightning control



Temperature control



Redox control



Control of filtration periods



Control of up to 4 auxiliary outlets



pH control



Free chlorine control

ELECTRONIC UNIT

DESCRIPTION	ST1
Maximum production Cl ₂ /h	NO
Salinity	NO
Display	2.8" TFT full color removable screen for remote installation (12 languages)
Power supply	220 V 50/60 Hz
Output	NO
Maximum consumption	40 W
Dimensions	270 x 220 x 115 mm
Electronic unit	Flame retardant plastic black ABS
Protection cover	Flame retardant plastic orange ABS
Control	Microprocessor 32 bits
Intensity regulation	Amperage + Voltage
Flow control	Flow sensor (opcional)
Alarms	dosing pH / excessive pH out of range / ph maximum dosing time / Error de memoria...
Communications	MODBUS RS485 / WIFI / ETHERNET
Main control outputs	Filtration control / Lighting control / Heating control
Additional control outputs	4 additional relay outputs configurable by the user
Inputs	2 configurable analog inputs



The background of the entire page is a close-up, high-resolution image of water. The water is a deep teal or dark blue color. It features soft, undulating ripples and small, gentle waves that catch the light, creating a textured, shimmering effect. The lighting appears to come from above, highlighting the crests of the ripples and leaving the troughs in a slightly darker shade.

WATER TREATMENT AND CONTROL EQUIPMENT FOR COMMERCIAL POOLS

HIDROLIFE

SALT ELECTROLYSIS

PUBLIC SWIMMING POOLS

REMOVABLE
**TOUCH
SCREEN
INCLUDED**



Non contractual photography

PUBLIC SWIMMING POOLS

Public swimming pools*	Model	Description	Components
120 m ³	SAL 85	Salt electrolysis 85 g Cl ₂ /h	Electronic unit / Titanium cell / Transparent PVC support 110 mm
250 m ³	SAL 125	Salt electrolysis 125 g Cl ₂ /h	Electronic unit / Titanium cell / Transparent PVC support 110 mm
350 m ³	SAL 175	Salt electrolysis 175 g Cl ₂ /h	Electronic unit / Titanium cell / Transparent PVC support 110 mm
500 m ³	SAL 250	Salt electrolysis 250 g Cl ₂ /h	Electronic unit / Titanium cell / Transparent PVC support 140 mm
700 m ³	SAL 350	Salt electrolysis 350 g Cl ₂ /h	2 electronic units / 2 cells titanio / 2 transparent PVC supports 110mm
1000 m ³	SAL 500	Salt electrolysis 500 g Cl ₂ /h	2 electronic units / 2 titanium cells / 2 transparent PVC supports 140mm

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^{\circ} \text{ bathers})) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary production of gr/h for public swimming pools}$$



Self cleaning Cell



Cell warranty



Polarity change programming



PVC Transparent support



Security sensor included



Cells for large pools



Redox measurement and control (rX)



pH measurement and control



Free chlorine measurement and control (Cl₂)

ELECTRONIC UNIT

DESCRIPTION	SAL 85	SAL 125	SAL 175	SAL 250	SAL 350	SAL 500
Maximum production Cl_2/h	85 g	125 g	175 g	250 g	350 g	500 g
Salinity	From 3 g to 100 g de NaCl/l					
Pool Volume m^3	120 m^3	250 m^3	350 m^3	500 m^3	700 m^3	1000 m^3
Display	4.3" TOUCH SCREEN removable screen for remote installation (12 languages)					
Power supply	220V 50/60 Hz					
Output	8-85 A	8-125 A	10-85 A	10-125 A	2 (10-85 A)	2 (10-125 A)
Maximum consumption	680 W	1000 W	1020 W	1500 W	2 x 1020 W	2 x 1500 W
Dimensions	680 x 440 x 320 mm					
Electronic unit	Black anodized aluminum					
Protection cover	Flame retardant plastic black ABS					
Control	Microprocessor 32 bits					
Intensity regulation	Amperage + Voltage					
Ventilation	Heatsink					
Self-cleaning	Programmable from 1 to 24 h					
Flow control	Flow sensor					
Operating hours counter	Yes, accessible by customer					
Production control	g/L					
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time					
Salinity test	Detects g/l of salt (accuracy of $\pm 10\%$)					
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover					
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)					
Communications	MODBUS RS485 / WIFI / ETHERNET					
Main control outputs	Filtration control / Lighting control / Heating control					
Additional control outputs	4 additional relay outputs configurable by the user					

