

DESIGN
MANUFACTURING



ELECTRICAL BOXES
AND REGULATION

LIGHTING

WATER
TREATMENT

PROFESSIONAL CATALOG



New Products

FROM OTHER ACWA GROUP COMPANIES

FROM *acis*



MKB VS ON.E

MKB VS with control via the On.e application



2-STAGE filter wall

The underground service unit for rapid installation



MKB VV-TOUCH

MKB VS with on-pump control via touch screen



BACKWEL

Cartridge filtration ideal for recycling sand filter water



SKIMIBAG

A400 skimmer with weltibag pre-filtration system



CCS

New front designs

AND THE CONSTANT EVOLUTION OF OTHER PRODUCTS:

- *Elégance spotlight renovation kit, ideal for replacing 300 W spotlights*
- *Elégance bottom drain available in grey, anthracite and sand*
- *Development on the nozzles and jumper block fasteners*
- *Development on the junction box*
- *Welclean filter cleaner*

FROM *BIO-POOL*

YnBlue

All-in-1 system with automated pool equipment management



REGUL'OX

For water quality control



Photometer



Redox 650 mv calibration solution

AND THE CONSTANT EVOLUTION OF OUR EXISTING PRODUCTS:

- *New designs for Saltline and Evolu'sel lexans*
- *New chlorinator models for small pools*
- *New flow rate for our regulus pH correction pumps*
- *Suction fitting and low-level contact on our injection rods*

1 GROUP ACWA

3 COMPANIES, 3 SETS OF EXPERTISE:



Saint-Philbert-de-Grand-Lieu, France (44)

Manufacturing
Customer service
Engineering department
& Product Design



Creysse, France (24)

Manufacturing
Customer service
Engineering department
& Product Design



Plaisance (31)

Manufacturing
Customer service
Engineering department
& Product Design

Engineering department

dedicated to connected products



6 people

Pessac (33)

+6 people on different sites



A joint sales and marketing team

POOL EQUIPMENT	SERVICE UNIT	SWIM AND HYDROTHERAPY	ELECTRICAL & CONTROL PANELS	LIGHTING	SALT WATER CHLORINATORS	COMPATIBLE CELLS
 55,000* skimmers 40,000* LEDs	 45,000* pumps	 5,000* CCS/ Hydrotherapy Units	130,000* boxes	8,000* LEDs	8,000* devices	22,000* cells

6 ranges of connected products

e.Dro

Blueswim

On.e

WA'YnE

Hydrapool

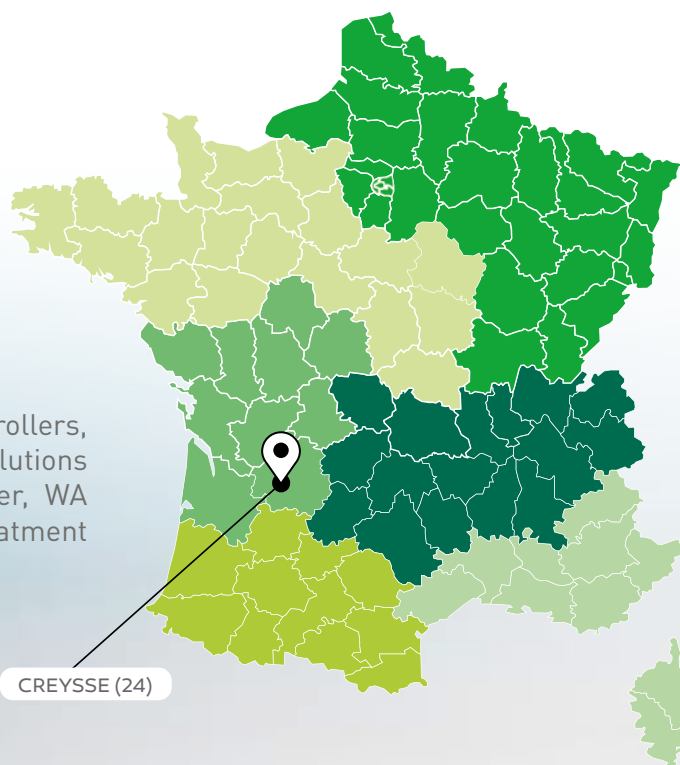
YnBlue

* 2022 figures



DESIGNER & MANUFACTURER OF ELECTRICAL SOLUTIONS

Since 1992, as a manufacturer of electrical boxes and controllers, our main activity was focused on the design of electrical solutions for private and public swimming pools. A few years later, WA Conception diversified its offering with lighting and water treatment products.



CREYSSE (24)

ELECTRICAL BOXES

REGULATION

TREATMENT

LIGHTING

more than
130,000

boxes produced
in 2022

30

years' experience

OUR SERVICES



+ a range of
connected products
in the connected
pool brochure



Customized
consultation for your
electrical boxes



Free quotation within
24-48 hours depending
on complexity



Telephone support



Integrated
after-sales service

5 reasons to work with WA Conception

30 YEARS OF KNOW-HOW

Designing and manufacturing innovative, reliable products is WA Conception's core.

Year after year, we expand our expertise in different areas of swimming pool equipment.

3 ambitions drive us:

IMAGINATION

DESIGN

MANUFACTURING

PERFORMANCE & QUALITY

Recognised for the quality of its products and the reliability of its components, our company is committed to providing its customers with a reliable and efficient service, custom manufactured products, and full compliance with standards and deadlines.

WA Conception also offers a range of chlorinators and electrolysis cells developed in cooperation with BIO-POOL.



RESEARCH & INNOVATION

We put our know-how to work for you, proposing new developments and innovations. Our closeness to the field and your feedback help to fuel our creativity.

Our team of engineers is constantly improving our ranges to meet your needs. These products are real innovations, often backed by patents.



RANGE OF CUSTOMISATIONS

- **Our products your way:** Don't hesitate to submit your product customization needs (packaging, leaflets, product sheets, videos, etc.)

PRESENCE & SERVICES

- **1 professional area** to find manuals, visuals, installation advice, spare parts...
- **Training:** our technical sales staff will help you learn more about our products during themed training days...



1 TEAM AT YOUR SIDE!



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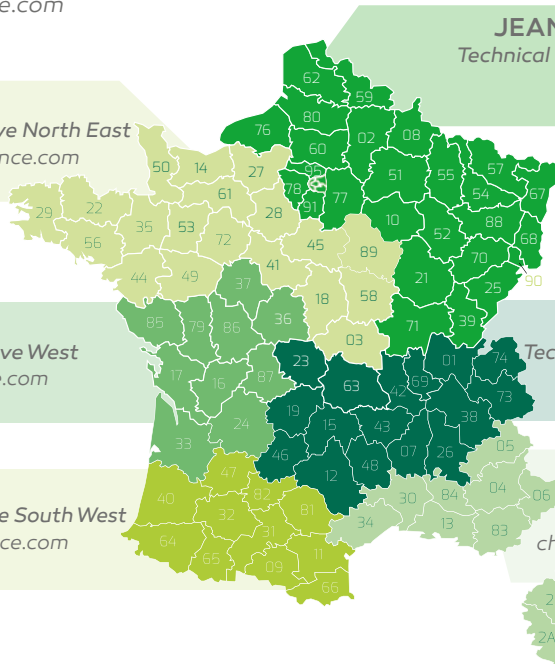
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Download the after-sales procedure



WA CONCEPTION WITH YOU



Follow WA conception
on social networks!



NEW

TUTORIALS

Watch our videos

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OUR EXPERTISE

MANUFACTURING AND CUSTOMIZING ELECTRICAL BOXES

To meet your needs, our electrical boxes are customizable and produced in accordance with industry standards without any impact on delivery times.

All our electrical boxes are manufactured in accordance with the two applicable low-voltage standards:

- EN 61439-1
- EN 61439-3



1. STRAND OF WIRES

Box assembly with stranded wires in different colors, making it easy to identify components for installation and maintenance.

2. ADDITIONAL MODULE

Additional feeders can be added to create a compliant installation.

3. GROUNDING STRIP

Key component of an electrical box for high-quality installation.

4. CONTACTOR

Can be used to interrupt or establish the power flow and therefore to turn on or off the equipment.

5. CABLE DUCTS

Cables ducts mounted making it easy to guide cables through the box (depending on the version).

6. MOTOR PROTECTION(S)

Integrated and mounted in all WA enclosures
Design according to pump capacity.

7. TIMER

Timers with or without power reserve.



EXAMPLE OF A FILTRATION BOX (PRIVATE POOL)



NEW



No more fuse boxes...

À from the 2024 season onwards, all fuse boxes will be replaced by **circuit breakers** in our electrical boxes.

NEW
CIRCUIT
BREAKER



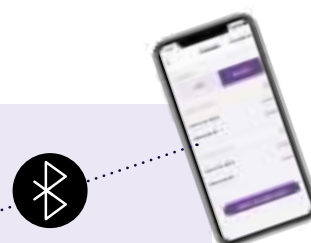
The module On.e

This **Bluetooth®** connected module replaces the contactor, switches and mechanical clock of the classic box. It enables **control** of the **pump** and the **lighting** from your **smartphone** when nearby the pool.

TUTORIALS



YouTube



CONTROL FILTRATION
WITH THE BUTTON

THE MODULE DELIVERED ASSEMBLED IN A WA DESIGN BOX

OR

THE KIT MODULE FOR INSTALLATION FOR EXISTING ENCLOSURES



connected and ready for use on request in all WA Conception single-phase classic electrical boxes.

Ideal for renovations, give your old systems Bluetooth® connectivity



REMOTE OPTION

((wifi)) or 

Link an On.e Connect to your On.e installation to switch to remote management.

- Easy to install, close to the home box.
- Radio connection + Wifi, wireless (and ethernet).
- MKB Vs On.e pump compatible, available from ACIS

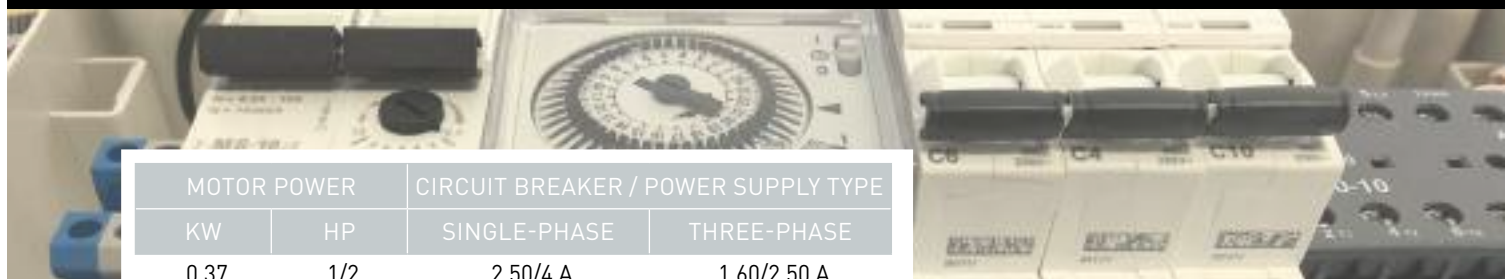


NEW
OPTION
REMOTE

GOOD TO KNOW

BEFORE CHOOSING YOUR ELECTRICAL BOX

► CIRCUIT BREAKER SELECTION

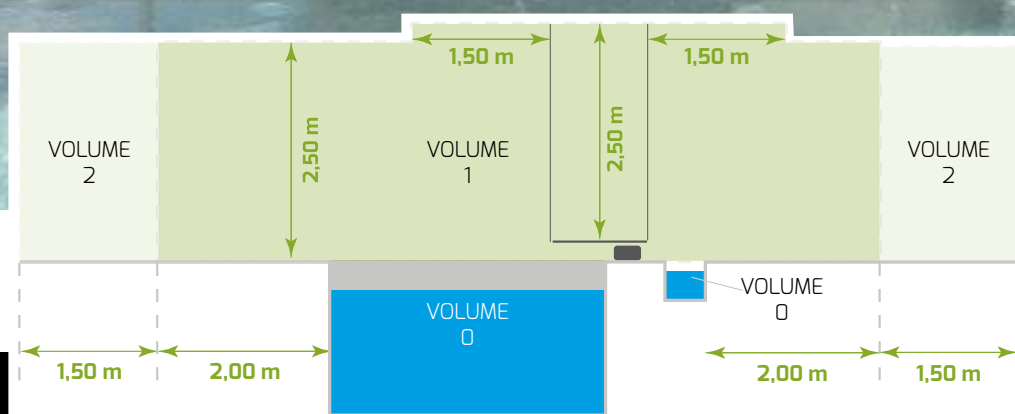


MOTOR POWER		CIRCUIT BREAKER / POWER SUPPLY TYPE	
KW	HP	SINGLE-PHASE	THREE-PHASE
0.37	1/2	2.50/4 A	1.60/2.50 A
0.55	3/4	4/6.3 A	1.60/2.50 A
0.75	1	4/6.3 A	2.50/4 A
1.10	1.50	6.30/10 A	2.50/4 A
1.50	2	6.30/10 A	2.50/4 A
2.20	3	9/14 A	4/6.30 A

→ MOUNTED BY DEFAULT, IF MOTOR POWER IS NOT SPECIFIED WHEN ORDERING

Select your product according to the motor voltage - 230 V (single-phase) or 400 V (three-phase).

► ELECTRICAL SAFETY ZONES - C 15-100 STANDARD



The dimensions can be measured while taking into account interposed lagging partitions and walls

Volumes 0 and 1

→ Only equipment supplied with a nominal voltage of less than or equal to 12 V AC and less than or equal to 30 V DC is permitted. The power supply of this equipment (eg.: lighting projector transformer) will be positioned outside of zones 0, 1 and 2.

Zones 2

→ One of the following safety measures must be applied: power supply using an extra-low voltage source* - or protection using a differential device less than or equal to 30 mA - or power supply by isolating transformer*.

*Located outside zones 0, 1 and 2.

► PROTECTION INDEX (PI)

The IP protection rate is an international standard. It is used to **classify how well equipment's protection level** against the intrusion of solids and liquids.



IPXX - 1 ST DIGIT (SOLIDS)	IPXX - 2 ND DIGIT (LIQUIDS)
0: NO PROTECTION	0: NO PROTECTION
1: PROTECTED AGAINST PARTICLES > 50 mm	1: PROTECTED AGAINST VERTICALLY FALLING DROPS OF WATER
2: PROTECTED AGAINST PARTICLES > 12.5 mm	2: PROTECTED AGAINST VERTICALLY FALLING DROPS OF WATER WHEN TILTED (UP TO 15°)
3: PROTECTED AGAINST PARTICLES > 2.5 mm	3: PROTECTED AGAINST VERTICALLY FALLING DROPS OF WATER WHEN TILTED (UP TO 60°)
4: PROTECTED AGAINST PARTICLES > 1 mm	4: PROTECTED AGAINST SPLASHES OF WATER
5: PROTECTED AGAINST DUST	5: PROTECTED AGAINST JETS OF WATER
6: COMPLETELY PROTECTED AGAINST DUST	6: PROTECTED AGAINST HIGH PRESSURE JETS OF WATER
	7: PROTECTED AGAINST IMMERSION
	8: PROTECTED AGAINST IMMERSION FOR LONG PERIODS

► KERAUNIC ZONES (DAYS WITH THUNDERSTORMS)

Map of France

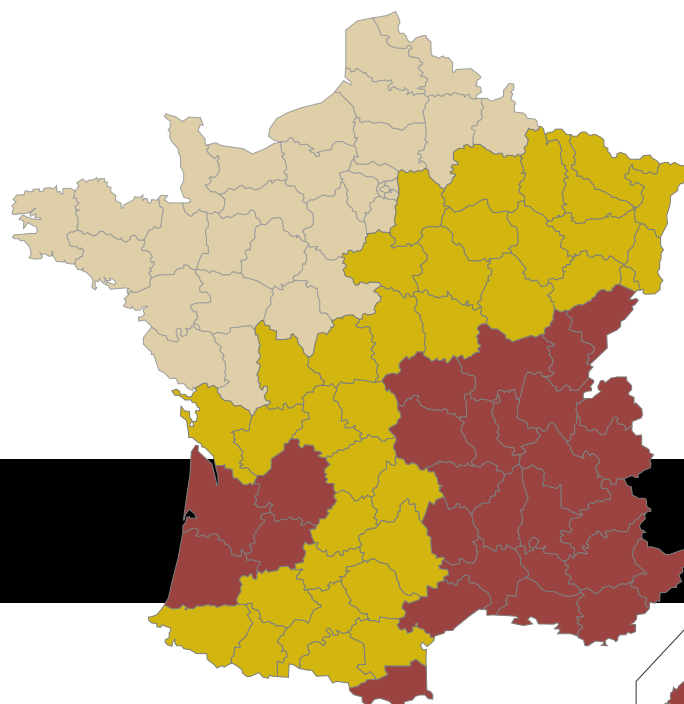
VISUAL REPRESENTATION OF THE KERAUNIC LEVEL (Nk) BY DEPARTMENT

This keraunic level is defined as the number of thunderstorm days per year. Lightning density (Ng) is defined as the number of lightning impacts per km² and per year. This can be calculated by dividing Nk by 10.

Nk < 15

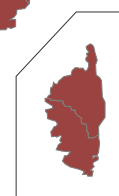
15 > Nk < 25

Nk > 25



SEE LIGHTNING PROTECTION
ELECTRICAL BOX P.47

 St Pierre and Miquelon / Reunion Island
 French Guiana / Martinique / Guadeloupe



Comparison of connected solutions

	p.22		p.24		
					
		EO	PILOT	COVER	TUNABLE
Type of connexion	Close-range Bluetooth connectivity  Bluetooth®				
		Optional remote ((wifi))			
Possible functions (ON/OFF/AUTO management as a minimum)					
Pump	 standard	 standard			
Thermoregulation					
Lighting					
Heat pump		 or			
Salt water chlorinator					
Cover					
Configurable auxiliary output					
View information					
Pump status					
Lighting status					
Cover status					
Air & water temperature					
Available version					
Module kit for DIN rail mounting	✓	✓	✓	✓	X
Free-standing control unit	X	✓	✓	✓	✓
Mounted as standard in a WA box	✓ and Axon.e boxes	✓	✓	✓	X
Navigation					
From a smartphone	✓	✓	✓	✓	✓
From the module or control unit	✓	✓	X	X	✓

	p.14 e.Dro	p.18 WA'Yne electrical box + Ynblue	p.20 Hydrapool		
Type of connexion	close-range  Bluetooth Remote (((wifi))) optional	Remote (((wifi)))	Remote (((wifi))) 		
SOLUTION TYPE	 Connected electrical box + connected relay or socket	 Connected control panel with Ynblue technology + 2 dosing pumps and protection	 Box to be connected to electrical box		
	Innovative equipment connection: less wiring, more simplicity	2-in-1 solution for all water treatment needs	Professional installation only		
	Upgradability	✓	solar heater	X	
Compatibility	Adapts to all types of equipment, all brands, for renovation or new-build				
FEATURES					
On / OFF / Clock	 Variable-speed or standard filtration pump	 Lighting	 Heat pump	 Thermoregulation	 Blower, CCS, robotic cleaner, auxiliary output
	 cover (secure control)	X	X	X	X
Information and measurement statement	Condition of pool equipment: pump, lighting, cover			pH, Redox, T° air and water	
	X	✓	X	X	X
Weather forecast	X	✓	X	X	X
Configurable auxiliary output	Other auxiliary products	6 auxiliary outputs	1 auxiliary output	1 auxiliary output	1 auxiliary output
WATER TREATMENT					
Water treatment	electrolysis and/or chL	electrolysis, chlorine, oxygen (depending on version)	electrolysis, chlorine, bromine	electrolysis, chlorine, bromine	electrolysis, chlorine, bromine
pH regulation	automatic pH control and dosage				
NAVIGATION					
Mobile application	✓				
Box or electrical box screen	touch-screen	touch-screen	Case button	Case button	Case button
Pool professionals space	via pool sharing	✓	✓	✓	✓

e.Dro



The **intelligent** electrical box with **no equivalent** on the market



Intelligence

Thanks to its continuous analysis of the pool, **management is automated** and under permanent control

Coordination

Truly a multifaceted device, it operates **the various servo-controls in relation to each other.**

Simplicity

Wireless connection thanks to secure radio network technology.