SALT ELECTROLYSIS CELL

SALT ELECTROLYSIS CELL						
DESCRIPTION	SAL 85	SAL 125	SAL 175	SAL 250	SAL 350	SAL 500
Saline electrolysis cell	6 titanium plates	10 titanium plates	13 titanium plates	17 titanium plates	2 x 13 titanium plates	2 x 17 titanium plates
Minimum flow	15 m³/h	15 m³/h	15 m³/h	20 m³/h	30 m³/h	40 m³/h
Plates sizes	400 x 90 x 24 mm	400 x 90 x 34 mm	400 x 90 x 38 mm	400 x 90 x 50 mm	2 cells SAL 175	2 cells SAL 250
Cell support material	Transparent PVC plastic					
Cell closure	Threaded for easy cell installation					
Pipe connection diameter	110 mm	110 mm	110 mm	140 mm	110 mm	140 mm
Dimensions millimeters	650 mm x 140 mm			760 mm x 140 mm	2 cells SAL 175	2 cells SAL 250
Cell cable	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	
Maximum pressure	4 Kg/cm²					
Maximum temperature	Minimum 0° C / Maximum 45° C					

OXILIFE

LOW SALINITY ELECTROLYSIS AND HYDROLYSIS

PUBLIC SWIMMING POOLS



Non contractual photography

PUBLIC SWIMMING POOLS

Public swimming pools*	Model	Description	Components
65 m ³	OX 4	Hydrolysis 80	Electronic unit / Titanium cell / Transparent PVC support 110 mm
120 m ³	OX 5	Hydrolysis 120	Electronic unit / Titanium cell / Transparent PVC support 110 mm
250 m ³	OX 6	Hydrolysis 175	Electronic unit / Titanium cell / Transparent PVC support 110 mm
350 m ³	OX 7	Hydrolysis 250	Electronic unit / Titanium cell / Transparent PVC support 140 mm
500 m ³	OX 8	Hydrolysis 350	2 electronic units / 2 cells titanio / 2 transparent PVC supports 110mm
750 m ³	OX 9	Hydrolysis 500	2 electronic units / 2 cells titanio / 2 transparent PVC supports 140mm

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^{\circ} \text{ bathers})) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary intensity (see number under "DESCRIPTION")}$$



Self cleaning Cell



Cell warranty



Polarity change programming



PVC Transparent support



Security sensor included



Lightning control



Redox measurement and control (rX)



pH measurement and control


Free chlorine measurement and control (Cl₂)

ELECTRONIC UNIT

DESCRIPTION	OX 4	OX 5	OX 6	OX 7	OX 8	OX 9
Intensidad	0-100%					
Salinity	From 1 g to NaCl/l					
Pool Volume m ³	65 m ³	120 m ³	250 m ³	350 m ³	500 m ³	750 m ³
Display	4.3" TOUCH SCREEN removable screen for remote installation (12 languages)					
Power supply	220V 50/60 Hz					
Output	8-65 A	8-95 A	10-65 A	10-95 A	2 (10-65 A)	2 (10-95 A)
Maximum consumption	680 W	1000 W	1020 W	1500 W	1500 W	1500 W
Dimensions	300 x 550 x 250 mm					
Electronic unit	Black anodized aluminum					
Protection cover	Flame retardant plastic black ABS					
Control	Microprocessor 32 bits					
Intensity regulation	Amperage + Voltage					
Ventilation	Forzada					
Self-cleaning	Programmable from 1 to 24 h					
Flow control	Flow sensor					
Operating hours counter	Yes, accessible by customer					
Production control	From 0 to 100%					
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time					
Salinity test	Conductivity indicator accuracy of ± 10%					
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover					
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)					
Communications	MODBUS / WIFI					
Main control outputs	Filtration control / Lighting control / Heating control					
Additional control outputs	4 additional relay outputs configurable by the user					

HYDROLYSIS CELL

DESCRIPTION	OX 4	OX 5	OX 6	OX 7	OX 8	OX 9
hydrolysis cell	7 titanium plates	10 titanium plates	13 titanium plates	17 titanium plates	2 x 13 titanium plates	2 x 17 titanium plates
Minimum flow	15 m³/h	15 m³/h	15 m³/h	20 m³/h	30 m³/h	40 m³/h
Plates sizes	400 x 90 x 19 mm	400 x 90 x 28 mm	400 x 90 x 38 mm	400 x 90 x 50 mm	2 cells OX 6	2 cells OX 7
Cell support material	Transparent PVC plastic					
Cell closure	Threaded for easy cell installation					
Pipe connection diameter	110 mm	110 mm	110 mm	140 mm	110 mm	140 mm
Dimensions millimeters	650 mm x 140 mm			760 mm x 140 mm	2 cells OX 6	2 cells OX 7
Cell cable	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	
Maximum pressure	4 Kg/cm²					
Maximum temperature	Minimum 0° C / Maximum 45° C					