Made-to-measure

Quickly and easily add new equipment over time

Compatibility

With all market equipment and all pool configurations.

Savings

Lower energy consumption in water and electricity.

Configure your own e.Dro box to suit the configuration of your site and existing equipment

e.Dro and its radio relays simplify your electrical installation.

- 1 radio relay = 1 connected device
- Communication between them via the secure e.Dro network



RADIO RELAY on din rail



RADIO SOCKET

Good to know

Depending on the existing installation in the service unit, and especially in the case of renovation work, radio sockets can be added to the radio relays.

Equipment control WITHOUT WIRING



e.Dro Sense

Battery- or mains-powered sensor box
+ Door optional probe (SANE7)



e.Dro Cover

Housing for 230 V underwater cover or 24 V above-ground shutter



e.Dro injection

Chlorine or pH injection pump
+ Optional rod + injector



e.Dro heat pump

Heat pump control box



e.Dro Salt

Chlorinator housing
Available from summer 2024

Take note! All standard equipment on the market can be controlled without wiring!

PRACTICAL!

Configure your e.Dro online and download your quote in 5 minutes!



For professionals

Provide **fast** and **customized service** to your customers



by optimizing **storage** of **e.Dro products** (electrical boxes, relays, sockets...)

Control settings and manage the ecosystem

Manually from the service unit



- 4" color touch screen
- Intuitive setting and navigation

OR



With the free ACWA CONNECT application

- Real-time control of pool equipment
- Didactic interfaces for setting equipment parameters
- Close to the pool using Bluetooth 5.0



Features



Water treatment automation



Real-time equipment status



Access to a complete daily history



Equipment control and configuration



Alert and notification settings



Share the application with the person(s) of your choice or with professionals: Professionals can remotely manage one or more pools (**e.Dro Connect required**).



Step-by-step guided implementation (via video tutorials)



OPTIONAL

No need to be close to the pool!

Chlorine level, pH, water temperature... keep an eye on all your pool's parameters remotely, so you can keep your water clear, even when you're away.



The box for Wifi remote pool management

FOR PROFESSIONALS

Keep in better touch with your customers!

You can manage several pools via the mobile application. Information is collected in real time, enabling you to adjust them remotely if necessary.



Find out more at
www.e-dro.io





e.Dro electrical box

e.Dro electrical box: Filtration + 100 or 300 VA lighting. 4" color touchscreen, Bluetooth® 5.0 technology and Application.

+ e.Dro intelligence integrated as standard to create a customizable network.



good to know!

The e.Dro box can be delivered assembled and wired according to the defined configuration, and can be extended as required!

All that's left for you to do is commission the system at your customer's premises!

CODE	DESIGNATION
710001	e.Dro electrical box - lighting 100 VA
710003	e.Dro electrical box - lighting 300 VA
710009	e.Dro Extension box

Radio relays

DIN rail-mounted, power management of the connected device, safety with protective circuit breakers (supplied).



730001	e.Dro Standard filtration relay
730002	e.Dro Filtration VS relay
730003	e.Dro Blower relay
730004	e.Dro CCS relay
730005	e.Dro hydraulic Robotic cleaner relay
730006	e.Dro Chlorinator relay
730007	e.Dro pH Injection Relay
730008	e.Dro Chlorine Injection Relay



Radio sockets

Receive the various network devices and communicate with each other via the e.Dro electrical box.

720001	e.Dro plug Standard single-phase filtration
720002	e.Dro Filtration VS socket
720003	e.Dro Blower socket
720004	e.Dro CCS socket
720005	e.Dro Hydraulic Robotic Cleaner socket
720006	e.Dro Chlorinator socket
720007	e.Dro pH injection socket
720008	e.Dro Chlorine injection socket



e.Dro Cover

Radio control unit (no wiring required) for cover status (closed/open) and secure control via the application.

740001	e.Dro 24 V above-ground cover box
740002	e.Dro 230 V submerged cover box



e.Dro Sense

A box that receives and transmits the following information to the e.Dro electrical box, without wiring, by radio: Water T°, pH level, Redox level, flow sensor (battery-operated (supplied) or powered).

780002	e.Dro Sense box + Water temperature probe + Flow sensor
--------	---



e.Dro Connect

Box allowing you to connect to and remotely manage the pool as well as share it (family, friends, pool professionals, etc.). Radio + Wifi, wireless (and ethernet).

760001	e.Dro Connect box
--------	-------------------



e.Dro heat pump

Radio relay (wireless) to be integrated in or on the heat pump, to control the heat pump by communicating with the e.Dro electrical box.

750001	e.Dro heat pump box
--------	---------------------



e.Dro Air

Wireless air temperature probe - direct communication with the e.Dro electrical box (battery-operated - supplied).

780003	e.Dro Air temperature probe box
--------	---------------------------------

Recommended products for the e.Dro range:



Sane-7

Accessory holder for measuring and injection devices

- pH probe & Injection
- RX probe
- Chlorine injection
- Flow sensor
- Water T° probe
- (Supplied with grounding electrode)

SANE-7	Measuring vessel - Accessory holder
OTHER ACCESSORIES	
780004	pH sensor + Calibration solution
780005	Redox probe + Calibration solution



e.Dro injection pump

Dosing pump (pH or chlorine) Design e.Dro for radio relay (without cable or plug) or for radio socket (with cable & mains plug)

790002	e.Dro chlorine injection pump - plug
790003	e.Dro chlorine injection pump - relay
790004	e.Dro pH injection pump - plug
790005	e.Dro pH injection pump - relay

Coming soon...

e.Dro Salt

Radio-controlled chlorinator integrated into an in-line cell for electrolysis production.
Available summer 2024





NEW!

Automated pool equipment management: compatible with all brands



A MORE
ENERGY-EFFICIENT
POOL



CLEAN WATER IN
ALL CIRCUMSTANCES

PEACE OF MIND FOR AUTOMATED MANAGEMENT

- Less time spent monitoring and adjusting water quality: **automated maintenance is simpler and faster.**
- A simple, connected system with voice control and connected watch
- **Centralize the management** of your pools via the professional area: optimize your time and boost customer satisfaction!

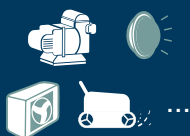
A MORE SUSTAINABLE POOL

- Optimized consumption of water, energy and cleaning products

SIMPLE & UNIVERSAL INSTALLATION

- Suitable for pools undergoing renovation or new-build and compatible with all brands of equipment
- Automates all types of **water treatment** chlorine, electrolysis, active oxygen

RELIABLE, CONTINUOUSLY MONITORED WATER TREATMENT



8 dry-contact relays (including 2 dosing pumps) 10 A configurable

- Standard or variable speed filter pump
- salt water chlorinator
- Heat pump heating, solar heating system...
- multicolor LED spotlight,
- CCS, robotic cleaner, ..



System compatible
with all water
treatments:
chlorinator, chlorine,
oxygen...

One or two (depending
on version) **peristaltic
pumps 5 l/h integrated
and configurable** :
pH+, pH-, chlorine,
oxygen, stabilizer,
flocculant, anti-algae



3-parameter
analysis chamber
(pH / redox / T° water)
integrated injection
kit

Secure injection
(priority mode,
no simultaneous
injection)



Anticipate
automatically pool
treatment based on
the 3-day weather
forecast.

Adjustment to the
pool **attendance
rate** entered in the
application.



Automatic calculation
of filtration time
according to: weather,
sunrise/sunset time,
water temperature,
number of visitors

Overdosage alarm

**Empty container
alarm**

Frostprotection



Galvanically isolated BNC connector for:

- pH probe,
- redox probe
- digital temperature probe



Standard or variable speed pump control



CHARACTERISTICS

- 30 mA differential
- PC 230 V 16 A permanent
- Heat pump start Curve D 20 A (default).
- Other wattages on request
- Outgoing 230 V 10 A standby
- 230 V chlorinator supply
- 100 VA or 300 VA transformer
- Motor(s) protection
- YnBlue card

ACCESSORIES SUPPLIED WITH THE KIT

- T° numeric probe
- pH probe
- RX probe
- Analysis and injection chamber
- Accessories



LOCAL CONTROL VIA TOUCHSCREEN

digital and multilingual
easy equipment set-up

REMOTE CONTROL VIA SMARTPHONE OR PC

integrated wifi module
Free multilingual application



Professional area



Also available on
connected watches

REFERENCES	DESIGNATION
YN-100-SYLVER	100 VA/12 V filtration box with connected Ynblue + PH dosing unit + analysis chamber + Ph/Rx/T° probe + various protections
YN-100-GOLD	100 VA/12 V filtration box with connected Ynblue + PH and Chl doser + analysis chamber + Ph/Rx/T° probe + various protections
YN-300-SYLVER	300 VA/12 V filtration box with connected Ynblue + PH doser + analysis chamber + Ph/Rx/T° probe + various protections
YN-300-GOLD	300 VA/12 V filtration box with connected Ynblue + PH and Chl doser + analysis chamber + Ph/Rx/T° probe + various protections
WITH SECOND PUMP	
YN-100-2P-SYLVER	Filtration box + second 100 VA/12 V pump with connected Ynblue + PH dosing unit + analysis chamber + Ph/Rx/T° probe + various protections
YN-100-2P-GOLD	Filtration box + second 100 VA/12 V pump with connected Ynblue + PH and Chl dosing unit + analysis chamber + Ph/Rx/T° probe + various protections
YN-300-2P-SYLVER	Filtration box + second 300 VA/12 V pump with connected Ynblue + PH dosing unit + analysis chamber + Ph/Rx/T° probe + various protections
YN-300-2P-GOLD	Filtration box + second 300 VA/12 V pump with connected Ynblue + PH and Chl dosing unit + analysis chamber + Ph/Rx/T° probe + various protections



COMPLETE REMOTE
SOLUTION

HYDRAPPOOL

REMOTE POOL MANAGEMENT SOLUTIONS FOR
PROFESSIONALS AND PRIVATE OWNERS

The HYDRAPPOOL application provides you with 360° and 24/7 control of pool equipment whatever the brand may be (no need for compatibility).

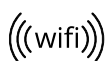
With configurable alerts and its customizable functionality, the application is designed to meet everyone's needs. HYDRAPPOOL helps professionals to avoid unnecessary travel and to monitor their swimming pools in real time using remote management.



HYDRAPPOOL electrical box + HYDRAPPOOL Connect control unit + application



long-range communication
without interference



Connect to your home's WiFi
network with the Hydrapool
Connect box

Hydrapool x YouTube

SEE HYDRAPPOOL IN A VIDEO



- Treatment timer (weekly programming)
- 15-minute forced filtration after pH adjustment
- Priority automatic control
- Variable speed pump management
- 1 configurable auxiliary contact (e.g. with or without timer)
- Can be used directly from the Hydrapool electrical box if the Internet is down
- Single-phase pump control, max. 7 A. Three-phase version on request, please contact us.

FEATURES

TAKE READINGS AND CHECK OPERATING STATUS:



PUMP STATUS
OPERATING MODE,
CURRENT CONSUMPTION



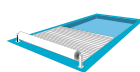
LIGHTING



AIR & WATER
TEMPERATURES



SYSTEM PRESSURE



SHUTTER
> OPEN OR CLOSED



PH+ OR PH- CONTROL

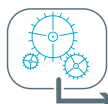


WATER DISINFECTION
CHL/CHLORINATOR/BROMINE



EMPTY DRUMS
INFORMATION

CHECK THE APPLIANCES:



AUXILIARY OUTPUT
> BOOSTER, WATER BLADE,
OUTDOOR LIGHTING...



STANDARD OR
VARIABLE-SPEED PUMP
> ON/OFF/TIMER/
THERMAL CONTROL



LIGHTING
> ON/OFF/CLOCK
> COLOR MANAGEMENT



HEAT PUMP
> WATER T°



PH REGULATION
> PH VALUE



WATER DISINFECTION

SECURE THE INSTALLATION:



OVERCURRENT MOTOR
PROTECTION



CIRCULATION FAULT
> LOW PRESSURE OR CLOGGED
FILTER



SAFETY THRESHOLD
> WATER T° / REDOX / PH



EMPTY DRUMS
INFORMATION



WINTERING

PROFESSIONAL / INDIVIDUAL ACCESS



Professionals and individuals can easily be linked or be unlinked to/from one another at any time.



Individuals can manage their pool effortlessly via either a computer or a smartphone (iOS or Android), or remotely using an Internet connection.

Configurable alarms and notifications provide them with ultimate pool equipment safety and operation.

Individuals can also be linked to professionals to have them manage their pool.

Professionals have a complete overview of their swimming pools from a computer or smartphone (iOS - Android).

Thanks to alarm and notification features, a professional can manage their swimming pools without any unnecessary travel and monitor them in real-time.

They can be linked or unlinked from an individual at the click of a button.

Hydrapool components



HYDRAPOOL main box for single-phase pump, Max 7 A.

+



The HYDRAPOOL Connect control unit

+



Air T° probe

+



Water T° probe with Ø50 saddle clamp

+



Pressure sensor with G1/4" union + Ø50 saddle clamp with M1/2" x F1/4 reducer

+



Free access to the web and mobile application, server, remote connection

CODE	DESIGNATION
HYDRAPOOL	The HYDRAPOOL solution: the electrical box / 1 HYDRAPOOL Connect control unit / air & water probe / pressure sensor / web and mobile application

FEEDBACK KITS

HYDRA-PH	PH Kit: pH probe/saddle clamp Ø50/ 2 calibration solutions
HYDRA-REDOX	Redox Kit: Redox probe/saddle clamp Ø50/ 1 calibration solution



pH OR CHLORINE CONTROL / DOSING

HYDRA-INJECTION	Injection kit and pH or chlorine: rod with float / injector / saddle clamp / 4 m of piping
HYDRA-DOSEUSE	Dosing pump kit for pH or chlorine: Dosing pump on box for pH or chlorine



ELECTRICAL PROTECTION

3 OPTIONS AVAILABLE (OTHER TRANSFORMERS ON REQUEST)

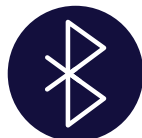
COF-HYDRA-1	Basic protection box: HYDRAPOOL + 100 VA lighting
COF-HYDRA-2	Protection box of elements: HYDRAPOOL + 100 VA lighting + pH + chlorine
COF-HYDRA-3	Protection box of elements: HYDRAPOOL + 100 VA lighting + pH + chlorine + heat pump + cover + socket + 30 mA differential switch

Three-phase on request





THE CONNECTED VERSION OF THE STANDARD BOX



With Bluetooth® 5.0 for greater range



((wifi)) or  when connected with a Connect



Easier than a pin clock!



TUTORIALS
 YouTube

This Bluetooth-connected relay (or module) replaces the electromechanical timer + contactor + switches used to control the **pump and lighting**.



Switches



Electromechanical timer



Contactor

=



=



1 MODULE



1 APPLICATION
(6 languages)



Bluetooth 5.0



THE ON.E SOLUTION IS AVAILABLE IN SEVERAL VERSIONS TO SUIT ALL USES:

- Pre-assembled or installable modules
- The module is delivered assembled in a WA CONCEPTION box
- The module fitted as standard in Axon.e electrical boxes

Space-saving in the electrical cabinet



After



Before

≡ MODULAR:

- Replaces the classic lighting remote control with a smartphone
- Up to 3 modules can be added to the same application
- Pump control and power lighting: no contactor

≡ FUNCTIONALITIES:



- ✓ Supply a pump (single-phase up to 2 HP)
- ✓ Programming of filtration schedules
- ✓ Can be controlled using the ON/OFF/AUTO button on the front panel



- ✓ Lighting control
- ✓ Day/week/calendar programming of lighting



- ✓ Add a new product

1 ON.E - KIT MODULE FOR INSTALLATION



IDEAL FOR RENOVATION!

The On.e module kit can be installed in any existing electrical box, without dismantling the existing clock (in parallel) or next to it.

- QUICK INSTALLATION ON DIN RAIL
- EASY INSTALLATION WITH FITTINGS INCLUDED IN THE KIT



CODE	DESIGNATION
ON.E	On.e module for installation in an existing electrical box

2 DELIVERED ASSEMBLED IN A WA CONCEPTION BOX



TURNKEY SOLUTION!



The On.e module can be mounted in all standard WA single-phase electrical boxes (three-phase on request). The On.e solution is connected and ready to use.

- ASSEMBLY TREATMENT ON REQUEST. - CONTACT US

3 AXON.E - ON.E FITTED AS STANDARD

THE CONNECTED VERSION OF THE STANDARD BOX

- **ABS boxes. IP55** comes with **assembled cable ducts**
- Enclosure equipped with 4/6.3 A **thermal-magnetic circuit breaker(s)** (other circuit breakers on request, max 10 A or single-phase 2 HP pump). Three-phase on request)



EASY WALL MOUNTING
thanks to the clip-on rear wall bracket



AXON.E 100 / 300

- Filtration + lighting
- H.350 x W.250 x D.106 mm
- Closed box



AXON.E L 100 / 300

- Filtration + lighting
- H.350 x W.300 x D.106 mm
- Modular box

CODE	DESIGNATION
AXON.E 100-M	Axon.e new "closed" design electrical box - Filtration + lighting 100 VA
AXON.E 300-M	Axon.e new "closed" design electrical box - Filtration + lighting 300 VA
AXON.EL 100-M	Axon.e new "open front panel" Design electrical box Filtration + lighting 100 VA
AXON.EL 300-M	Axon.e new "open front panel" Design electrical box Filtration + lighting 300 VA

REMOTE OPTION ((wifi)) or

This box allows remote access & management of the pool. Easy to install, close to the home box. Radio connection + Wifi, wireless (and ethernet). MKB Vs On.e pump compatible, available from ACIS



CODE	DESIGNATION
ONECONNECT	Wifi connection box for On.e-equipped products

Blueswim

1 single mobile application for
4 products dedicated to every
swimming pools

Blueswim x YouTube
DISCOVER THE RANGE IN OUR VIDEO



App Store

Google play



Bluetooth® 5.0
for extended range



((wifi)) or RJ45

when connected with a Connect



NEW-BUILD
RENOVATION

2-year
WARRANTY*

Blueswim EO

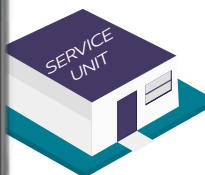
COMPLETE, SIMPLIFIED MANAGEMENT OF POOL EQUIPMENT VIA BLUETOOTH®



Optimum management of filtration
pump, lighting and choice of heat
pump or chlorinator



Can also be controlled without a
smartphone (using the module)



≡ CONTROL & SECURE EQUIPMENT:

- Filtration: ON/OFF, auto, weather compensation, customizable timer
- Lighting: ON/OFF, clock
- Configurable auxiliary output
- Overcurrent protection for filtration pumps
- Frost-protection mode

≡ INFORMATION FEEDBACK:

- Water and air temperature
- Filtration pump status
- Cover status
- Lighting status

2 OPTIONS AVAILABLE

Installed in the service unit, the EO module is suitable for any kind of installation:



control unit to be set up in the
service unit (230V)

COMES WITH

- water T° probe
- air T° probe
- saddle clamp



module built directly
into a WA Conception
electrical box



CODE	DESIGNATION
BLUE-E0-LOC	Blueswim EO control unit to be set up in the service unit
	Electrical box with fitted Blueswim EO module

POOL ELEC EO



Bluetooth®
offers greater range



EASY TO USE

An all-in-one electrical box that is easy to install, with a smart module for you to control and manage pool equipment from a smartphone via Bluetooth®.