UVSCENIC

LOW SALINITY ELECTROLYSIS,
HYDROLYSIS AND UV TECHNOLOGY

PUBLIC SWIMMING POOLS

REMOVABLE
**TOUCH
SCREEN**
INCLUDED



Non contractual photography

PUBLIC SWIMMING POOLS

Public swimming pools*	Model	Description	Components
125 m ³	UV 85	Ultraviolet + Hydrolysis 85 (from 1.5 g/l NaCl)	Electronic unit / Support UV 50-63 mm / 2 ultraviolet lamps 55 W/unit. / Titanium cell / Transparent PVC support 110 mm
220 m ³	UV 125	Ultraviolet + Hydrolysis 125 (from 1.5 g/l NaCl)	Electronic unit / Support UV 50-63 mm / 4 ultraviolet lamps 55 W/unit. / Titanium cell / Transparent PVC support 110 mm
300 m ³	UV 175	Ultraviolet + Hydrolysis 175 (from 1.5 g/l NaCl)	Electronic unit / Support UV 50-63 mm / 4 ultraviolet lamps 55 W/unit. / Titanium cell / Transparent PVC support 110 mm
400 m ³	UV 250	Ultraviolet + Hydrolysis 250 (from 1.5 g/l NaCl)	Electronic unit / Support UV 50-63 mm / 6 ultraviolet lamps 55 W/unit. / Titanium cell / Transparent PVC support 140 mm

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^{\circ} \text{ bathers}) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary intensity (see number under "DESCRIPTION")}$$



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Lightning
control



Redox measurement
and control (rX)



pH measurement
and control



Free chlorine
measurement and
control (Cl₂)

ELECTRONIC UNIT

DESCRIPTION	UV 85	UV 125	UV 175	UV 250
Intensidad	0-100%			
Salinity	From 1.5 g to 100 g NaCl/l			
Pool Volume m ³	125 m ³	220 m ³	300 m ³	400 m ³
Display	4.3" TOUCH SCREEN removable screen for remote installation (12 languages)			
Power supply	220 V 50/60 Hz			
Output	8V-65A	8V-90A	10V-65A	10V-90A
Maximum consumption	850 W	1300 W	1060 W	1500 W
Dimensions	300 x 550 x 250 mm			
Electronic unit	Black anodized aluminum			
Protection cover	Flame retardant plastic black ABS			
Control	Microprocessor 32 bits			
Intensity regulation	Amperage + Voltage			
Ventilation	Forced			
Self-cleaning	Programmable from 1 to 24 h			
Flow control	Flow sensor			
Operating hours counter	Yes, accessible by customer			
Production control	From 0 to 100%			
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time			
Salinity test	Detects g/l of salt (accuracy of ± 10%)			
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover			
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)			
Communications	MODBUS / WIFI			
Main control outputs	Filtration control / Lighting control / Heating control			
Additional control outputs	4 additional relay outputs configurable by the user			

HYDROLYSIS CELL

DESCRIPTION	UV 85	UV 125	UV 175	UV 250
Célula hidrólisis salina	7 titanium plates	10 titanium plates	13 titanium plates	17 titanium plates
Minimum flow	15 m ³ /h	15 m ³ /h	20 m ³ /h	30 m ³ /h
Plates sizes	400 x 90 x 19 mm	400 x 90 x 28 mm	400 x 90 x 38 mm	400 x 90 x 50 mm
Cell support material	Transparent PVC plastic			
Cell closure	Threaded for easy cell installation			
Pipe connection diameter	110 mm	110 mm	110 mm	140 mm
Dimensions millimeters	650 mm x 140 mm			760 mm x 140 mm
Cell cable	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 35) x 2 m	4 (1 x 50) x 2 m
Maximum pressure	4 Kg/cm ²			
Maximum temperature	Minimum 0° C / Maximum 45° C			

ULTRAVIOLET

DESCRIPTION	UV 85	UV 125	UV 175	UV 250
Nr. of uv systems	1	2	2	3
No. of lamps 55 w / u	2	4	4	6
Total watt disinfection	110	220	220	330
Minimum flow	36 m ³ /h	72 m ³ /h	72 m ³ /h	108 m ³ /h
Dimensions	1000 x 375 mm			
Connection	63 mm			
Material	UV resistant PVC			
Power supply	220 V - 50 Hz			

AQUASCENIC

LOW SALINITY ELECTROLYSIS,
HYDROLYSIS AND IONIZATION (Cu / Ag)

PUBLIC SWIMMING POOLS

REMOVABLE
**TOUCH
SCREEN**
INCLUDED



Non contractual photography

PUBLIC SWIMMING POOLS

Public swimming pools*	Model	Description	Components
65 m ³	HD 4	Hidrolisis 85 + Flocculation via ionization of Cu/Ag	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 8e
120 m ³	HD 5	Hidrolisis 120 + Flocculation via ionization of Cu/Ag	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 10e
250 m ³	HD 6	Hidrolisis 175 + Flocculation via ionization of Cu/Ag	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 12e
350 m ³	HD 7	Hidrolisis 250 + Flocculation via ionization of Cu/Ag	Electronic unit / Titanium cell / Transparent PVC support 140 mm / Ionization chamber 12e
500 m ³	HD 8	Hidrolisis 350 + Flocculation via ionization of Cu/Ag	2 electronic units / 2 cells titanio / 2 transparent PVC supports 110 mm / Ionization chamber 12e
750 m ³	HD 9	Hidrolisis 500 + Flocculation via ionization of Cu/Ag	2 electronic units / 2 cells titanio / 2 transparent PVC supports 140 mm / Ionization chamber 12e

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^{\circ} \text{ bathers}) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary intensity (see number under "DESCRIPTION")}$$



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Lightning
control



Redox measurement
and control (rX)



pH measurement
and control



Free chlorine
measurement and
control (Cl₂)

ELECTRONIC UNIT

DESCRIPTION	HD 4	HD 5	HD 6	HD 7	HD 8	HD 9
Intensidad	0-100%					
Salinity	From 1 g of NaCl/l					
Pool Volume m ³	125 m ³	250 m ³	350 m ³	500 m ³	700 m ³	1000 m ³
Display	4.3" TOUCH SCREEN removable screen for remote installation (12 languages)					
Power supply	220V 50/60 Hz					
Output	8-65 A	8-95 A	10-65 A	10-95 A	2 (10-65 A)	2 (10-95 A)
Maximum consumption	680 W	1000 W	1020 W	1500 W	1500 W	1500 W
Dimensions	300 x 550 x 250 mm					
Electronic unit	Black anodized aluminum					
Protection cover	Flame retardant plastic black ABS					
Control	Microprocessor 32 bits					
Intensity regulation	Amperage + Voltage					
Ventilation	Forced					
Self-cleaning	Programmable from 1 to 24 h					
Flow control	Flow sensor					
Operating hours counter	Yes, accessible by customer					
Production control	From 0 to 100%					
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time					
Salinity test	Conductivity indicator accuracy of ± 10%					
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover					
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)					
Communications	MODBUS / WIFI					
Main control outputs	Filtration control / Lighting control / Heating control					
Additional control outputs	4 additional relay outputs configurable by the user					

HYDROLYSIS CELL

HYDROLYSIS CELL						
DESCRIPTION	HD 4	HD 5	HD 6	HD 7	HD 8	HD 9
hydrolysis cell	7 titanium plates	10 titanium plates	13 titanium plates	17 titanium plates	2 x 13 titanium plates	2 x 17 titanium plates
Minimum flow	12 m³/h	15 m³/h	15 m³/h	20 m³/h	30 m³/h	40 m³/h
Plates sizes	400 x 90 x 19 mm	400 x 90 x 28 mm	400 x 90 x 38 mm	400 x 90 x 50 mm	2 cells HD 6	2 cells HD 7
Cell support material	Transparent PVC plastic					
Cell closure	Threaded for easy cell installation					
Pipe connection diameter	110 mm	110 mm	110 mm	140 mm	110 mm	140 mm
Dimensions millimeters	650 mm x 140 mm		760 mm x 140 mm		2 cells HD 6	2 cells HD 7
Cell cable	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	
Maximum pressure	4 Kg/cm²					
Maximum temperature	Minimum 0° C / Maximum 45° C					