The features offered by POOL'ELEC and the performance of **Blueswim EO** combine to offer a complete and easy to use solution to provide access to the connected swimming pool.

The **EO** module can be controlled from a smartphone via our **free** application **Blueswim**.

COMES WITH



actual product(s) may vary from photos

FEATURES OF POOL ELEC ELECTRICAL BOXES

PFH EO	PFPH 100 / 300 / 600 EO	PFPH 100D / 300D / 600D EO
- Filtration or compressor - H.190 x W.185 x D.105 mm	- Filtration + lighting - H.400 x W.260 x D.140 mm	- Filtration + lighting + compressor - H.400 x W.330 x D.140 mm - Modular daily timer for booster or Blueswim Pilot
- Electrical boxes with ABS double insulation IP66, comes with assembled cable slots - Single-phase wiring - Three-phase wiring possible on request		

REFERENCE	DESIGNATION	MAX. POWER
PFH EO	Filtration box - with water and air T° probe and Blueswim EO	
PFPH 100 EO	Filtration box + lighting - with water and air T° probe and Blueswim EO	100 W
PFPH 300 EO	Filtration box + lighting - with water and air T° probe and Blueswim EO	300 W
PFPH 600 EO	Filtration box + lighting - with water and air T° probe and Blueswim EO	600 W
PFPH 100D EO	Filtration box + automatic vacuum + lighting - with water and air T° probe and Blueswim EO	100 W
PFPH 300D EO	Filtration box + automatic vacuum + lighting - with water and air T° probe and Blueswim EO	300 W
PFPH 600D EO	Filtration box + automatic vacuum + lighting - with water and air T° probe and Blueswim EO	600 W

POOL ELEC FULL OPTIONS EO

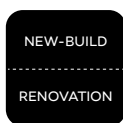
2-year
WA
warranty*

complies with
standards
EN 61439-1
EN 61439-3

COMPLETE, EASY TO SET UP, ALL-IN-ONE



EASY TO USE



Bluetooth 5.0
offers greater range



COMES WITH



A complete, easy-to-install electrical box

The features offered by POOL'ELEC FULL OPTIONS and the performance of **Blueswim EO** combine to offer a complete and easy-to-use solution to provide access to the connected swimming pool.

The **EO** module can be controlled from a smartphone via our **free** application **Blueswim**.

FO 100 / 300 / 600 AND FO 100D / 300D / 600D

- H.550 x W.328 x D.140 mm
- IP65 electrical box with smoke protection cover, key lock
- **Filtration management:** by Blueswim EO module, pump 10 A maximum 230 V AC.
- **Automatic vacuum management** via daily timer or Blueswim Maintenance PILOT (optional) and Manu/O/Auto switch + thermal magnetic circuit breaker for 4 to 6.3 by default (can only be operated when filtration is active) - PFPH 100D / 300D / 600D EO only
- Pool lighting powered by a 12 V toroidal transformer

+ OPTION SLAVE BROOM MANAGEMENT

- **Blueswim PILOT** to manage the robot and pool maintenance.



1 BUILT-IN TIMER →



actual product(s) may vary from photos

+ FULL OPTIONS

- + Protected by 30 mA differential switch
- + 2 PH+N 230 V 10 A circuit breaker outlets, linked to filtration operation (water treatment, salt, pH, UV, etc.).
- + 1 PH+N 230 V 10 A circuit breaker outlet, standby (e.g.: cover box, local lighting, etc.).
- + 230 V~ socket outlet, NF standard, located on the side of the cabinet and protected by a 16 A Ph+N circuit breaker
- + Heat pump outlet, with D curve circuit breaker (power to be specified)
- + For the three-phase version, add option FO TRI

REFERENCE	DESIGNATION	MAX. POWER
PFO 100 EO	Full Options box equipped with Blueswim EO filtration + 100 W	100 W
PFO 300 EO	Full option box equipped with Blueswim EO filtration + 300 W	300 W
PFO 600 EO	Full option box equipped with Blueswim EO filtration + 600W	600 W
PFO 100D EO	Full option box equipped with Blueswim EO filtration + automatic vacuum + 100 W	100 W
PFO 300D EO	Full option box equipped with Blueswim EO filtration + automatic vacuum + 300 W	300 W
PFO 600D EO	Full option box equipped with Blueswim EO filtration + automatic vacuum + 600W	600 W
FO TRI EO	Three-phase mounting option	

Blueswim PILOT

A UNIVERSAL REMOTE CONTROL FOR THE WORLD OF SWIMMING POOLS

- A product that can be used in several configurations, as required.
- Can be used to upgrade an electric box being refurbished or to complement the features provided by the **Blueswim EO**
- Clock or timer can be programmed on a daily or weekly basis for some modes (🕒)

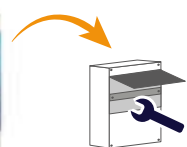


- Designed for use either alone or in conjunction with Blueswim EO
- Several PILOTS may be installed at the same time to enable combined uses

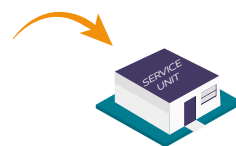
6 PILOT OPTIONS AVAILABLE: 10 modes available



2 FORMULAS AVAILABLE:



module to be set
up on a DIN rail



control unit to be set
up in a service unit

All Blueswim PILOT options are available in the control unit and module versions. For the module version, contact us.

CODE	DESIGNATION
BLUE-PIL	Blueswim CUSTOM PILOT module for installation in an electrical box
BLUE-PIL-LOC	Blueswim CUSTOM PILOT control unit for installation in a service unit
BLUE-PIL-LOC-C	Blueswim HEATING PILOT control unit for installation in a service unit
BLUE-PIL-LOC-HG	Blueswim PILOT ANTI-FROST box for installation in a service unit
BLUE-PIL-LOC-E	Blueswim MAINTENANCE PILOT control unit for installation in a service unit
BLUE-PIL-LOC-W	Blueswim WELLNESS PILOT control unit for installation in a service unit
BLUE-PIL-LOC-A	Blueswim AMBIENCE PILOT control unit for installation in a service unit

Blueswim COVER

THE APPLICATION DESIGNED FOR SAFE COVER MANAGEMENT.



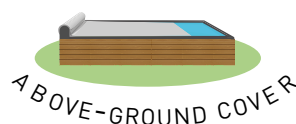
Thanks to the Blueswim COVER solution, your smartphone becomes a real remote control where you can open and close the pool's cover safely.



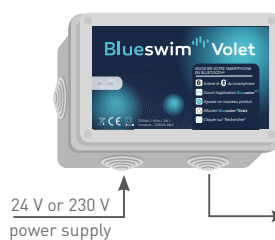
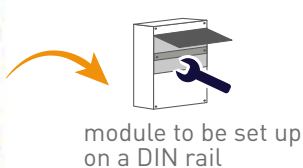
- Compatible with all makes and types of covers
- Simple to install and use
- A secure system that uses activation codes
- A switch option to reduce electrolysis output (only available on 24 V control unit)



COVER TYPE SELECTION



2 OPTIONS AVAILABLE



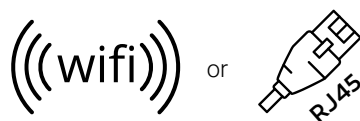
CODE	DESIGNATION
BLUE-VOL	Blueswim COVER-24 V module for above-ground covers - for installation in an electrical box
BLUE-VOL-LOC	Blueswim COVER box - 24 V for above-ground covers - to be installed in the service unit
BLUE-VOL-230	Blueswim COVER module - 230 V for submerged cover - to be installed in an electrical box
BLUE-VOL-LOC-230	Blueswim COVER box - 230 V for submerged covers - for installation in a service unit

Blueswim CONNECT

BLUESWIM PRODUCTS NOW AVAILABLE WITH WIFI OR RJ45 FOR REMOTE CONNECTION

This box allows remote access & management of the pool.

Easy to install, close to the home box. Radio connection + Wifi, wireless (and ethernet).



Blueswim

**SWITCH FROM BLUETOOTH® TO WIFI
OR RJ45 WITHOUT HAVING TO CHANGE
APPLICATION OR INSTALLATION**



- Easily integrated into a system already equipped with Blueswim or On.e products
- Offer your customers the option of switching to Wifi or RJ45 without changing their mobile application

CODE	DESIGNATION
BLUESWIMCONNECT	Remote connection box (Wifi or RJ45) for Blueswim products



DISCOVER ALSO
Blueswim[™] Tunable
Specially designed for lighting control and customization

Available at





Blueswim[™] x YouTube

DISCOVER THE RANGE IN A VIDEO




► COMPARISON OF OUR BOXES

Classic range

► Cyrano range

- IP65
- Side opening

p.36



CFH / CSH



CFPH 100 / 300 / 600



CFPH 100D / 300D / 600D

► Détente range

- IP55
- Closed box

p.38



DFH / DSH



DFPH 100 / 300 / 600



DFPH 100D / 300D / 600D

► Pool'elec range

- IP66
- Top opening

p.32



PFH / PSH



PFPH 100 / 300 / 600



PFPH 100D / 300D / 600D

► Full Options

- IP66
- Top opening

p.34



CLASSIC BOXES

POOL'ELEC RANGE	32
POOL'ELEC FULL OPTIONS	34
CYRANO RANGE	36
RELAXATION RANGE	38
ELECTRICAL BOX FOR ABOVE-GROUND POOLS	40
SPECIAL CABINET	41

POOL'ELEC RANGE

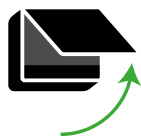
ROBUST AND REINFORCED SEALING

THE
ESSENTIALS

2-year
WA
warranty*

complies with
standards
EN 61439-1
EN 61439-3

MADE IN
FRANCE



Top opening

NEW
2024 !

CIRCUIT BREAKER REPLACES
FUSE HOLDER

- Manu/0/auto diverter
- Electrical boxes with ABS double insulation, sealed controls on front panel. IP66, comes with assembled cable slots
- Electrical box(es) fitted with a thermal magnetic circuit breaker for 4/6.3 A (other circuit breakers on request)

Select your product according to the motor voltage - 230 V (single-phase) or 400 V (three-phase).



actual product(s) may vary from photos

PFH / PSH	PFPH 100 / 300 / 600	PFPH 100D / 300D / 600D
• Filtration or compressor	• Filtration + lighting	• Filtration + lighting + compressor
• H.190 x W.185 x D.105 mm	• H.400 x W.260 x D.140 mm	• H.400 x W.330 x D.140 mm
• Modular daily programming timer		• Modular daily programming timers
	• On/Off lighting switch	

CIRCUIT BREAKER SELECTION			
MOTOR POWER		CIRCUIT BREAKER / POWER SUPPLY TYPE	
KW	HP	SINGLE-PHASE	THREE-PHASE
0.37	1/2	2.50/4 A	1.60/2.50 A
0.55	3/4	4/6.3 A	1.60/2.50 A
0.75	1	4/6.3 A	2.50/4 A
1.10	1.50	6.30/10 A	2.50/4 A
1.50	2	6.30/10 A	2.50/4 A
2.20	3	9/14 A	4/6.30 A



✓ Thermal magnetic circuit breaker fitted and included with each electrical box



MOUNTED BY DEFAULT, IF MOTOR POWER IS NOT SPECIFIED WHEN ORDERING

- CONTACT US FOR PRODUCTION LEAD TIMES FOR ELECTRICAL BOXES INCLUDING OPTIONS (15 DAYS MAX.)



OPTIONS

- Air and water probe p.91
- PRECISEO, automated filtration management p.88



OPTIONS

Depending on the options requested, the size of the box may change.

REFERENCE	DESIGNATION
IDMONTEMO	Diff. switch 30 mA assembled
IDMONTETR	Tetra diff. switch 30 mA assembled
DEP230PASS	230 V outlet protected and automated
DEP230PNAS	230 V outlet protected and NOT automated
DEP400PNAS	400 V outlet protected and NOT automated
DEPPAC MONO	Single-phase heat pump outlet (20 A max.)
DEPPAC TRI	Three-phase heat pump outlet (16 A max.)
REDEM ECL	Filtration restart on projector activation
PRECISEO	Pump control module without probe that can be built into a modular electrical box*
SONDAIR	Air probe for Blueswim EO (or Precise'o)
SONDO 50	Water probe for Blueswim EO (or Precise'o)

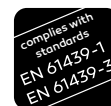
THREE-PHASE VERSION
ON REQUEST

PRICING (CIRCUIT BREAKERS INCLUDED)

REFERENCE	DESIGNATION	MAX. POWER
PFH-M	Filtration box - Single-phase	
PFH2-M	Double filtration box - Single-phase	
PFHD-M	Filtration box + automatic vacuum - Single-phase	
PSH-M	Compressor box with built-in automation - Single-phase	
PFPH 100-M	Filtration box + lighting - Single-phase	100 W
PFPH 300-M	Filtration box + lighting - Single-phase	300 W
PFPH 600-M	Filtration box + lighting - Single-phase	600 W
PFPH 900-M	Filtration box + lighting - Single-phase	900 W
PFPH 100D-M	Filtration box + automatic vacuum + lighting - Single-phase	100 W
PFPH 300D-M	Filtration box + automatic vacuum + lighting - Single-phase	300 W
PFPH 600D-M	Filtration box + automatic vacuum + lighting - Single-phase	600 W
PFPH 100D MAXI 6-M	Filtration box + lighting Built-in compressor only in single-phase max 6 amps	100 W
PFPH 300D MAXI 6-M	Filtration box + lighting Built-in compressor only in single-phase max 6 amps	300 W
PFPH 600D MAXI 6-M	Filtration box + lighting Built-in compressor only in single-phase max 6 amps	600 W
PP 100	Lighting box	100 W
PP 300	Lighting box	300 W
PP 600	Lighting box	600 W

POOL'ELEC FULL OPTIONS

COMPLETE, EASY TO SET UP, ALL-IN-ONE



CLASSIC BOXES



EASY TO USE



PREPARED FOR YOU



- ✓ Standby protection
- ✓ Cabling already assembled
- ✓ Outlet available
- ✓ Side outlet

F0 100 / 300 / 600

- H.550 x W.328 x D.140 mm
- IP65 electrical box with smoke protection cover, key lock
- **Filtration management** via daily timer and Manu/0/Auto switch + thermal magnetic circuit breaker for 4 to 6.3 A by default (other circuit breakers on request)
- Pool lighting powered by a 12 V toroidal transformer



actual product(s) may vary from photos

+ FULL OPTIONS

- + Protected by 30 mA differential switch
- + 2 PH+N 230 V 10 A circuit breaker outlets, linked to filtration operation (water treatment, salt, pH, UV, etc.).
- + 1 PH+N 230 V 10 A circuit breaker outlet, standby (e.g.: cover box, local lighting, etc.).
- + 230 V~ socket outlet, NF standard, located on the side of the cabinet and protected by a 16 A Ph+N circuit breaker
- + Heat pump outlet, with D curve circuit breaker (power to be specified)
- + For the three-phase version, add option F0 TRI

CIRCUIT BREAKER SELECTION

MOTOR POWER		CIRCUIT BREAKER / POWER SUPPLY TYPE	
KW	HP	SINGLE-PHASE	THREE-PHASE
0.37	1/2	2.50/4 A	1.60/2.50 A
0.55	3/4	4/6.3 A	1.60/2.50 A
0.75	1	4/6.3 A	2.50/4 A
1.10	1.50	6.30/10 A	2.50/4 A
1.50	2	6.30/10 A	2.50/4 A
2.20	3	9/14 A	4/6.30 A

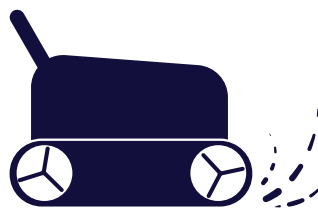


✓ Thermal magnetic circuit breaker fitted and included with each electrical box



MOUNTED BY DEFAULT, IF MOTOR POWER IS NOT SPECIFIED WHEN ORDERING

► SERVO VACUUM MANAGEMENT OPTION



1 BUILT-IN TIMER →



actual product(s) may vary from photos

FO 100D / 300D / 600D

- H.550 x W.328 x D.140 mm
- IP65 electrical box with smoke protection cover, key lock
- **Filtration management** via daily timer and Manu/0/Auto switch + thermal magnetic circuit breaker for 4 to 6.3 A by default (other circuit breakers on request)
- **Automatic vacuum management** via daily timer and Manu/0/Auto switch + thermal magnetic circuit breaker for 4 to 6.3 A by default (can only be operated when filtration is active)
- Pool lighting powered by a 12 V toroidal transformer

+ FULL OPTIONS

- + Protected by 30 mA differential switch
- + 2 PH+N 230 V 10 A circuit breaker outlets, linked to filtration operation (water treatment, salt, pH, UV, etc.).
- + 1 PH+N 230 V 10 A circuit breaker outlet, standby (e.g.: cover box, local lighting, etc.).
- + 230 V~ socket outlet, NF standard, located on the side of the cabinet and protected by a 16 A Ph+N circuit breaker
- + Heat pump outlet, with D curve circuit breaker (power to be specified)
- + For the three-phase version, add option FO TRI

REFERENCE	DESIGNATION
FO 100	Filtration box for 1 projector (100 VA)
FO 300	Filtration box for 1 projector (300 VA)
FO 600	Filtration box for 2 projectors (300 VA)
FO 100D	Filtration box + automatic vacuum for 1 projector (100 VA)
FO 300D	Filtration box + automatic vacuum for 1 projector (300 VA)
FO 600D	Filtration box + automatic vacuum for 2 projectors (300 VA)
FO TRI	Three-phase mounting option

CYRANO RANGE

STYLISH AND PRACTICAL



CLASSIC BOXES



Side opening

NEW 2024 !

CIRCUIT BREAKER REPLACES FUSE HOLDER

- Manu/0/auto diverter
- Electrical boxes with ABS double insulation, sealed controls on side panel. IP65 comes with assembled cable slots
- Electrical box(es) fitted with a thermal magnetic circuit breaker for 4/6.3 A (other circuit breakers on request)

Select your product according to the motor voltage - 230 V (single-phase) or 400 V (three-phase).



actual product(s) may vary from photos

CFH / CSH	CFPH 100 / 300 / 600	CFPH 100D / 300D / 600D
• Filtration or compressor	• Filtration + lighting	• Filtration + lighting + compressor
• H.250 x W.310 x D.145 mm	• H.440 x H.310 x D.150 mm	• H.590 x W.310 x D.150 mm
• Modular daily programming timer		• Modular daily programming timers
	• On/Off lighting switch	

CIRCUIT BREAKER SELECTION			
MOTOR POWER		CIRCUIT BREAKER / POWER SUPPLY TYPE	
KW	HP	SINGLE-PHASE	THREE-PHASE
0.37	1/2	2.50/4 A	1.60/2.50 A
0.55	3/4	4/6.3 A	1.60/2.50 A
0.75	1	4/6.3 A	2.50/4 A
1.10	1.50	6.30/10 A	2.50/4 A
1.50	2	6.30/10 A	2.50/4 A
2.20	3	9/14 A	4/6.30 A



✓ Thermal magnetic circuit breaker fitted and included with each electrical box



MOUNTED BY DEFAULT, IF MOTOR POWER IS NOT SPECIFIED WHEN ORDERING

- CONTACT US FOR PRODUCTION LEAD TIMES FOR ELECTRICAL BOXES INCLUDING OPTIONS (15 DAYS MAX.)