IONIZATION CHAMBER

DESCRIPTION	HD 4	HD 5	HD 6	HD 7	HD 8	HD 9
Number of electrodes	8	10	12	12	12	12
Dimensions (length x Ø)	2 chambers of 4 electrodes	1 chamber of 6 e + 1 chamber of 4 e	2 chambers of 6 electrodes	2 chambers of 6 electrodes	2 chambers of 6 electrodes	2 chambers of 6 electrodes
Connection	2" thread (63 mm)					
Glass material	Transparent ABS					
Electrode material	Electrolytic copper and silver					
Installation	By-pass					

BIONET

ELECTROLYSIS AND IONIZATION (Cu/Ag)

PUBLIC SWIMMING POOLS

REMOVABLE
TOUCH
SCREEN
INCLUDED



Non contractual photography

PUBLIC SWIMMING POOLS

Public swimming pools*	Model	Description	Components
120 m ³	BIO 85	Salt electrolysis 85 g Cl ₂ /h + Flocculation via Cu/Ag ionization	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 8e
250 m ³	BIO 125	Salt electrolysis 125 g Cl ₂ /h + Flocculation via Cu/Ag ionization	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 10e
350 m ³	BIO 175	Salt electrolysis 175 g Cl ₂ /h + Flocculation via Cu/Ag ionization	Electronic unit / Titanium cell / Transparent PVC support 110 mm / Ionization chamber 12e
500 m ³	BIO 250	Salt electrolysis 250 g Cl ₂ /h + Flocculation via Cu/Ag ionization	Electronic unit / Titanium cell / Transparent PVC support 140 mm / Ionization chamber 12e
700 m ³	BIO 350	Salt electrolysis 350 g Cl ₂ /h + Flocculation via Cu/Ag ionization	2 electronic units / 2 cells titanio / 2 transparent PVC supports 110 mm / Ionization chamber 12e
1000 m ³	BIO 500	Salt electrolysis 500 g Cl ₂ /h + Flocculation via Cu/Ag ionization	2 electronic units / 2 cells titanio / 2 transparent PVC supports 140 mm / Ionization chamber 12e

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^{\circ} \text{ bathers}) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary production of gr/h for public swimming pools}$$



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Cells for
large pools



Redox measurement
and control (rX)



pH measurement
and control



Free chlorine
measurement and
control (Cl₂)

ELECTRONIC UNIT

DESCRIPTION	BIO 85	BIO 125	BIO 175	BIO 250	BIO 350	BIO 500
Intensidad	0-100%					
Salinity	From 3 g of NaCl/l					
Pool Volume m ³	120 m ³	250 m ³	350 m ³	500 m ³	700 m ³	1000 m ³
Display	4.3" TOUCH SCREEN removable screen for remote installation (12 languages)					
Power supply	220V 50/60 Hz					
Output	8-85 A	8-125 A	10-85 A	10-125 A	2 (10-85 A)	2 (10-125 A)
Maximum consumption	680 W	1000 W	1020 W	1500 W	2 x 1020 W	2 x 1500 W
Dimensions	300 x 550 x 250 mm					
Electronic unit	Black anodized aluminum					
Protection cover	Flame retardant plastic black ABS					
Control	Microprocessor 32 bits					
Intensity regulation	Amperage + Voltage					
Ventilation	Forced					
Self-cleaning	Programmable from 1 to 24 h					
Flow control	Flow sensor					
Operating hours counter	Yes, accessible by customer					
Production control	From 0 to 100%					
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time					
Salinity test	Conductivity indicator accuracy of ± 10%					
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover					
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)					
Communications	MODBUS / WIFI					
Main control outputs	Filtration control / Lighting control / Heating control					
Additional control outputs	4 additional relay outputs configurable by the user					

HYDROLYSIS CELL

HYDROLYSIS CELL						
DESCRIPTION	BIO 85	BIO 125	BIO 175	BIO 250	BIO 350	BIO 500
Célula hidrólisis	6 titanium plates	10 titanium plates	13 titanium plates	17 titanium plates	2 x 13 titanium plates	2 x 17 titanium plates
Minimum flow	12 m³/h	15 m³/h	15 m³/h	20 m³/h	30 m³/h	40 m³/h
Plates sizes	400 x 90 x 24 mm	400 x 90 x 34 mm	400 x 90 x 38 mm	400 x 90 x 50 mm	2 cells BIO 175	2 cells BIO 250
Cell support material	Transparent PVC plastic					
Cell closure	Threaded for easy cell installation					
Pipe connection diameter	110 mm	110 mm	110 mm	140 mm	110 mm	140 mm
Dimensions millimeters	650 mm x 140 mm		760 mm x 140 mm		2 cells BIO 175	2 cells BIO 250
Cell cable	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	
Maximum pressure	4 Kg/cm²					
Maximum temperature	Minimum 0° C / Maximum 45° C					