ACCESSORIES & SPARE PARTS

- Air and water probe p.91
- PRECISE0, automated filtration management p.88
- Customized boxes p.41



OPTIONS

Depending on the options requested, the size of the box may change.

REFERENCE	DESIGNATION
IDMONTEMO	Diff. switch 30 mA assembled
IDMONTETR	Tetra diff. switch 30 mA assembled
DEP230PASS	230 V outlet protected and automated
DEP230PNAS	230 V outlet protected and NOT automated
DEP400PNAS	400 V outlet protected and NOT automated
DEPPAC MONO	Single-phase heat pump outlet (20 A max.)
DEPPAC TRI	Three-phase heat pump outlet (16 A max.)
REDEM ECL	Filtration restart on projector activation
PRECISE0	Pump control module without probe that can be built into a modular electrical box*
SONDAIR	Air probe for Blueswim EO (or PRECISE'0)
SONDO 50	Water probe for Blueswim EO (or PRECISE'0)

THREE-PHASE VERSION
ON REQUEST

PRICING (CIRCUIT BREAKERS INCLUDED)

REFERENCE	DESIGNATION	MAX. POWER
CFH - M	Filtration box - Single-phase	
CSH - M	Compressor box with built-in automation - Single-phase	
CFH2 - M	Double filtration box - Single-phase	
CFHD - M	Filtration box + automatic vacuum - Single-phase	
CFPH 100 - M	Filtration box + lighting - Single-phase	100 W
CFPH 300 - M	Filtration box + lighting - Single-phase	300 W
CFPH 600 - M	Filtration box + lighting - Single-phase	600 W
CFPH 900 - M	Filtration box + lighting - Single-phase	900 W
CFPH 100D - M	Filtration box + automatic vacuum + lighting - Single-phase	100 W
CFPH 300D - M	Filtration box + automatic vacuum + lighting - Single-phase	300 W
CFPH 600D - M	Filtration box + automatic vacuum + lighting - Single-phase	600 W
CFPH 100D MAXI 6 - M	Filtration box + lighting - Single-phase Built-in compressor only in Single-phase max 6 amps	100 W
CFPH 300D MAXI 6 - M	Filtration box + lighting - Single-phase Built-in compressor only in Single-phase max 6 amps	300 W
CFPH 600D MAXI 6 - M	Filtration box + lighting - Single-phase Built-in compressor only in Single-phase max 6 amps	600 W

DÉTENTE RANGE

THE MUST-HAVE OF WA CONCEPTION



Closed
box

NEW
2024 !

CIRCUIT BREAKER REPLACES
FUSE HOLDER

- Manu/0/auto diverter
- Electrical boxes with ABS double insulation, sealed controls on side panel. IP55 comes with assembled cable ducts
- Electrical box(es) fitted with a thermal magnetic circuit breaker for 4/6.3 A (other circuit breakers on request)

Select your product according to the motor voltage - 230 V (single-phase) or 400 V (three-phase).



actual product[s] may vary from photos

DFH / DSH	DFPH 100 / 300 / 600	DFPH 100D / 300D / 600D
• Filtration or compressor	• Filtration + lighting	• Filtration + lighting + compressor
• H.180 x W.155 x D.100 mm	• H.300 x W.220 x D.130 mm	• H.380 x W.305 x D.130 mm
• Daily programming timer		• Daily programming timers
	• On/Off lighting switch	

CIRCUIT BREAKER SELECTION			
MOTOR POWER		CIRCUIT BREAKER / POWER SUPPLY TYPE	
KW	HP	SINGLE-PHASE	THREE-PHASE
0.37	1/2	2.50/4 A	1.60/2.50 A
0.55	3/4	4/6.3 A	1.60/2.50 A
0.75	1	4/6.3 A	2.50/4 A
1.10	1.50	6.30/10 A	2.50/4 A
1.50	2	6.30/10 A	2.50/4 A
2.20	3	9/14 A	4/6.30 A



✓ Thermal magnetic circuit breaker fitted and included with each electrical box



MOUNTED BY DEFAULT, IF MOTOR POWER IS NOT SPECIFIED WHEN ORDERING



- CONTACT US FOR MANUFACTURING LEAD TIME FOR ELECTRICAL BOXES INCLUDING OPTIONS (15 DAYS MAX.)



OPTIONS

Depending on the options requested, the size of the box may change.

REFERENCE	DESIGNATION
IDMONTEMO	Diff. switch 30 mA assembled
IDMONTETR	Tetra diff. switch 30 mA assembled
DEP230PASS	230 V outlet protected and automated
DEP230PNAS	230 V outlet protected and NOT automated
DEP400PNAS	400 V outlet protected and NOT automated
DEPPAC MONO	Single-phase heat pump outlet (20 A max.)
DEPPAC TRI	Three-phase heat pump outlet (16 A max.)
REDEM ECL	Filtration restart on projector activation

PRICING (CIRCUIT BREAKERS INCLUDED)

THREE-PHASE VERSION
ON REQUEST

REFERENCE	DESIGNATION	MAX. POWER
DFH - M	Filtration box - Single-phase	
DSH - M	Compressor box with built-in automation - Single-phase	
DSH 6A - M	Booster set - Mono <i>*if the unit is used for filtration, the contact is not available to control a device</i>	6 A SINGLE-PHASE
DFPH 100 - M	Filtration box + lighting - Single-phase	100 W
DFPH 300 - M	Filtration box + lighting - Single-phase	300 W
DFPH 600 - M	Filtration box + lighting - Single-phase	600 W
DFPH 900 - M	Filtration box + lighting - Single-phase	900 W
DFPH 100D - M	Filtration box + lighting + compressor - Single-phase	100 W
DFPH 300D - M	Filtration box + lighting + compressor - Single-phase	300 W
DFPH 600D - M	Filtration box + lighting + compressor - Single-phase	600 W
DFPH 100D MAXI 6 - M	Filtration box + lighting + compressor - Single-phase <i>Built-in compressor only in single-phase max 6 amps</i>	100 W
DFPH 300D MAXI 6 - M	Filtration box + automatic vacuum + compressor - Single-phase <i>Built-in compressor only in single-phase max 6 amps</i>	300 W
DFPH 600D MAXI 6 - M	Filtration box + lighting + compressor - Single-phase <i>Built-in compressor only in single-phase max 6 amps</i>	600 W
DP 100	Lighting box	100 W
DP 300	Lighting box	300 W
DP 600	Lighting box	600 W

ELECTRICAL BOX FOR ABOVE-GROUND POOLS

ABOVE-GROUND POOL COMPLIANT

**2-year
WA
warranty***



ULTRA SIMPLE
CONNECTION



actual product(s) may vary from photos

CHSD	CHSD MAX 6A	CHSD 2P
• H.190 x W.240 x D.100 mm • Adjustable thermal magnetic circuit breaker (4 to 6.3 A by default)	• H.170 x W.170 x D.100 mm • Thermal circuit breaker max 6 amps single phase	• H.190 x W.240 x D.100 mm • Adjustable thermal magnetic circuit breaker (4 to 6.3 A by default) for the pump
• 30 mA differential switch		
• Single-phase		
• Power supply cord and cable with male plug connector		
• Socket for pump connection		• 2 sockets (pump + lighting)
• Weight: 5 kg		



- ✓ Electrical boxes with built-in protection
- ✓ Can be used by individuals

REFERENCE	DESIGNATION
CHSD	Electrical box for above-ground pools + differential switch 30 mA
CHSD MAXI 6A	Electrical box for above-ground pools + differential switch 30 mA Thermal circuit breaker max 6 A single phase
CHSD 2P	Electrical box for above-ground pools + differential switch 30 mA+ 2 sockets (pump + lighting)

SPECIAL CABINET

KNOW-HOW AND QUALITY TO MEET EVERY NEED

QUALITY AND SAFETY

These cabinets are designed to meet customized and detailed specifications.

They provide many options in areas such as filtration, heating, regulation and automation.

They meet customer requirements in terms of safety and quality.

COMPLIANCE

They are manufactured in strict compliance with applicable standards.

CUSTOM-MADE

These cabinets are designed with your constraints in mind and are suitable for service unit equipment.

Electrical plans in CAD with equipment nomenclature.



CLASSIC BOXES

ONLY BY QUOTATION



☐ QUOTATION REQUEST

☐ PURCHASE ORDER



Form to be submitted to atelier@wa-conception.com

You can find this form on our website
www.wa-conception.com/telechargements

☐ PUBLIC CABINETS ☐ PRIVATE ELECTRICAL BOXES

Company name: Tel.:
Date: Fax: Site ref.:
Requester contact details:

All of our cabinets are fitted with a main switch, 24 V control circuit, sealing glad terminal strip and electrical plans in C.A.D. format with 2 copies (See Electrical EXPERT or pdf on request).

PUMPS	Qty	Power		Voltage		Timer		Indicator light	Pneumatic control	Piezo control	Allocation
		HP	kW	230 V	400 V	yes	No	yes	yes	yes	
Filtration											
Brush											
Dosing (specify which pump is triggered)											
Salt treatment											
Other equipment											

HEATING	Quantity	Brand and supplier ref.	Electrical input in amps	Voltage		OPTIONS	Yes	No
				Single-phase 230 V	three-phase 400 V			
Elec. heater						Dif. 30 mA		
Heat pump						Blueswim EO module		
Exchanger						Filter plugging via indicator light		
						Filter plugging with buzzer and indicator light		
						Supply of filter press		
						Radio remote control for lighting		

12 V projectors	Quantity	Power	Transf. built into cabinet	Transf. molded outside cabinet

LEVEL REGULATOR (infinity pool)	yes ☐	No ☐	Functions (please tick)	Solenoid valve control voltage		Supply of probes	
				24 V	230 V	yes	No
1 function (3 probes): pump switch-off - holding tank in case of insufficient water							
2 functions (5 probes): function 1 + automatic filling of Holding Tank by solenoid valve activation							
3 functions (7 probes): Functions 1 + 2 + forced pump mode when Holding Tank is abnormally high. <i>Function can be disabled using a switch in the event of heavy rain.</i>							

702.46 Sectioning and control (reminder NFC 15.100) For public swimming pools, in accordance with Article L131 of the French Municipalities Code and Article L221-6, paragraph 2, of the French Consumer, it is specified that an emergency device be added near the pool, allowing, if necessary, the immediate interruption of the "suction" effect and the release of a swimmer pressed against the grid.

Emergency stop on cabinet door	yes ☐	No ☐
Remote emergency stop	yes ☐	No ☐

Comments

Company signature and stamp:

EXTRA BOXES

PROTECT	44
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PROTECT



PROTECTION BOX FOR HEAT PUMP

This box is an essential element when installing a heat pump, as it contains protection **via a curve D or curve C circuit breaker (Heat pump Inverter, contact your manufacturer's recommendations)**.

Available for single-phase or three-phase heat pump



actual product(s) may vary from photos



CHARACTERISTICS

- IP66 electrical box
- 30 mA differential switch
- Circuit breaker, curve D or curve C, heat pump protection.

REFERENCE	DESIGNATION
CURVE D (HEAT PUMP ON/OFF)	
PROTECT-10-M	Protection box for heat pump ON/OFF single-phase 10 A
PROTECT-16-M	Protection box for heat pump ON/OFF single-phase 16A
PROTECT-20-M	Protection box for heat pump ON/OFF single-phase 20A
PROTECT-25-M	Protection box for heat pump ON/OFF single-phase 25A
PROTECT-10-T	Protective box for heat pump ON/OFF three-phase 10 A
CURVE C (Heat pump Inverter, check manufacturer's recommendations)	
PROTECT-10-M-C	Protection box for heat pump INVERTER single-phase 10 A
PROTECT-16-M-C	Protection box for heat pump INVERTER single-phase 16A
PROTECT-20-M-C	Protection box for heat pump INVERTER single-phase 20A
PROTECT-25-M-C	Protection box for heat pump INVERTER single-phase 25A
PROTECT-10-T-C	Protective box for heat pump INVERTER three-phase 10 A

CONNECT

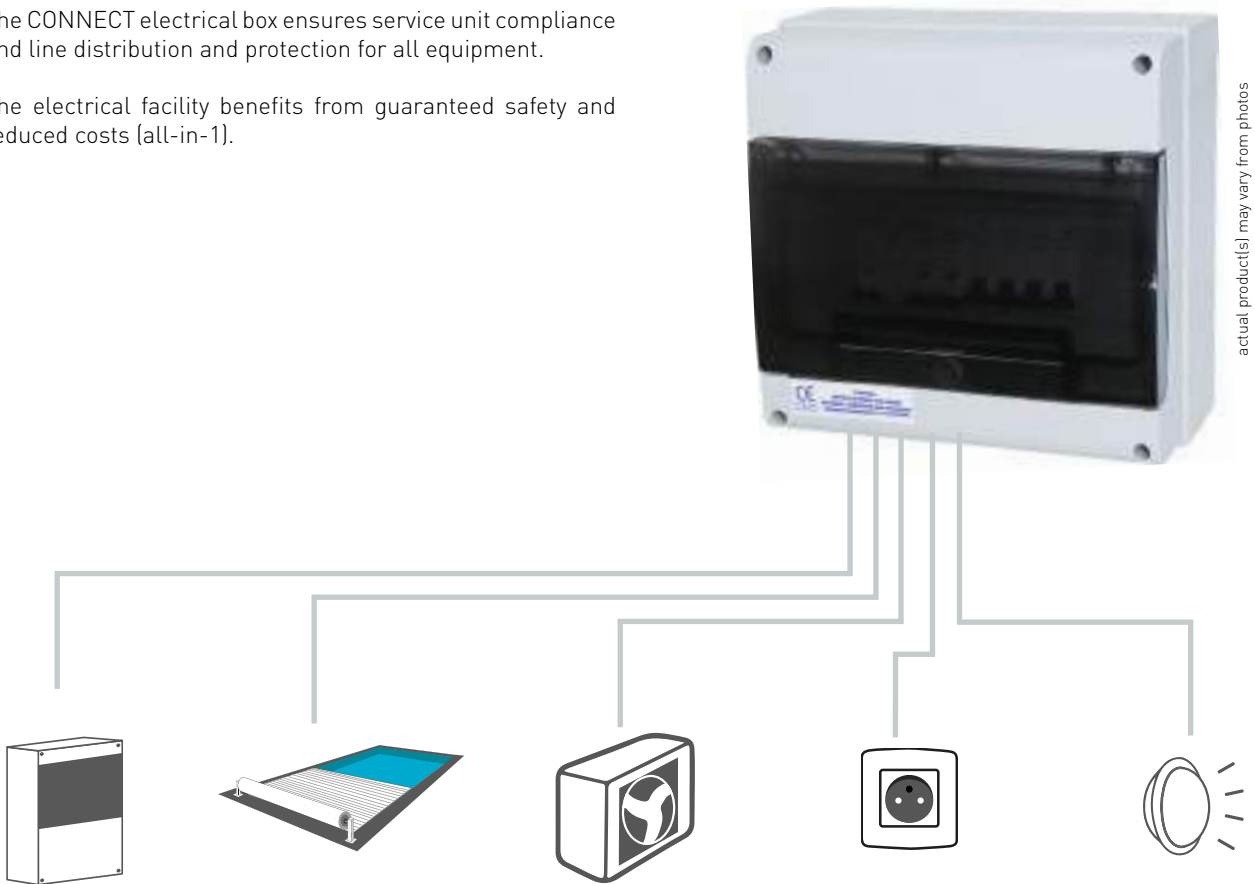
2-year
WA
warranty*



SERVICE UNIT COMPLIANCE

The CONNECT electrical box ensures service unit compliance and line distribution and protection for all equipment.

The electrical facility benefits from guaranteed safety and reduced costs (all-in-1).



ADDITIONAL BOXES

CHARACTERISTICS

- IP66 electrical box
- 30 mA 63 A differential switch
- D curve circuit breaker heat pump protection
- Available for single-phase or three-phase heat pump
- Ph/N 20 A circuit breaker pool box protection
- PN/N 10 A circuit breaker cover protection
- Ph/N 10 A circuit breaker service unit lighting protection
- Ph/N 16 A circuit breaker service unit socket(s) protection

REFERENCE	DESIGNATION
CONNECT 10 M	Distribution box for service unit heat pump 10 A single-phase
CONNECT 16 M	Distribution box for service unit heat pump 16 A single-phase
CONNECT 20 M	Distribution box for service unit heat pump 20 A single-phase
CONNECT 25 M	Distribution box for service unit heat pump 25 A single-phase
CONNECT 10 T	Distribution box for service unit heat pump 10 A three-phase

CCS PIEZO ELECTRICAL BOX

2-year
WA
warranty*



NEW GENERATION OPERATION

This box can be used to operate a counter-current swimming pump through the use of a piezo button which provides remote activation functionality with a 50 meter range.

The piezo button is based on the piezoelectric physics principle which prevents any membrane malfunction, parts being crushed or condensation in the pipes.

- A lighted button that can be used to see the motor status (on)
- Button powered by low voltage
- Works up to 50 m
- Available in single-phase or three-phase
- 316L stainless steel piezo button included with 2 m of cable (15 m option available)



actual product(s) may vary from photos

REFERENCE	DESIGNATION
NCCP 10	CCS 10 A electrical box + PIEZO button
NCCP 16	CCS 16 A electrical box + PIEZO button

CCS ELECTRICAL BOX

A STANDARD FOR COUNTER-CURRENT SWIMMING

These boxes allow the use of a pressure switch on a counter-current swimming pump.

They are to be connected to piping and a pneumatic switch.

- H.170 x W.170 x D.100 mm for the CCS 10 and 16
- Motor protection via thermal magnetic circuit breaker (specify pump power)
- Available up to 10 A in single or three-phase / up to 16 A in single-phase
- Pressure switch, remote control switch (excluding ref. DNCC 10 & 16), contactor, circuit breaker

Up to 15 m of crystal tube

Up to 5 m of crystal tube



NCC 10

NCC 16



DNCC 10

DNCC 16

actual product(s) may vary from photos

actual product(s) may vary from photos

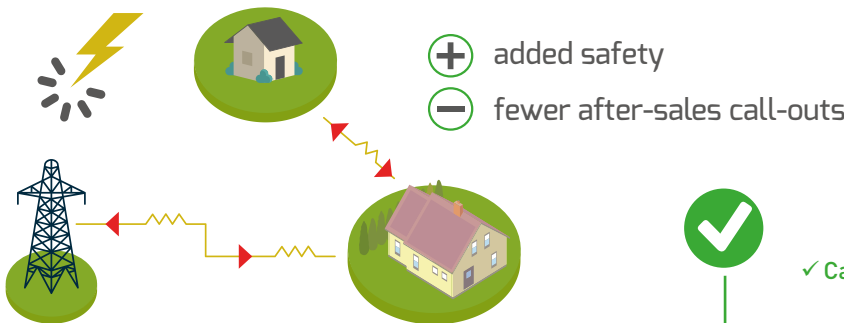
REFERENCE	DESIGNATION
NCC 10	CCS 10 A electrical box + pressure switch + remote control switch (15 m range)
NCC 16	CCS 16 A electrical box + pressure switch + remote control switch (15 m range)
DNCC 10	CCS 10 A electrical box + pressure switch (5 m range)
DNCC 16	CCS 16 A electrical box + pressure switch (5 m range)

LIGHTNING PROTECTION

PROTECTION FROM LIGHTNING

This box is equipped with a lightning arrester that protects electrical and electronic equipment from power surges caused by lightning. This is strongly recommended for some regions.

KERAUNIC ZONES MAP P.11



actual product(s) may vary from photos



✓ Can be integrated into our boxes

REFERENCE	DESIGNATION
CPM	Electrical box with lightning arrester single-phase
CPT	Electrical box with lightning arrester three-phase

LINE PROTECTION

POWER LINE SAFETY

These electrical boxes ensure power line protection via 30 mA differential switch or circuit breaker. The latter protects against overconsumption and short circuits. The 30 mA differential switch provides protection for people.



actual product(s) may vary from photos

COPLM



actual product(s) may vary from photos

COPLT

- H.170 x W.170 x D.100 mm
- Electrical box with ABS double insulation
- Available in single-phase or three-phase

REFERENCE	DESIGNATION
COPLM-MONO	Electrical box with line protection 25 A single-phase
COPLT-TRI	Electrical box with line protection 16 A three-phase + neutral

VOLTAGE MONITORING



PROTECTING AGAINST INSUFFICIENT VOLTAGE

The VOLTAGE MONITORING electrical box secures the equipment by interrupting the electrical circuit in the event of:

- undervoltage,
- overvoltage,
- losing neutral,
- conductor disconnection.

By using this box, the pool's electric and electronic equipment are kept safe.



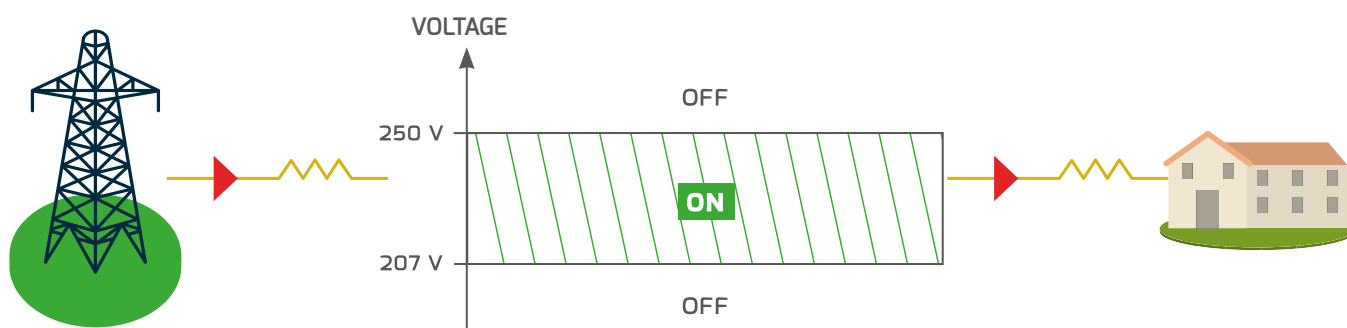
actual product(s) may vary from photos



✓ Can be integrated into our boxes

CHARACTERISTICS

- Enables the service unit to function when the voltage is correct and stable



REFERENCE	DESIGNATION
CFPTM	Electrical box with voltage protection single-phase

BOX FOR FROST PROTECTION

2-year
WA
warranty*

PROTECTING THE POOL AGAINST FROST

Both of these products trigger the forced filtration mode as soon as the temperature drops below the set point programmed in advance to prevent the water from freezing.

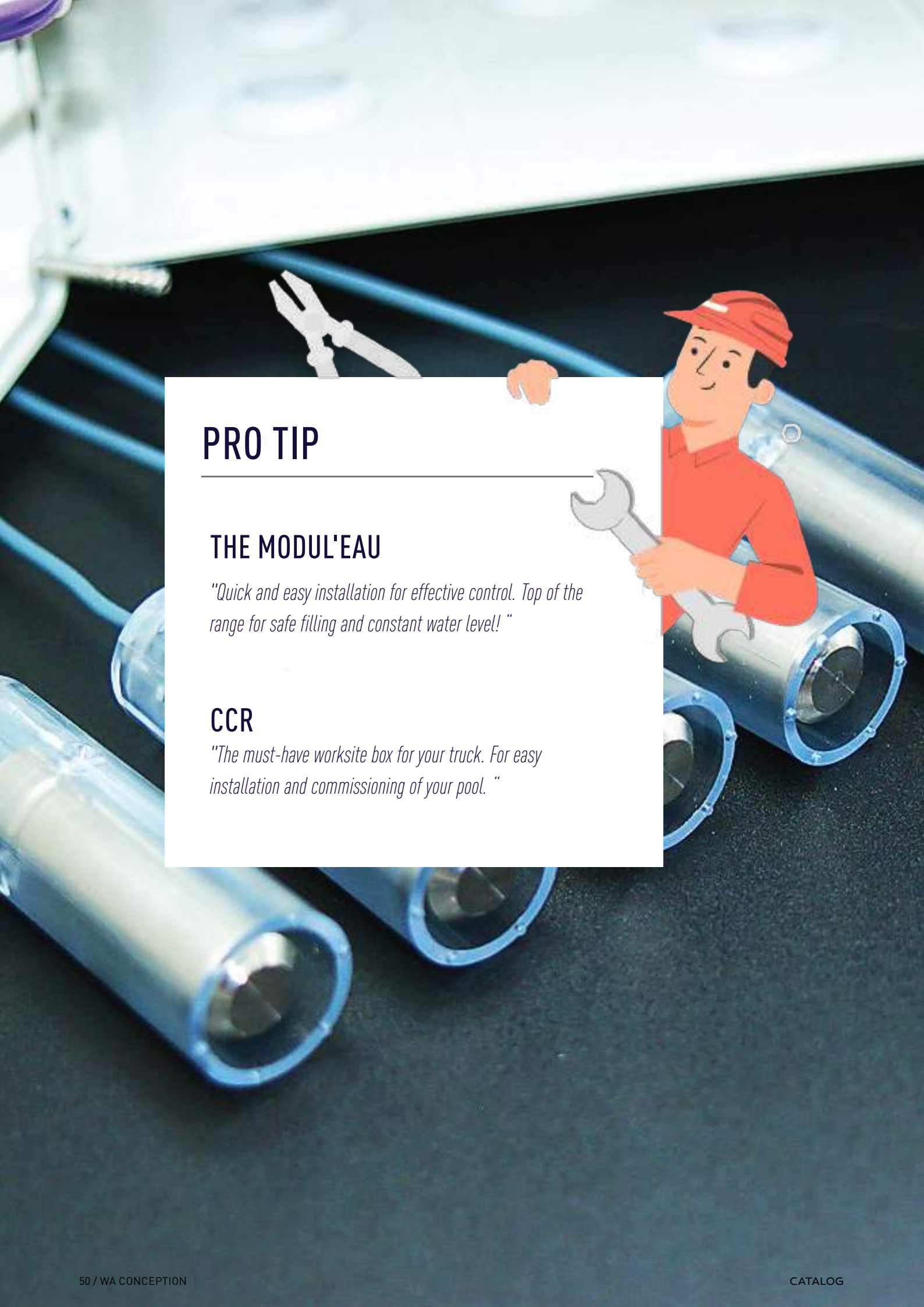


ADDITIONAL BOXES

GEL'ELEC	THG
• Electrical box for frost protection with digital display • H.170 x W.120 x D.80 mm • 230 V supply voltage • 3-digit display with one decimal point • Set point easily configured, to the nearest degree • Comes with cable gland for connection and probe with 1.5 m of cable (can be extended up to 15 m)	• Frost protection thermostat sensor with 1,700 mm capillary • Manual configuration of set point • Graded in 2.5 degree intervals

REFERENCE	DESIGNATION
GELELEC	Electrical box for frost protection with digital display
THG	Frost protection thermostat manual display

By quantity: see wintering options on request



PRO TIP

THE MODUL'EAU

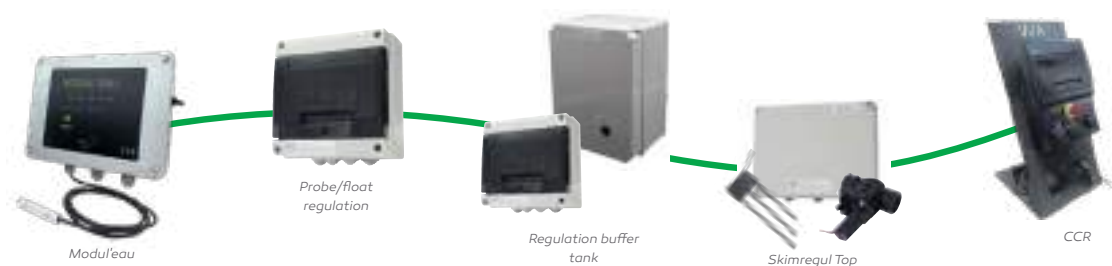
"Quick and easy installation for effective control. Top of the range for safe filling and constant water level! "

CCR

"The must-have worksite box for your truck. For easy installation and commissioning of your pool. "

LEVEL REGULATOR

MODUL'EAU	52
PROBE / FLOAT BALL REGULATION	53
HOLDING TANK REGULATION	54
SKIMREGUL TOP	56
CCR.....	57



MODUL'EAU



EASY TO USE

**AUTOMATIC CONSISTENT WATER LEVELING
AND REFILLING RELIABILITY**

**THE
ESSENTIALS**

**2-year
WA
warranty***



MODUL'EAU is an automatic swimming pool control and refilling system. The system maintains the same level of water, at any time, and detects any refilling faults.

● OPERATION

The electronic device controls the pool water level every hour and tops it up by opening a solenoid valve.

The water level is determined by the position of the probe in the pool. When being controlled by the electronic device, if the probe is no longer under water, MODUL'EAU triggers refilling.

● SAFETY

MODUL'EAU features a "fill stop" safety feature programmable in 30-minute increments between 1/2 hour and 7 1/2 hours (factory-set at 2 hours). If the continuous opening time is higher than the programmed safety time, the solenoid valve is immediately closed and the red "fault" light is turned on.



KIT COMPONENTS

- ✓ 1 electronic control unit with all functions displayed
- ✓ 1 probe with 2 m of cable
- ✓ 1 assembly kit and spare fuses

OPTIONS P.89

- Solenoid valve



CHARACTERISTICS

- H.175 x W.205 x D.85 mm
- IP56 protection
- Power supply: 240 V / 50 Hz
- Consumption: 5 W
- Solenoid valve control outlet 24 V / 230 mA maxi.
- Probe dimension: H.70 x W.12 x D.10 mm
- Probe cable: 2 ml (5 ml or 10 ml probe available)

CONTROL PANEL

The indicator lights are used to control the equipment and operate level regulation at a glance. :

- The FAULT indicator light turns on when the equipment goes into safety mode "refilling stop".
- The SOLENOID VALVE indicator light is used to check if the solenoid valve is open.
- The UNDERVOLTAGE indicator light turns on when the equipment starts to check solenoid valve operation.
- The AT LEVEL indicator light turns on when the probe is under water again.

REFERENCE	DESIGNATION
MODUL'EAU	Electrical box for automatic control and refilling <i>Comes with probe and a 24 V solenoid valve control outlet</i>
EV24	Solenoid valve 24 V 1" - female / female

PROBE / FLOAT BALL REGULATION

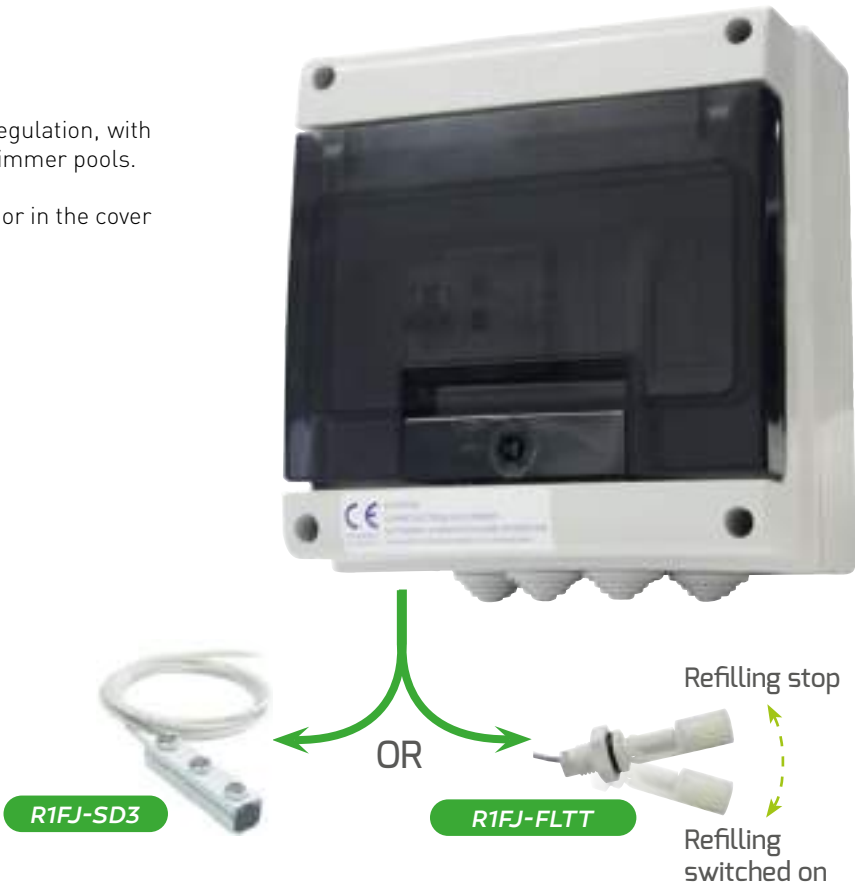


PROBE OR FLOAT BALL REGULATION FOR SKIMMER POOLS



Modular electrical box for automatic level regulation, with a built-in 24 V transformer, developed for skimmer pools.

The probe can be positioned in the skimmer or in the cover box, or even in a legacy flushing system.



LEVEL
REGULATOR

CHARACTERISTICS

- Electrical box in ABS and polycarbonate
- Cable slot assembled



OPTIONS P.89

- Solenoid valve



REFERENCE	DESIGNATION
REGUL1FJ-SD3	Electrical box for refilling and/or "pump safety" using a 3-point stainless steel probe
REGUL1FJ-FLTT	Electrical box for refilling and/or "pump safety" using a float ball

HOLDING TANK REGULATION

LEVEL REGULATION FOR INFINITY POOLS



These regulation boxes are used to keep the same pool water level and ensure constant water overflow. The probes (3, 5 or 7 depending on model) positioned in the holding tank will detect the water level and allow the regulator to adjust it with full autonomy.

By maintaining a certain water level, the boxes will help to protect the pump and avoid any loss of prime.



OPTIONS P.89

- Solenoid valve



REGUL 2

REGUL 3

REGUL 1FJ

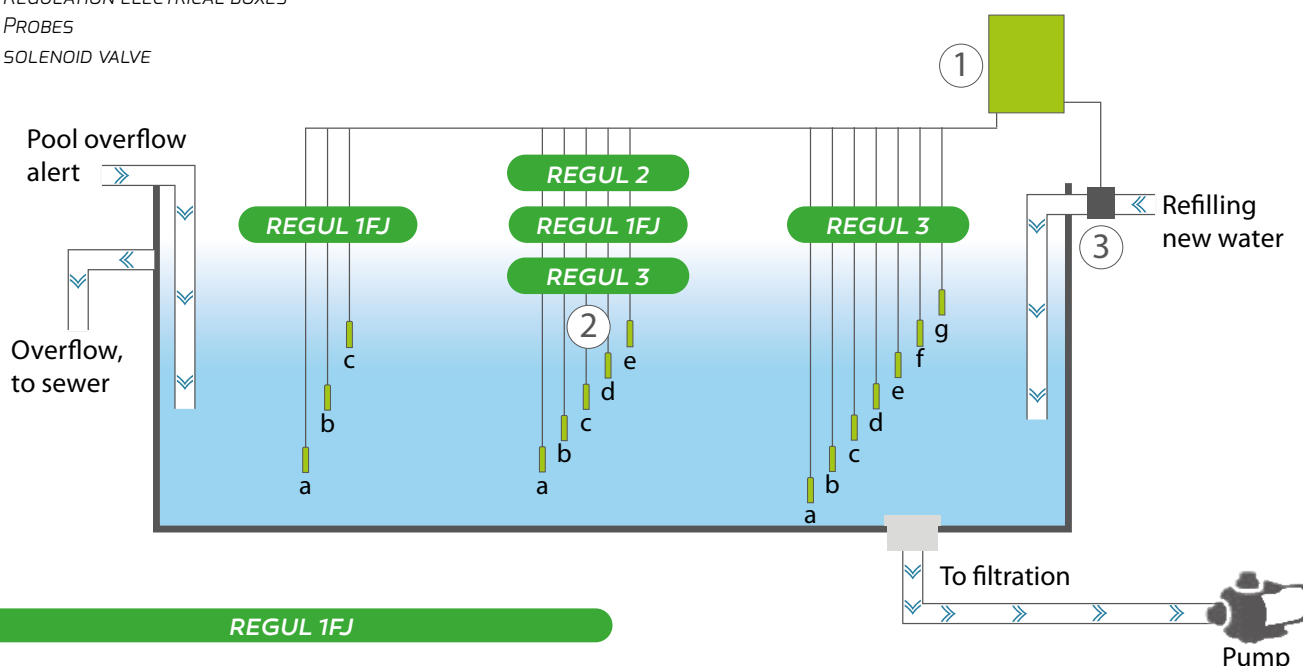
CHARACTERISTICS

- IP55 - IK07 protection
- 230 V supply voltage
- 24 V solenoid valve control voltage - max. power 10 VA



✓ can be integrated into our boxes (contact us)

- ① REGULATION ELECTRICAL BOXES
- ② PROBES
- ③ SOLENOID VALVE



REGUL 1FJ

3 PROBES / 1 FUNCTION

1. PUMP SAFETY & REFILLING

- a. reference probe
- b. pump operation blocked + solenoid valve opening
- c. pump operation allowed + solenoid valve closure

REGUL 2

5 PROBES / 2 FUNCTIONS

1. PUMP SAFETY 2. REFILLING

- a. reference probe
- b. pump operation blocked
- c. pump operation allowed
- d. solenoid valve opening
- e. solenoid valve closure

REGUL 1FJ

5 PROBES / 2 FUNCTIONS

1. PUMP SAFETY & REFILLING 2. PUMP RESTART HIGH LEVEL

- a. reference probe
- b. pump operation blocked + solenoid valve opening
- c. pump operation allowed + solenoid valve closure
- d. "forced pump" mode disabled
- e. start-up of "forced pump operation" function
to prevent water loss in the event of large numbers of bathers

RECOMMENDED IN HOLDING TANK (H.< 80 CM)

REGUL 3

5 PROBES / 3 FUNCTIONS

1. PUMP SAFETY 2. REFILLING 3. PUMP RESTART HIGH LEVEL

- a. reference probe
- b. pump operation blocked
- c. pump operation allowed + solenoid valve opening
- d. pump operation blocked + solenoid valve closure
- e. start-up of "forced pump operation" function
to prevent water loss in the event of large numbers of bathers

RECOMMENDED IN HOLDING TANK (H. < 80 CM)

REGUL 3

7 PROBES / 3 FUNCTIONS

1. PUMP SAFETY 2. REFILLING 3. PUMP RESTART HIGH LEVEL

- a. reference probe
- b. pump operation blocked
- c. pump operation allowed
- d. solenoid valve opening
- e. solenoid valve closure
- f. "forced pump" mode disabled
- g. start-up of "forced pump operation" function
to prevent water loss in the event of large numbers of bathers

RECOMMENDED IN HOLDING TANK (H.> 80 CM)

REFERENCE	DESIGNATION
REGUL 1 FJ	Refilling electrical box with 24 V control panel and/or pump safety - probe and solenoid valve not included
REGUL 2	Regulation electrical box with 2 functions + 24 V control panel - probe and solenoid valve not included
REGUL 2 FJ	Regulation electrical box with 2 twinned functions + 24 V control panel - probe and solenoid valve not included
REGUL 3	Regulation electrical box with 3 functions + 24 V control panel - probe and solenoid valve not included
6 ML PROBE	Stainless steel level probe
EV24	1" solenoid valve - female / female

SKIMREGUL TOP

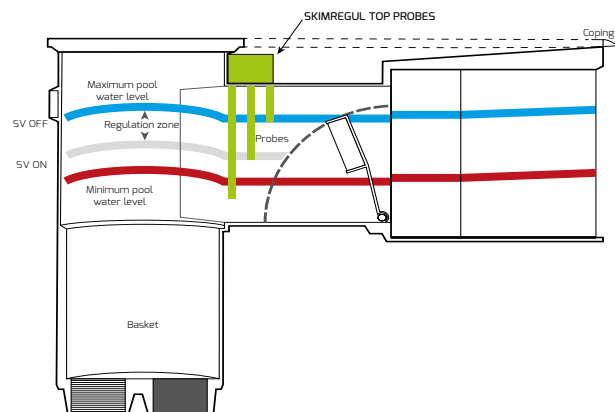
PROBE-BASED LEVEL REGULATION TO BE BUILT INTO SKIMMING POOLS

The electronic level regulator SKIMREGUL TOP is to be positioned on the upper part of the skimmer (between coping and skimmer). Stainless steel probes can be separated based on the desired water level in the pool.