IONIZATION CHAMBER

DESCRIPTION	BIO 85	BIO 125	BIO 175	BIO 250	BIO 350	BIO 500
Number of electrodes	10	12	12	12	12	12
Dimensions (length x Ø)	1 chamber of 6 e + 1 chamber of 4 e	2 chambers of 6 electrodos	2 chambers of 6 electrodos	2 chambers of 6 electrodos	2 chambers of 6 electrodos	2 chambers of 6 electrodos
Connection	2" thread (63 mm)					
Glass material	Transparent ABS					
Electrode material	Electrolytic copper and silver					
Installation	By-pass					





MEASUREMENT OPTIONS

OPTIONAL AUTOMATIC CONTROLS

Product	Reference	Automatic controls	Description	Components
	CTS	Touchscreen	4.3" color touchscreen	Touchscreen / RS1SO
	B	pH control (acid)	Display and management of pH	Electronics (software/hardware) / 1 pH probe / 1 probe holder / 1 220 V output (includes pump connector) / Buffers
	BG	pH control (acid)	Display and management of pH	Electronic chip / 1 pH glass probe / 1 probe support / 1 probe by-pass holder / Buffers (ph7, ph10, Neutral)
	E	redoX control	Measurement and control of redoX value. Controls the on/off of the salt electrolysis	Electronics (software/hardware) / 1 redoX probe / 1 probe holder
	EG	redoX control	Measurement and control of redoX value. Controls the on/off of the salt electrolysis	Electronic chip / 1 redoX probe / probe support / 1 probe holder / Buffers (465mV, Neutral)
	H	Free Chlorine control	Measurement and control Free Chlorine (ppm's) of the water. Controls the on/off of the salt electrolysis	1 Free Chlorine measurer / 1 amperometric probe
	C	Free Chlorine control 4-20mA	Measurement and control Free Chlorine (ppm's) of the water. Control the setting in start and stop of salt electrolysis	1 Free Chlorine measurer / 1 potentiostatic probe
	I	Salinity control (Mlt must to be assembled in factory)	Measurement and control of conductivity value (mS)	1 220 V output (includes pump/automatic valve connector)
	J	Flow detector	Input for security mechanical flow detector to stop salt electrolysis when there is no flow	1 special double connector, electronic circuit, paddle plastic detector and support
	T	Temperature Module	Active filtration control by temperature (smart / intelligent / heating modes)	Temperature probe 1/2" / probe holder
	RS2WI RS2NET	WIFI Module ETHERNET Module	2016 models. Sends data by WIFI (for installations within range of WIFI signal) ETHERNET module (with cable- not included)	WIFI Module / 2 m wire / antenna WIFI ETHERNET Module / 2 m wire
	RS1 SO	Portable display holder	Wall mounting kit in order to position the color display externally	Black ABS housing / 10 m cable and connectors / cap for unit
	RS1 HDMI	HDMI Module	Displays ph, Free Chlorine... measures in HDMI screens. Includes temperature and humidity sensor. RS2WI REQUIRED.	Electronic unit and HDMI connector

DOSING PUMPS

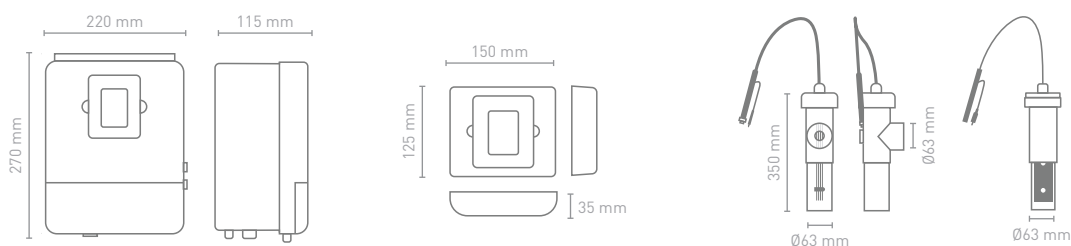
Product	Reference	Model
	KBPER	Peristaltic 1.5 l/h
	KB5-5	Electromagnetic 5 l/h