CHARACTERISTICS

- H.240 x W.180 mm
- IP65 - IK07 protection
- Supply voltage: 230V
- Cable slot assembled
- SV control: 24 V / 10 VA max.
- 1 inch female/female solenoid valve



- ✓ Installed on upper part of the skimmer
- ✓ Adjustable probe level by rod separation
- ✓ Comes with probes, solenoid valve and connection box

REFERENCE	DESIGNATION
SKIMREGULTOP	Water level regulator for skimmer pools

INDUSTRIAL ELECTRICAL BOX WITH AUTOMATIC REFILLING (CCR)

Electrical box for automatic water refilling mounted on a bracket. The stainless steel probe is positioned in the pool at the desired water level. When the water reaches this level, an automatic stop is used to cut refilling.

An outlet for portable electric equipment allows the CCR to be used as an industrial box.



✓ Level probe: stops filling at the desired level



LEVEL
REGULATOR

CHARACTERISTICS

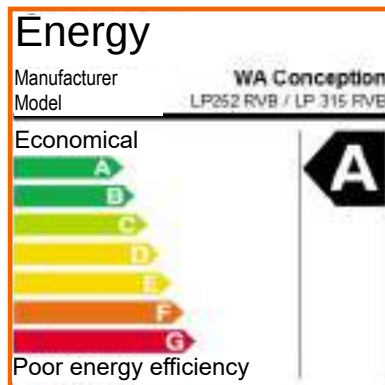
- Stainless steel level probe + 10 m of cable
- 24 V solenoid valve
- 2 vacuum outlets dedicated to refilling
- 1 protected outlet
- 1 emergency stop button
- 1 differential circuit breaker 30 mA
- 1 mains plug

REFERENCE	DESIGNATION
CCR	Industrial electrical box with automatic refilling (CCR)

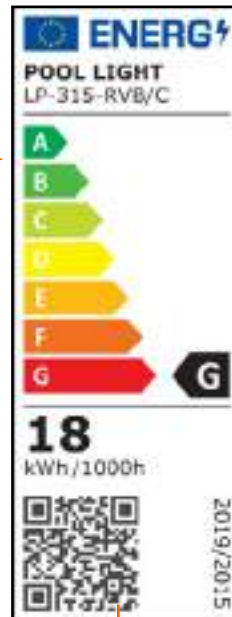
THE NEW ENERGY LABELING REGULATION

From September 1, 2021, all new light sources, lamps and bulbs, must carry the new energy label on the European market. Previously rated from A++ to E, the old label has become less effective. To simplify consumer choice, the European Commission is modifying the energy performance class scale: the former maximum ratings of "A", "A+" and "A++" are now classified as "G", "F" and "E".

old label



label compliant with new standards



QR code linking to product data stored in the EPREL database

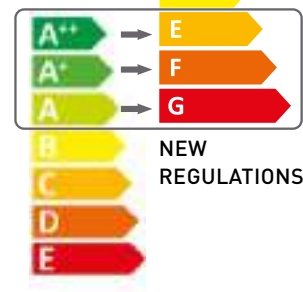
NEW A TO G ENERGY EFFICIENCY SCALE



IMPORTANT:

Products are not downgraded by the new classification, but are reclassified on the basis of a different calculation. The new A to G classification has been chosen to ensure sufficient margin for future developments.

OLD REGULATIONS



Since **march 1, 2023** the new label has been affixed to all product packaging sold in physical outlets or online.



Information obligation for manufacturers and distributors:

- The energy label must be visible on light source packaging.
- For distance or internet sales, the product label and data sheet must be supplied.
- Advertising materials must show the product's energy class and the scale of energy efficiency classes.
- Technical promotional material must include the energy efficiency class.

Other required product and packaging information

About the source:

Useful luminous flux, color temperature, safety information, beam angle (for directed flux sources only)

On the packaging, facing the customer on the shelf:

Useful luminous flux and the angle at which it is measured, color temperature, beam angle (for directed flux sources), information on electrical interface characteristics (e.g. "E27")

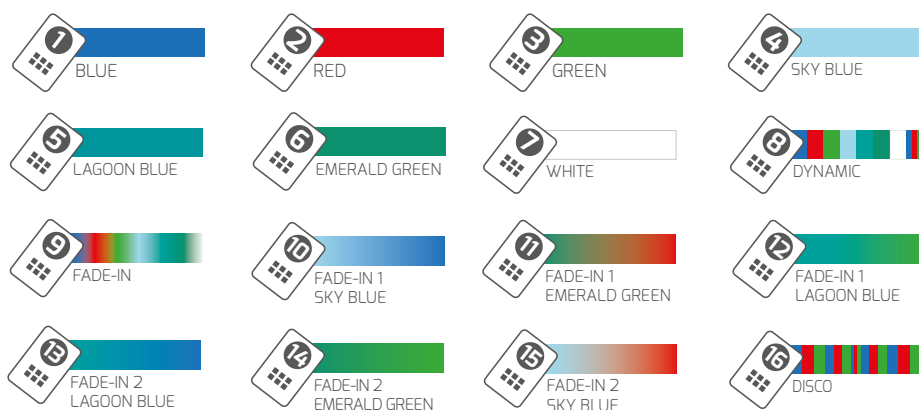
POOL LIGHTING

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► COLOR LIGHTING PROGRAMS



PROGRAM
SYNCHRONIZATION ON
THESE 3 LAMP MODELS:



pool light



stair light



viss light

► CABLE CROSS SECTIONS FOR SPOTLIGHTS (NF C15-100 COMPLIANT)

Maximum copper cable lengths for 5% less voltage.
Maximum allowable values for projectors with a 12 V power supply.

CABLE CROSS SECTIONS	MAXIMUM CABLE LENGTH		
	100W - 8.3A	300 W - 25 A	600 W - 50 A
1.50 mm ²	2.40m		
2.50 mm ²	4.00 m		
4 mm ²	6.40 m	2.10 m	1.10 m
6 mm ²	9.60 m	3.20 m	1.60 m
10 mm ²	16.00 m	5.30 m	2.70 m
16 mm ²	25.60 m	8.50 m	4.30 m
25 mm ²		13.30 m	6.70 m
35 mm ²		18.60 m	9.30 m



► LIGHTING DISPLAY UNIT

A unit designed to display WA Conception LED lighting products at your store.

THE UNIT CONSISTS OF:

- one white lamp
- one RGB lamp
- one remote control



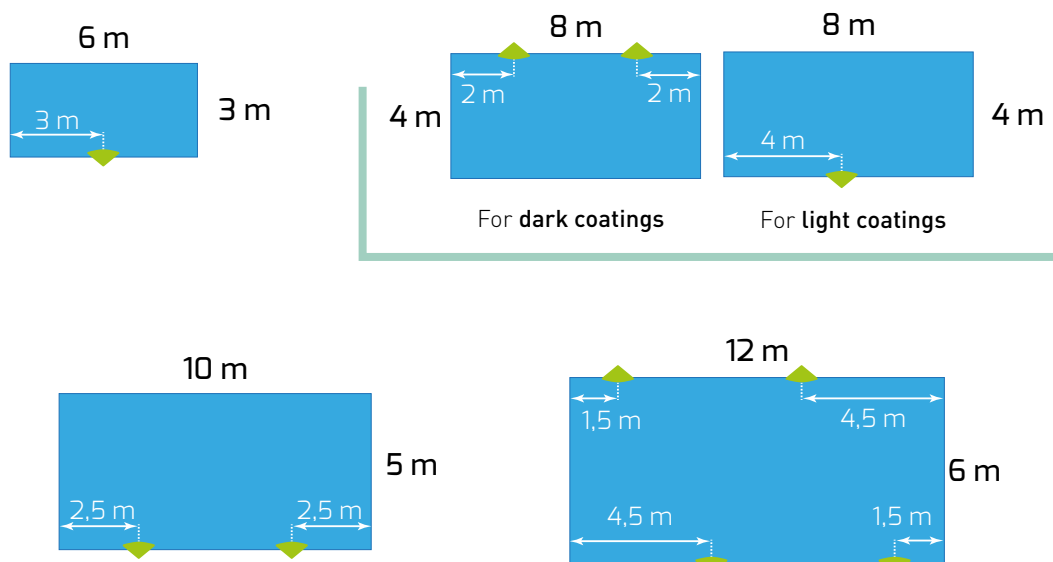
- ✓ Supplied by us
- ✓ Complete and ready to plug in

PRICES ON REQUEST



► INSTALLATION ADVICE

Recommended lamp mounting 70 cm below the water line.



FOR THE
FOLLOWING
LIGHTING
PRODUCTS:



pool light



stair light



viss light



intensity

► CURRENT REGULATIONS AND STANDARDS

• Luminaires safety standard EN60598

This is a safety standard used to ensure compliance with the Low Voltage Directive 2006/95/CE. In addition to the general rule EN60598-1, a swimming pool projector must comply with the specifications of section EN60598-2-18, among which the type of wiring to be used must be specified. The benefit of using LED in a pool helps to significantly reduce cable cross sections between the projector and the electrical box. Installation costs are reduced and connection to the transformer is simplified. When connecting a 300W projector generally requires a 10 mm² cross cable section, immersed LED lighting can use a section 1 mm² and above only.

• The photobiological safety standard EN62471

Included in the EN60598 standard, it makes it possible to determine the photobiological effects on the retina of a subject exposed to an LED light source by measuring its energy luminance in blue at different distances. It defines 4 risk categories: 0, 1, 2 and 3.

Warning: only lamps from the 0 and 1 risk categories are allowed for domestic uses. Lamps from categories 2 and 3 must be labeled while specifying the required protective components for user safety and may only be used for professional uses.

• European regulation on the eco-design of lamps. This applies to:

- non-directional household lamps (regulation 244/2009)
- fluorescent lamps (regulation 1194/2012)
- directional and LED lamps (regulation 1194/2012)

Our pool lamps and projectors that emit a light flux from the pool wall to the pool, fall into the category of directional lamps (emission angle greater than 90°).

Product type	Performance test
LED 12 V projector	Maintains performance after testing under continuous use

Maintains initial performance	Test duration
Minimum of 80%	6,000 hours

• Lamps and luminaires energy labeling European Regulation 874/2012

This regulation complements the previous regulation 1194/2012 and imposes mandatory marking of lamps and luminaires both on the product itself and on packaging intended for the final consumer, including the new energy label.

POOL LIGHT®

WIDE-ANGLE BRIGHTNESS

THE
ESSENTIALS

2-year
WA
warranty*



LOW
CONSUMPTION



DISCRETE
INTEGRATION

FLAT OPTICS



PAR 56 lighting for traditional niches, intended to replace traditional bulbs (300 W).

POOL LIGHT is a best value lighting solution. POOL LIGHT will light up the pool with a choice of white or color lighting.

With 30% increased brightness and its 170° wide-angle, shade in the pool is avoided.



- ✓ Value for money
- ✓ 170° angle
- ✓ color program synchronized with viss light® and stair-light program
- ✓ 252 or 315 leds
- ✓ Available with 3 m of cable

CHARACTERISTICS

- Supply voltage: 12 V AC - 50/60Hz +/-10%
- Polyethylene projector
- Lifespan: 50,000 hrs
- Connection via screw terminal or cable
- Dimensions: Ø 178 x d.114 mm



WITH OR WITHOUT CABLE



CONTROL MODE & OPTIONS

- switch (on box)
- standard remote control

OPTION P.82



- Bluetooth® via **Blueswim** or **On.e** mobile application

FIND OUT MORE P.24

LIGHTING



WHITE LIGHTING:

can be turned on/off using a switch and/or remote control.

LP-252-B
18W
4800°K
908 lumens
G

LP-315-B
19W
10000°K
1010 lumens
G



COLOR LIGHTING:

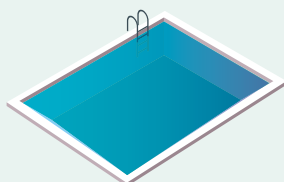
- can be turned on and controlled using a switch and/or remote control.
- short stoppage of less than 2 seconds before program switch.
- stoppage of 2-4 seconds before lamp synchronization.
- last color used is saved.

LP-252-RVB
15W
457nm
622nm
525nm
450 lumens
G

LP-315-RVB
18W
457nm
622nm
525nm
620 lumens
G



ADDITIONAL INFORMATION



LOCATION TIPS P.61

COLOR PROGRAM P.60



REFERENCE	DESIGNATION	LUMENS	TYPE
LP-252-B	POOL LIGHT PAR 56 252 LED lamp	908	white
LP-252-RVB		450	color
LP-252-B/C	POOL LIGHT PAR 56 252 LED lamp with 3 m of cable	908	white
LP-252-RVB-C		450	color
LP-315-B	POOL LIGHT PAR 56 315 LED lamp	1010	white
LP-315-RVB		620	color
LP-315-B/C	POOL LIGHT PAR 56 315 LED lamp with 3 m of cable	1010	white
LP-315-RVB/C		620	color

PACK:



x1 / x2 or x3



REFERENCE	DESIGNATION	LUMENS	TYPE
PACK-252-1	252 RGB lamp + remote control	450	color
PACK-252-2	Two 252 RGB lamps + one remote control		
PACK-252-3	Three 252 RGB lamps + one remote control		
PACK-315-1	315 RGB lamp + remote control	620	color
PACK-315-2	Two 315 RGB lamps + one remote control		
PACK-315-3	Three 315 RGB lamps + one remote control		

LED SPOTLIGHT

PAR 56 COMPLETE SET WITH NICHE



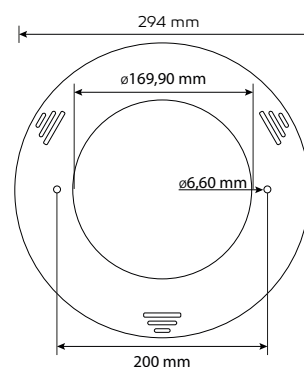
PROJECTOR COVERS AND FLANGES

Complete LED projector set, with niche and lamp. White ABS pools fittings suitable for all PAR 56 lamps.



CHARACTERISTICS

- 294 mm diameter
- Covers: 5 colors available
- Supply voltage: 12 V AC - 50/60 Hz +/- 10%
- Polyethylene projector
- Lifespan: 50,000 hrs
- Connection via screw terminal or cable
- Bulb dimensions: Ø 178 x d.114 mm
- Comes with assembled cable
- *Pool light* bulb supplied
Options available: 252 LED or 315 LED, white or color

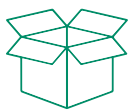


STICK-ON COVER OPTION CAN BE SELECTED

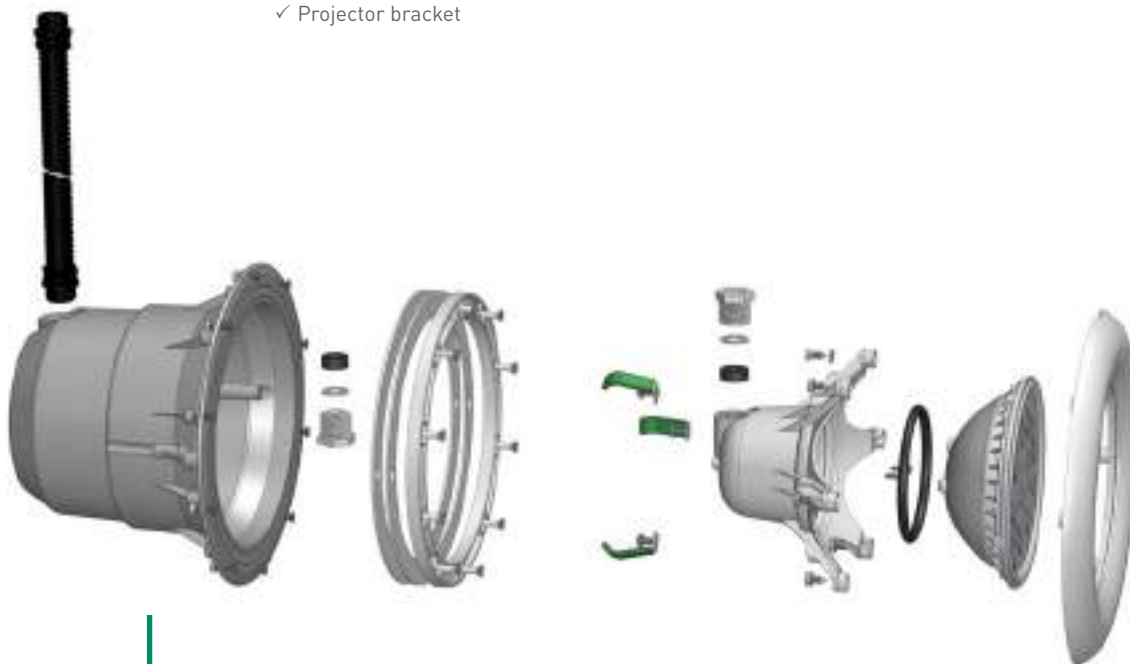
Refer to the
installation guide:



KIT COMPONENTS



- ✓ Covers
- ✓ Lamp and stand
- ✓ Flange
- ✓ Screws
- ✓ Projector bracket



REFERENCE	DESIGNATION	LUMENS	TYPE
KT-252-B/C	Set includes LED PROJECTOR 252 LED lamp + niche	1105	white
KT-252-RVB/C		690	color
KT-315-B/C	Set includes LED PROJECTOR 315 LED lamp + niche	1365	white
KT-315-RVB/C		800	color
OPT-KT-S	Sand cover option		
OPT-KT-B	Blue cover option		
OPT-KT-GC	Light gray cover option		
OPT-KT-GA	Charcoal gray cover option		

VISS LIGHT®

SCREW-IN LED PROJECTOR 1"5

2-year
WA
warranty*



VISS LIGHT is equipped with 252 LEDs and is designed to be fitted to a wall penetration or return inlet with a simple click.

IMPROVED LIGHT DISPLAY

This projector reduces shade in the pool thanks to its wide-angle display.



cross clamp



- ✓ High tear-off resistance
- ✓ Patented click fastener
- ✓ Easy to install
- ✓ separate clamp-based adaptation part
- ✓ Color program synchronized with pool light® and stair light program

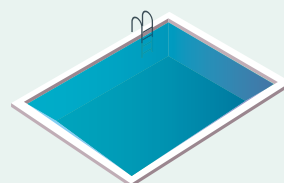
CHARACTERISTICS

- Supply voltage: 12V AC
- Power: 18 W max
- Comes with 3 m of power cable with small cross sectional area (2 x 1 mm²)
- Brightness: white: 908 Lm / RVB: 450 Lm
- Polyethylene lamp
- Lifespan: 50,000 hours



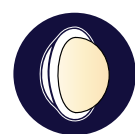
ADDITIONAL INFORMATION

COLOR PROGRAM P.60



LOCATION TIPS P.61

LIGHTING



WHITE LIGHTING:
can be turned on/off using a switch and/or remote control.

VL-252-B

18W

4800°K

908 lumens

G



COLOR LIGHTING:

- can be turned on and controlled using a switch and/or remote control.
- short stoppage of less than 2 seconds before program switch.
- stoppage of 2-4 seconds before lamp synchronization.
- last color used is saved.

VL-252-RVB

15W

457nm

622nm

525nm

450 lumens

G

+ PROJECTOR COLORS CAN BE SELECTED

Mass dyed



sand

charcoal

gray

CONTROL



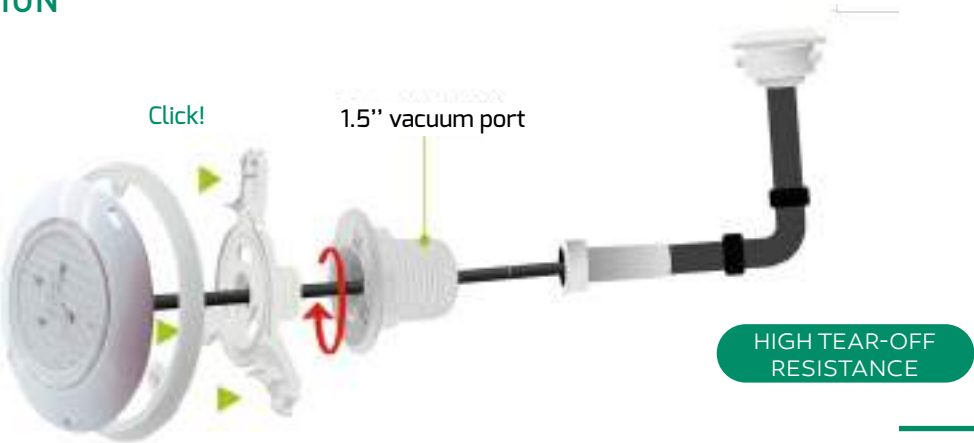
- switch (on box)
 - standard remote control
- OPTIONAL P.82
- Bluetooth® via mobile application



FIND OUT MORE P.24



COMPOSITION



REFERENCE	DESIGNATION	LUMENS	TYPE
VL-252-B	VISS LIGHT screw-in projector white body	908	white
VL-252-B-GC	VISS LIGHT screw-in projector light gray body	908	white
VL-252-B-GA	VISS LIGHT screw-in projector charcoal gray body	908	white
VL-252-B-S	VISS LIGHT screw-in projector sand body	908	white
VL-252-RVB	VISS LIGHT screw-in projector white body	450	color
VL-252-RVB-GC	VISS LIGHT screw-in projector light gray body	450	color
VL-252-RVB-GA	VISS LIGHT screw-in projector charcoal gray body	450	color
VL-252-RVB-S	VISS LIGHT screw-in projector sand body	450	color

STAIR LIGHT



MINI LED PROJECTOR TO BE FITTED TO A WALL PENETRATION OR RETURN INLET



INTENSE
BRIGHTNESS



SCREW-IN
LAMP

SMALL AND POWERFUL

This new projector is easily integrated thanks to its diameter that is the same size as an outlet fitting or vacuum port. Fitted on a 1 1/2 thread and being a patented system, this can be integrated easily into areas of difficult access (e.g. steps, etc.).

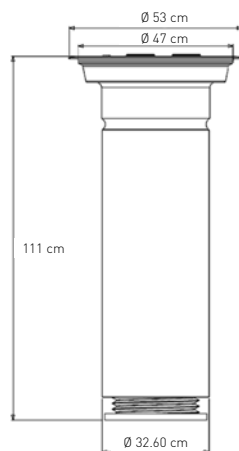
SEALED

Manufacturing the STAIR LIGHT in resin provides for perfect sealing.



CHARACTERISTICS

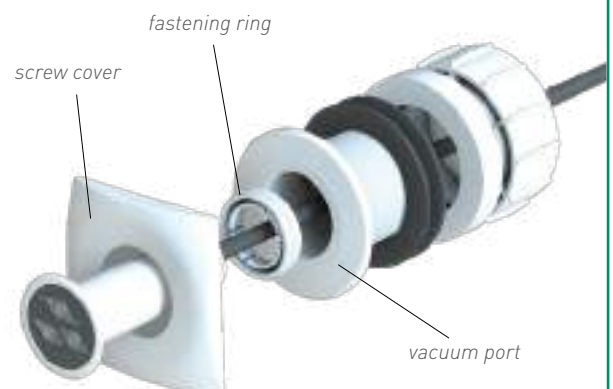
- IPx8 protection
- Supply voltage
1 LED: 12 V AC - 7 W
3 LED: 12 V AC - 10 W
- Power cable 2.4 m or 15 m
- Anti-UV ABS / mass-dyed on request
- Lifespan: 10,000 hours
- Version:
1 or 3 white LED
3 color LED
- Comes with round and square screw covers
- Screw cover optional: 2 finishings and 4 colors
- Ring supplied



- ✓ High-power lighting
- ✓ Led Osram
- ✓ Suitable for small pools
- ✓ Program synchronized with Pool light® and Viss light®



COMPOSITION



CONTROL MODE

- Switch (on cabinet)
- Standard remote control

OPTION P.82

- Bluetooth® via **Blueswim** or **On.e** mobile application

FIND OUT MORE P.24

LIGHTING



WHITE LIGHT:

can be turned on/off using a switch and/or remote control.

MNLD-1-B
7W
360 lumens
F

MNLD-3-B
10W
790 lumens
E



COLOR LIGHTING:

- Can be turned on and controlled using a switch and/or remote control.
- Short stoppage of less than 2 seconds before program switch.
- Stoppage of 2-4 seconds before lamp synchronization.
- Last color used is saved.

MNLD-3-RVB
10W
180 lumens
G



PROJECTOR COLORS CAN BE SELECTED SCREW COVER OPTION

• ROUND finish



stainless steel

• square finish



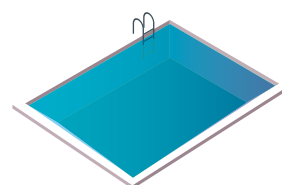
stainless steel



ADDITIONAL INFORMATION



COLOR PROGRAM P.60



LOCATION TIPS P.61

REFERENCE	DESIGNATION	LUMENS	TYPE
MNLD-1-B	STAIR LIGHT mini screw-in spotlight 1 LED	360	white
MNLD-3-B	STAIR LIGHT mini screw-in spotlight 3 LED	790	white
MNLD-3-RVB		180	color
OPT-MNLD-CS	Square Cover Sand		
OPT-MNLD-CB	Square Cover Blue		
OPT-MNLD-CGC	Square Cover Light Gray		
OPT-MNLD-CGA	Square Cover Charcoal Gray		
OPT-MNLD-CI	Square Cover Stainless Steel		
OPT-MNLD-RS	Round Cover Sand		
OPT-MNLD-RB	Round Cover Blue		
OPT-MNLD-RGC	Round Cover Light Gray		
OPT-MNLD-RGA	Round Cover Charcoal Gray		
OPT-MNLD-RI	Round Cover Stainless Steel		

INTENSITY

SCREW-IN LED PROJECTOR 1"5

PREMIUM

2-year
WA
warranty*



Sealed lighting with front panel made of glass and body made of 316 L stainless steel, a perfect replacement for 300 W PAR 56 lamps.

POWER

The most suitable solution for long or wide pools, INTENSITY is also resistant to chlorine and salt.

BRIGHTNESS

INTENSITY comes with 15 SUPERLEDs, each of 1W.

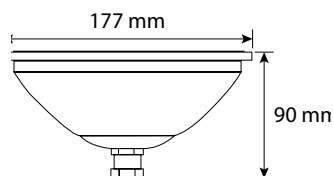


20W
5700°K
2700
lumens

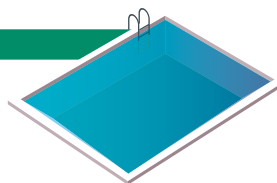


CHARACTERISTICS

- IP68 - IK07 protection
- Supply voltage: 12V AC
- Consumption: 23 VA
- Completely open lighting angle
- Built-in 2 m power cable
- 316 L stainless steel
- SUPERLED
- Lifespan: 50,000 hrs
- Weight: 1.100 kg



LOCATION TIPS P.61



REFERENCE	DESIGNATION	LUMENS	TYPE
INT 12-BL	INTENSITY LED lamp for pools	2700	white

INTENSITY RVB

LAMP WITH FULL COLOR SUPERLED

PREMIUM

2-year
WA
warranty*



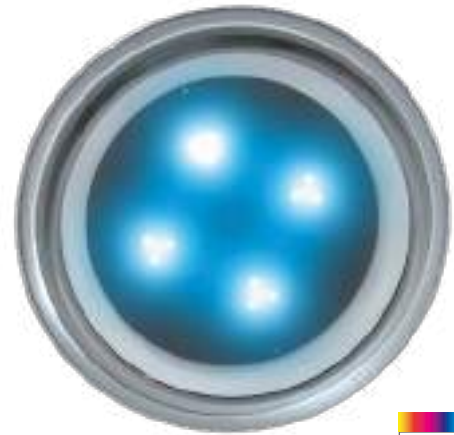
Sealed lighting in 316 L stainless steel, a perfect replacement for 300 W PAR 56 lamps.

POWER

INTENSITY RVB is suited perfectly to lighting for long or wide pools.

BRIGHTNESS

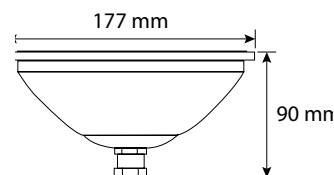
Equipped with an energy-efficient SUPERLED



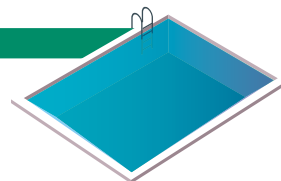
23VA
455nm
625nm
525nm
1530 lumens
G

CHARACTERISTICS

- IP68 - IK07 protection
- Supply voltage: 12V AC
- Consumption: 23 VA
- Lighting angle: 100°
- Built-in 2 m power cable
- 316 L stainless steel
- SUPERLED
- Program switches via power supply interruption
- 8 pre-set programs



LOCATION TIPS P.61



REFERENCE	DESIGNATION	TYPE
INT-12-RVB	INTENSITY LED RVB lamp for pools	color

LIGHT XP 18

18 SUPERLED LAMP

PREMIUM

2-year
WA
warranty*



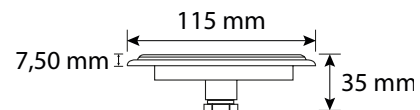
Lighting with a 316 L stainless steel finish, with 18 SUPERLEDs, all 1W. The Light XP 18 is intended to be fitted on a wall penetration (not supplied). The Light XP 18 can only be used under water.



20W
5700°K
3240
lumens
C

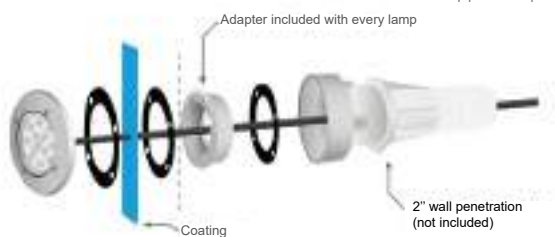
CHARACTERISTICS

- IP68 - IK07 protection
- Supply voltage: 20 V DC (direct current)
- Consumption: 20 VA
- Lighting angle: Standard 15° or 25° or 100°
- Comes with a special adapter



SPECIFIC WALL PENETRATION

Not supplied - p.80



REQUIRES A SPECIFIC POWER SUPPLY

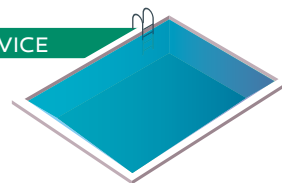


Driver p.81



INSTALLATION ADVICE

Please consult us for more details.



REFERENCE	DESIGNATION	LUMENS	TYPE
L XP 18 BL	LIGHT XP 18 LED lamp for pools - wall penetration not included	3240	white (cold)

LIGHT XP 21 RVB PREMIUM

21 SUPERLED LAMP

2-year
WA
warranty*



316L
STAINLESS
STEEL



DISCRETE
INTEGRATION



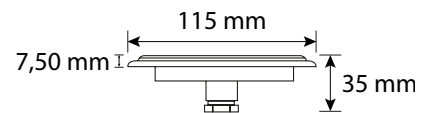
Lighting in 316 L stainless steel, with 21 SUPERLEDs, all 1 W. The Light XP 21 is to be fitted on a specific wall penetration (not supplied).



21W
455nm
625nm
525nm
1000 lumens

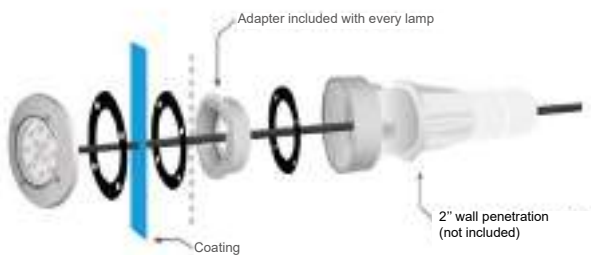
CHARACTERISTICS

- IP68 - IK07 protection
- Consumption: 25 VA
- Lighting angle: 100°
- Comes with a special adapter



SPECIFIC WALL PENETRATION

Not supplied - p.80



REQUIRES A SPECIFIC POWER SUPPLY

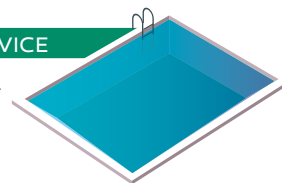


DDL series 4-wire driver p.81



INSTALLATION ADVICE

Please consult us for more details.



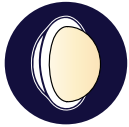
REFERENCE	DESIGNATION	LUMENS	TYPE
LTXP 21-RVB	LIGHT XP 21 LED lamp for pools - wall penetration not included	1000	color

LIGHT POOL 6

SUPERLED LAMP

PREMIUM

2-year
WA
warranty*



Waterproof with 9 SUPERLEDs of 1 W each.

Lamp to be fitted on a specific wall penetration + reducer (wall penetration + reducer not included).

10W
5700°K
1620
lumens
C



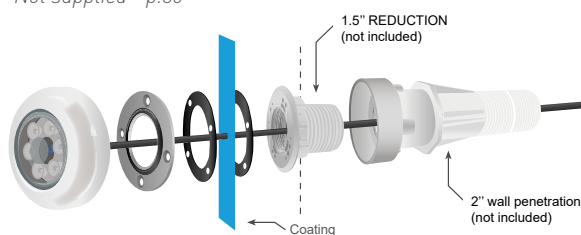
CHARACTERISTICS

- IP68 - IK07 protection
- Supply voltage: 12 V DC (direct current)
- Consumption: 9 VA
- Lighting angle: 120° standard or 55° or 20°
- 2.80 m power cable
- Available in 15 LEDs (contact us)



SPECIFIC WALL PENETRATION AND REDUCER

Not supplied - p.80



REQUIRES A SPECIFIC POWER SUPPLY



Driver p.81



INSTALLATION ADVICE

Please consult us for more details.

REFERENCE

LP 6 BL

DESIGNATION

LIGHT POOL 6 SuperLED lamp for pools
- wall penetration not included

TYPE

white

STAIR POOL

SUPERLED LAMP

PREMIUM

2-year
WA
warranty*



Lamp with 1 SUPERLED at 1 W in 316 L Stainless steel

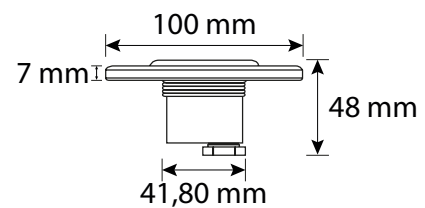
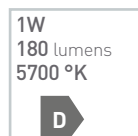
STAIR POOL is the perfect model to light up the steps but also very small pools.

To be fitted on specific wall penetration + reducer.



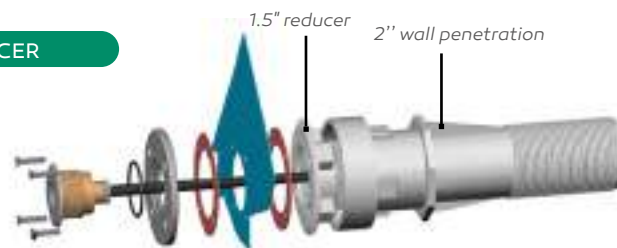
CHARACTERISTICS

- IP68 - IK07 protection
- 12 V AC supply voltage
- Consumption: 1.8 VA
- Lighting angle: Standard 24° or 40° or 60°
- 2.80 m power cable
- Available in RGB 3 LED (contact us)



SPECIFIC WALL PENETRATION AND REDUCER

Not supplied - p.80



Please consult us for more details.



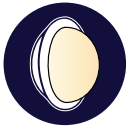
Ideal lamp model to light up steps

REFERENCE	DESIGNATION	LUMENS	TYPE
ST 1 BL	STAIRPOOL SuperLED lamp for pools - wall penetration not included	180	white (cold)

MINITI

STRIPS FOR DISCREET INTEGRATION

PREMIUM

2-year
WA
warranty*

MINITI is a sealed strip with 57 mini LEDs per meter.

FOR POOL OVERFLOW, TOP STEP LEVEL, PERGOLA

This model is highly recommended for infinity pool lighting. This strip is also suitable for other uses: coping and cascade lighting.

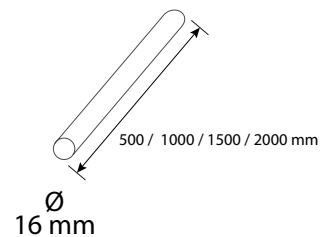


5W
5500°K
480 lumens



CHARACTERISTICS

- IP67 protection (non-immersible) - IK03
- Supply voltage: 12 V DC / 24 V DC
- Consumption:
 - 50 cm: 5W
 - 100 cm: 10 W
 - 150 cm: 15 W
 - 200 cm: 20 W
- Available in lengths from 50 cm to 2 m



INSTALLATION ADVICE

*ideal for a coping edges or a holding tanks
Contact us for more information*

REQUIRES A SPECIFIC POWER SUPPLY



Driver p.81

REFERENCE	DESIGNATION	TYPE
MNT 50-BL-W	MINITI strip LED lamp	warm white
MNT 50-BL-C		cool white
MNT-50-BL-N		natural white

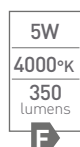
LUXURY FLUSH-MOUNTED

LIGHTING THAT ENHANCES YOUR SUNDECK



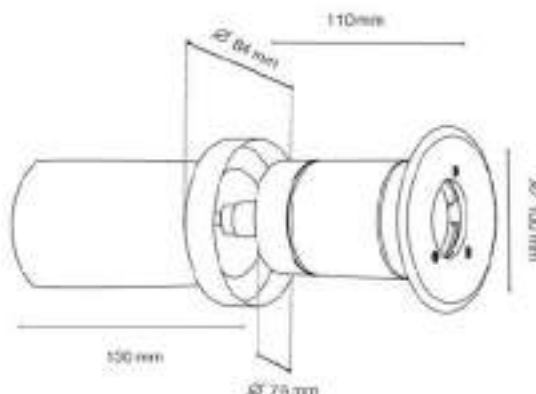
The ENCASTREE LUXE highlights swimming pool patios and sundecks. Fitted with sealed LEDs and specially designed for outdoor installation.