SELECTION OF YOUR EQUIPMENT IN 3 STEPS

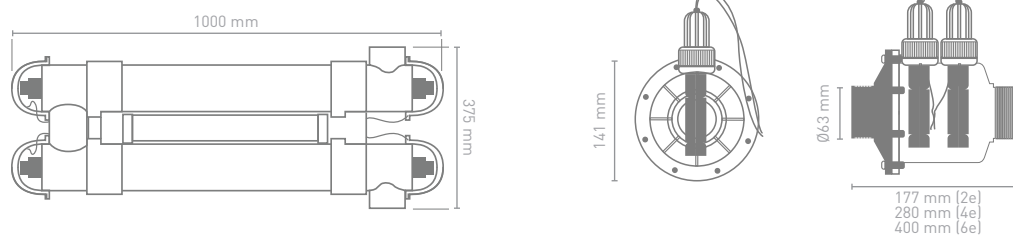
- CHOOSE YOUR ELECTRONIC BOX ACCORDING TO THE CHARACTERISTICS OF YOUR SWIMMING POOL (private outdoor or indoor swimming pool, public swimming pool, water temperature and m³).
- CHOOSE THE OPTIONAL AUTOMATIC CONTROL (no control, pH control, redox control, free chlorine control, salinity control and flow detector).
- CHOOSE THE RIGHT DOSING PUMP ACCORDING TO THE WATER VOLUME OF YOUR SWIMMING POOL.

ADVANTAGE COMPARATIVES BETWEEN ALL SYSTEMS

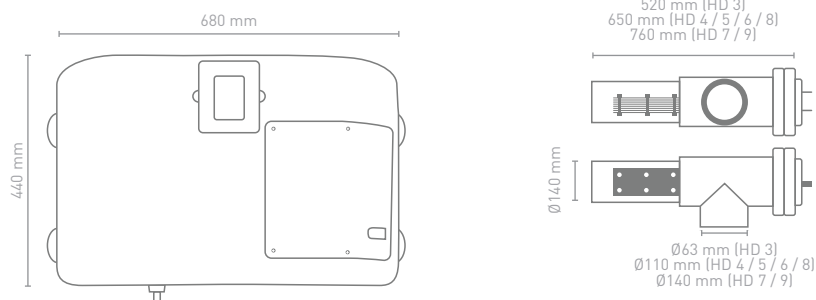
EQUIPMENT FOR RESIDENTIAL POOLS



OPTIONS FOR RESIDENTIAL EQUIPMENT



EQUIPMENT FOR COMMERCIAL POOLS



COMPARATIVES BETWEEN COMBINED ELECTROLYSIS SYSTEMS

DESCRIPTION	HIDROLIFE	OXILIFE	UV-SCENIC	AQUASCENIC	BIONET	HIDRONISER
Reduces the chlorine need	100 %	100 %	100 %	100 %	100 %	70 %
Eliminates chloramine and odors	•	•	•	•	•	
Anti-legionella			•	•	•	•
Flocculant			•	•	•	•
Algicide	•		•	•	•	•
Oxidation of radicals	•	•	•	•		•
It favors plant growth			•	•		
Harmless to health or the environment	•	•	•	•	•	
It favors tanning	•				•	
It works with seawater	•		•		•	•
No need to add salt to water		•		•		•

GENERAL SALES CONDITIONS

ART. 1/ SCOPE OF APPLICATION

Unless agreed otherwise, these conditions apply to all products sold by HAYWARD® IBERICA S.L.U. to its customers, whether or not those conditions are included in the catalogue.

ART. 2/ ORDERS

In order to avoid errors and provide a better service, orders must be made in writing using the descriptions and references that appear in our catalogue or price list. The seller's prior confirmation is required before orders are considered to be accepted.

ART. 3/ PRICE AND PAYMENT METHOD

The agreed prices are always understood to be for items (including packaging) located in our warehouses "EX WORKS as per INCOTERMS 2010", with all taxes, charges and expenses to be paid by the buyer. The prices included in the price list are recommended retail prices, which the company reserves the right to modify without prior notice.

Payment shall be made in cash. If another payment method is agreed, the promissory notes and other bills of exchange issued for acceptance must be returned to us with the corresponding acceptance within a period of 15 days from the invoice issue date. Delay in payment of sums owed, in whole or in part, or in accepting the bills shall give rise, unless otherwise stipulated, to late payment interest at the rate applied by the European Central Bank to its most recent main refinancing operation carried out before the first calendar day of the half-year plus eight percentage points, in accordance with Spanish Law 11/2013 and with equivalent European provisions.

Any amendment to the payment date or method must be authorised in writing by HAYWARD® IBERICA S.L.U. If another payment method is agreed, any failure to pay amounts due by the due date shall entitle HAYWARD® IBERICA S.L.U. to bring forward the due date of the entire outstanding debt, thus rendering the full amount payable, to halt the delivery of any items yet to be delivered and to allocate any amount received from the customer towards the debt and towards any interest and compensation for harm caused. The customer will pay HAYWARD® IBERICA S.L.U. a fixed sum of 40 euros, which will be added to the principal amount of the debt, and will refund to HAYWARD® IBERICA S.L.U. all recovery costs incurred on account of the late payment in excess of that fixed sum, in accordance with the provisions of the aforementioned Law 11/2013.

ART. 4/ DELIVERY AND TRANSPORTATION

The date and place of delivery are systematically the date and place when and where our goods are made available at our warehouses (Ex Works). The delivery dates communicated are for guidance only and the buyer expressly agrees that it will not take any action to which it may be entitled as a result of any delay, unless it has entered into a prior express written agreement to the contrary which specifies both the delivery date and the consequences of non-performance in this respect.

Goods shall always be carried on behalf of the buyer and at the buyer's risk, including prepaid freight. If, during the maximum period of one week following notification of product availability, the customer fails to reply in order to arrange delivery, the handover obligation shall be considered fulfilled, at which point any risk associated with the goods shall be transferred to the buyer. Time periods for bringing actions for protection against hidden defects or actions under warranty shall commence from the date the goods are made available.

ART. 5/ RETENTION OF TITLE

The seller shall retain title in the goods until the price of the goods has been fully paid within the agreed time period and may take back such goods until payment has been made without the need for any prior court order. The risks associated with the goods shall pass to the buyer once the goods have been made available to it, its agents or carriers and, as such, the buyer shall be liable for any impairment or damage. The seller reserves the right to cancel any transaction in the event of non-payment or late payment, or if the goods are not collected within a period of 15 days after they have been made available, or if the buyer is subject to any enforcement or insolvency proceedings, regardless of any claims for damages or expenses incurred in the collection of the goods.

ART. 6/ WARRANTY

All our products enjoy a two-year warranty against manufacturing defects with effect from the date of our sales invoice.

Notwithstanding the foregoing, the warranty period for fire-fighting equipment, pressure boosters and hydraulic electric pumps will be one year starting from the time they are commissioned, with a maximum of 18 months from the date the sales invoice for the product is sent to our customer.

Our products are items of equipment designed to be incorporated into systems. Our warranty covers only the replacement or repair (at HAYWARD® IBERICA S.L.U.'s choice) of the defective product where used under normal conditions and in accordance with the user manuals, except where the activation of the warranty proves to be impossible or disproportionate. The warranty does not include transport or travel costs or costs associated with replacement of the item. Actions carried out under the warranty will not have the effect of extending the warranty. No compensation can be claimed in respect of damage or loss suffered or on any other grounds. This warranty will only apply if invoices have been settled on the contractual due dates. HAYWARD® IBERICA S.L.U. accepts no liability for direct and indirect damage of any kind resulting from the incorrect installation, connection or operation of a product. The warranty does not cover faults and damage caused by normal wear and tear or by accidents caused by an external factor or those attributable to incorrect storage, commissioning or maintenance of the product. Similarly the warranty will not apply if the product has been repaired or handled by an unauthorised person or repaired using non-original parts.

ART. 7/ CLAIMS, CANCELATIONS AND RETURNS

Orders that have been fully or partially accepted may not be terminated or cancelled without the seller's approval. If they are terminated or cancelled without the seller's approval the buyer must pay compensation amounting to 50% of the goods affected, regardless of any damage caused.

If a product is alleged to be defective, returns or claims for visible defects shall only be accepted within three days of receiving the goods. In order to improve the service, if the defect is clearly visible or if the packaging has been damaged in some way, in order for the return or claim to be accepted the addressee must make a note of the damage observed on the carrier's delivery note and send us a copy of it, along with a copy of the written communication sent to the carrier indicating the defects observed. Only defective products can be returned. Any such items returned must be sent by prepaid freight in the original packaging, with the return noted on a delivery note and a document indicating the reasons for return, serial number (if there is one), invoice number and the order and the initial delivery dates.

ART. 8/ JURISDICTION AND APPLICABLE LAW

Any dispute between the parties shall be submitted to the exclusive jurisdiction of the Courts where HAYWARD® IBERICA S.L.U. has its head office.

The company is not liable for any inaccuracies in this price list due to printing or transcription errors and reserves the right to amend the products or this document as it deems necessary without giving prior notice. The pictures, images and text included in our leaflets and advertising material are for guidance only. They are not considered to be contractually binding and may be modified without prior notice.



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