316 L stainless steel ring.



CHARACTERISTICS

- IP65 protection
- Supply voltage: 12V AC
- Consumption: 5 W
- Lighting angle: 30°
- Comes with flush-mounted installation box
- Double sealing gland for spotting
- Transformer sold separately



REFERENCE	DESIGNATION	TYPE
ECST-LUX-BL	ENCASTREE LUXE LED lamp for around the pool	white
ECST-LUX-B		blue
TLE-100-AC	Electrical box with 100 VA-12 VAC transformer for flush-mounted lamp	

LUMSOL 230

PREMIUM

2-year
WA
warranty*

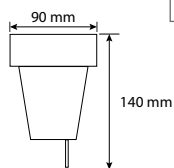


A HEAVY-DUTY SPOTLIGHT

The LUMSOL 230 is a lighting model used to light up shrubbery or medium-sized trees.

This polyamide spotlight, with tempered glass can withstand heavy rain.

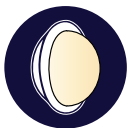
- IP68 - IK06 protection
- Supply voltage: 230 V AC - 50 W
- Type GU 10 sealed halogen spotlight
- Average lifespan: 4,000 hrs



INSTALLATION ADVICE

REFERENCE	DESIGNATION	LUMENS	TYPE
LMS 230 BL	LUMSOL 230 LED LAMP FOR OUTDOORS	870	WHITE

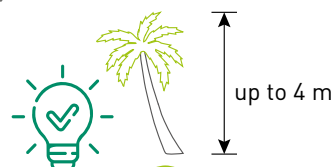
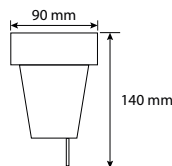
LED SOL CLASSIC 230



A POWERFUL SPOTLIGHT

The LED SOL CLASSIC 230 is the most suitable model for plant and medium-sized tree lighting.

- IP66 - IK06 protection
- Supply voltage: 230 V AC
- Consumption: 4.5 VA
- Lighting angle: 38°
- 2.80 m power cable
- Polyamide spotlight with tempered glass
- Lifespan: 50,000 hrs



INSTALLATION ADVICE

REFERENCE	DESIGNATION	LUMENS	TYPE
LSLC BL	LED SOL CLASSIC 230 LED lamp for outdoors	345	white (warm)

LUXLED SUB

PREMIUM

2-year
WA
warranty*



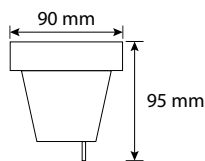
ENHANCING OUTDOOR DESIGN

LIGHTING FOR GARDENS AND SHRUBBERY

The LUXLED SUB is the perfect model to light up plants in aquatic environments such as ornamental ponds and can also be submerged. This spotlight comes with 3 LEDs, 1 W each.

- IP68 - IK06 protection
- Supply voltage: 12V AC
- Consumption: 4.5 VA
- Lighting angle: 38°
- 2.80 m power cable
- Polyamide lamp with tempered glass

- Lifespan: 50,000 hrs
- Comes with fittings



REFERENCE	DESIGNATION	LUMENS	TYPE
LXLS BL	LUXLED SUB LED lamp for outdoors	345	white

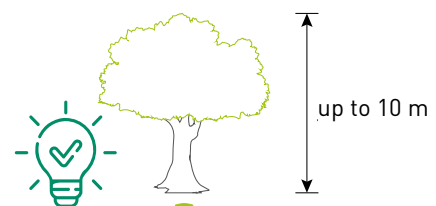
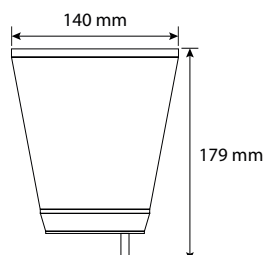
LEDTOP



LIGHTING FOR LARGE TREES

LEDTOP is the most suitable lighting system for large trees. This lighting comes with 9 LEDs, 1 W each.

- IP66 - IK07 protection
- Supply voltage: 230 V AC
- Consumption: 13.5 VA
- Lighting angle: 15° or 25° or 40°
- 2.80 m power cable
- Polyamide lamp with tempered glass
- Lifespan: 50,000 hrs
- Comes with fittings

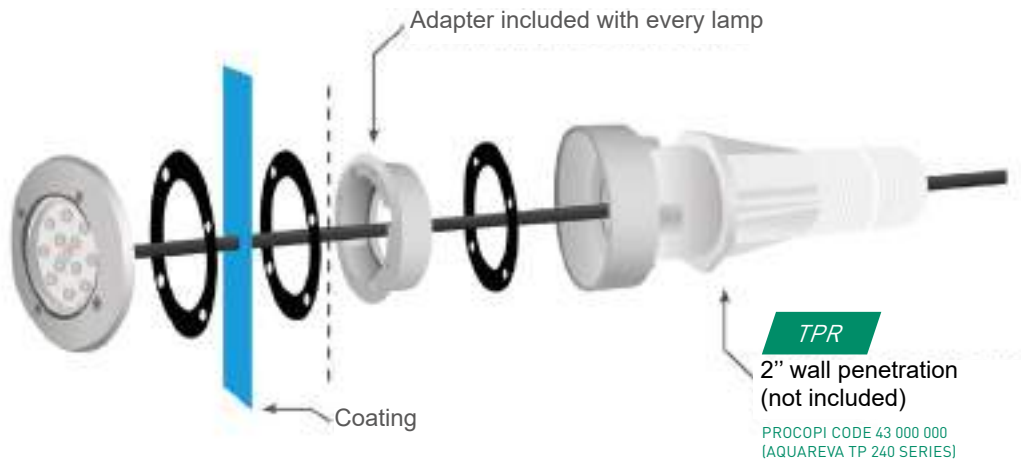


INSTALLATION ADVICE

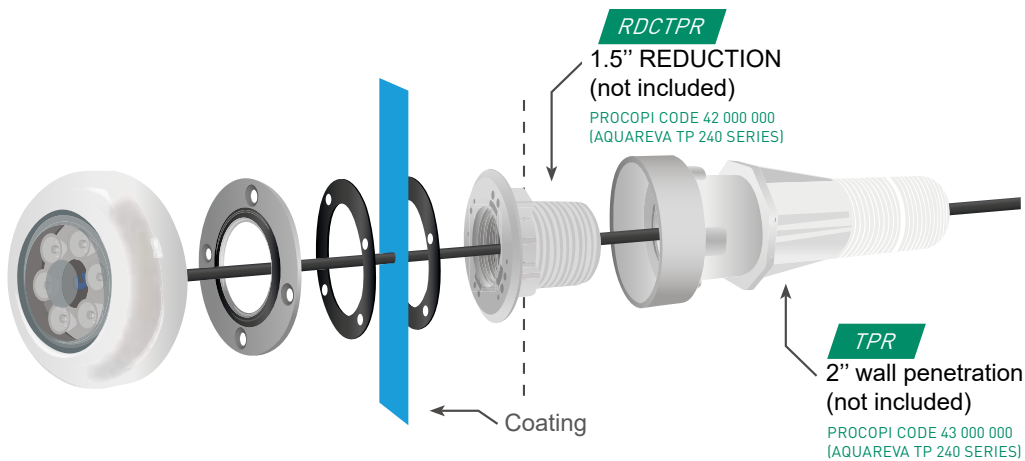
REFERENCE	DESIGNATION	LUMENS	TYPE
LTOP BL	LEDTOP LED lamp for outdoors	1305	white

WALL PENETRATION AND REDUCTIONS

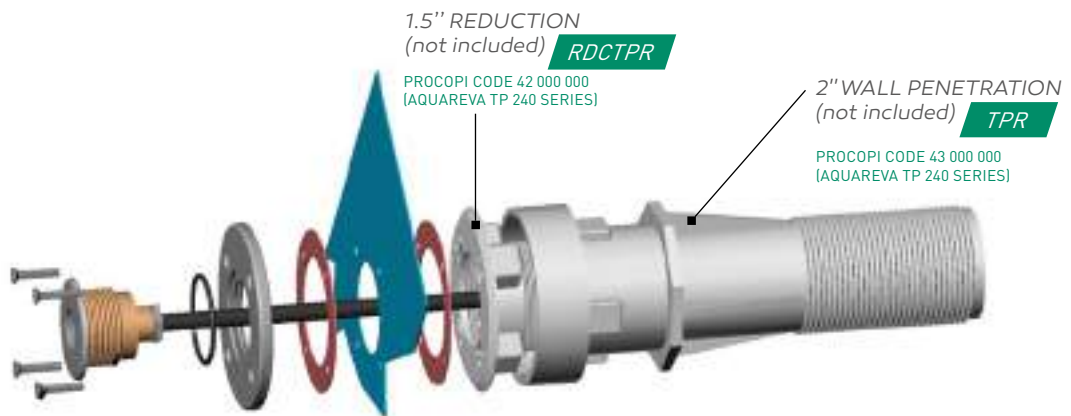
FASTENINGS FOR LIGHT XP 18 AND 21



FASTENINGS FOR LIGHT POOL 6



FASTENINGS FOR STAIR POOL



REFERENCE	DESIGNATION
TPR	2" wall penetration
RDCTPR	2" > 1.5" socket union reducer (STAIR / LIGHT)

DRIVERS AND POWER SUPPLY

FOR MORE INFORMATION ON DRIVERS AND CONTROL SYSTEMS FOR OUR "COLOR" LAMPS, PLEASE CONTACT OUR TECHNICAL OFFICE TEAM.

FOR MONOCHROME LAMPS P.72 AND P.74

POWER SUPPLY 150 W

LK 150/20

Primary 230 V, secondary 20 V DC

UP TO 5 LAMPS LIGHT XP 18

POWER SUPPLY 150 W

LK 150/12

Primary 230 V, secondary 12 V DC

UP TO 5 LIGHT POOL 6 LAMPS

OR MINITI 50 CM



FOR MULTICOLORED LAMPS P.71 AND P.73

DRIVERS

DDL-1/21

FOR 1 A 5 COLOR LAMPS 21 LEDS

DDL-2/21

FOR 6 A 10 COLOR LAMPS 21 LEDS

These DDL drivers can be used to control and power several RGB 4-wire 21 LED lamps using a push button (7 programs), a TLC-DMX remote control (optional), or an external DMX 512 signal.



REMOTE CONTROL FOR DDL DRIVER

TLC-DMX

44 programs available



REFERENCE	DESIGNATION
LK 150/20	POWER SUPPLY 150 W
LK 150/12	POWER SUPPLY 150 W
DDL-ECO	DRIVER ECO for 1 color lamp 21 LEDs
DDL-1/21	DRIVER For 1 to 5 color lamps 21 LEDs
DDL-2/21	DRIVER For 6 to 10 color lamps 21 LEDs
TLC-DMX	Remote control for DDL driver

REMOTE CONTROLS

2-year
WA
warranty*



1-CHANNEL REMOTE CONTROL

- Can be used to control the only lighting mode (3 LED lamps maximum). Program switches via power supply interruption. Its 12 V power supply allows close proximity to the pool. Recommended for equipment with a maximum power of 60 W.
- Comes with a transmitter.



EMETT*



TLC3

2-CHANNEL REMOTE CONTROL (ON/OFF)

- can be used to remotely control one or two modes. 7 programs available Example: lighting + filtration or CCS, etc.
- Comes with a transmitter
- Dimensions: 130 x 110 x 55 mm



EMETT*



TC01

REMOTE CONTROL

- Can be used to control several LED bulbs via power supply interruption.
- 1 ON/OFF channel (filtration, CCS, lighting, terrace, etc.) and 1 LED control channel.
- Comes with a transmitter.
- Dimensions: 130 x 110 x 55 mm



EMETT*



TCOLED

LIST: see spare parts p.91

TRANSMITTER OPTION: see spare parts p.91

OPTION ANTENNA

- Available on TC01 and TCOLED
- Improves radio signal reception

LIST: see spare parts p.91

ANTEN*

BLUESWIM PILOT

Universal Bluetooth® remote control for pool equipment. Can be used to upgrade an electric box being refurbished or to complement the features provided by the **Blueswim E0**

FIND OUT MORE P.24



REFERENCE	DESIGNATION
TLC3	Remote control transmitter + receiver for 3 bulbs maximum
TC01	Electrical box with 1-channel or 2-channel remote control - comes with transmitter
TCOLED	Electrical box with remote control for LED lamps

WATER TREATMENT

Why choose
salt electrolysis?



**SIMPLIFIED WATER
TREATMENT**



**HEALTHIER CHLORINE
FOR SKIN AND EYES**

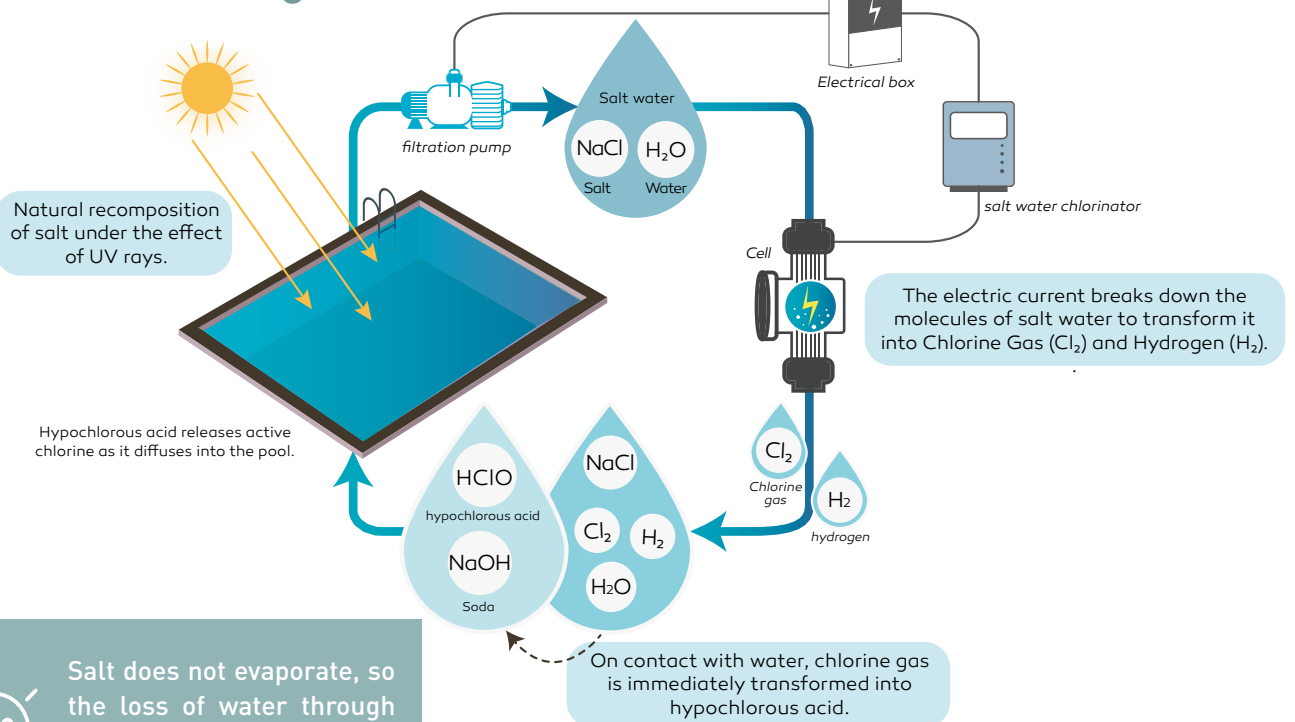


**LESS CHLORINE
IN THE WATER**



**MORE RESPECTFUL
OF THE ENVIRONMENT**

How does
salt electrolysis work?



SALT WATER
CHLORINATORS



Salt does not evaporate, so the loss of water through evaporation increases the salt concentration in the pool.

ELECTROMECHANICAL SALT WATER CHLORINATOR

2-year
WA
warranty*

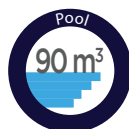


THE ECONOMIC ALTERNATIVE



The electromechanical salt water chlorinator offers an **automated water treatment solution for swimming pools**. Fitted with electromechanical components, this device provides **increased reliability**.

Manual adjustment of chlorine production (4 configurable production levels). **Cell cleaning is simplified** thanks to a **polarity inversion** system, each time filtration is restarted.



- No circuit board
- Cover mode
- Output via indicator light display
- Reverse polarity
- For pools between 40 and 90m³, depending on the model



WITHOUT AN
ELECTRONIC CARD



CHARACTERISTICS

- Dimensions: h.300 x w.225 x d.130 mm
- Maximum salt level 4.5 g/L
- Supplied with an in-line cell



OPTIONS

- ✓ T-shaped earth-electrode
- ✓ Flow sensor (on request)



REFERENCE	DESIGNATION
EEM-40-IPV	ELECTROMECHANICAL ELECTROLYSER FOR 40 M³ POOLS
EEM-60-IPV	ELECTROMECHANICAL ELECTROLYSER FOR 60 M³ POOLS
EEM-90-IPV	ELECTROMECHANICAL ELECTROLYSER FOR 90 M³ POOLS

SALT WATER CHLORINATOR + FILTRATION PACK



EASY TO USE

The salt water chlorinator + the single-phase filtration unit can be easily connected using a power supply cord.
A 100 VA lighting unit and a salt water chlorinator can be connected to the filtration unit by using a 230 V outlet for quick connection.



REFERENCE	DESIGNATION
PACK-EEM-40-IPV	PACK VERSION: ELECTROMECHANICAL SALT WATER CHLORINATOR FOR 40 M³ POOLS + FILTRATION BOX - POWER SUPPLY CORD INCLUDED
PACK-EEM-60-IPV	PACK VERSION: ELECTROMECHANICAL SALT WATER CHLORINATOR FOR 60 M³ POOLS + FILTRATION BOX - POWER SUPPLY CORD INCLUDED
PACK-EEM-90-IPV	PACK VERSION: ELECTROMECHANICAL SALT WATER CHLORINATOR FOR 90 M³ POOLS + FILTRATION BOX - POWER SUPPLY CORD INCLUDED

REVOX'ONE

2-year
warranty*



SALT WATER CHLORINATOR + FILTRATION PACK



EASY TO USE

The Revolu'sel chlorinator + single-phase filtration unit, equipped with the Bluetooth On.e module, are easily connected via a power cord.
A 100 VA lighting unit and a salt water chlorinator can be connected to the filtration unit by using a 230 V outlet for quick connection.

AXON.E FILTRATION BOX



REVOLU'SEL
CHLORINATOR



Equipped
with **On.e** module

see p.22

C-line in-line cell



- ✓ PLUG AND PLAY
- ✓ Slave start for pH controller
- ✓ Servo-controlled socket for chlorinator
- ✓ Without flow sensor (optional)

NEW!

Model 015: 7g/h

Model 40: 10 g/h

Model 60: 15 g/h

NEW!

Model 90: 20g/h

REFERENCE

DESIGNATION

REVOXONE-15-IPV Pack: Revolu'sel 20 m³ pool chlorinator+ Axon.e filtration box with power cord

REVOXONE-40-IPV Pack: Revolu'sel 40 m³ pool chlorinator+ Axon.e filtration box with power cord

REVOXONE-60-IPV Pack: Revolu'sel 60 m³ pool chlorinator+ Axon.e filtration box with power cord

REVOXONE-90-IPV Pack: Revolu'sel 90 m³ pool chlorinator+ Axon.e filtration box with power cord

ACCESSORIES & SPARE PARTS

PRECISE'O	88
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PRECISE'O

SMART FILTRATION AND CONTROL TO REPLACE THE MODULAR TIMER



AFFORDABLE FILTRATION AUTOMATION

This module allows the customer to automatically manage swimming pool filtration or triggers a filtration cycle based on the air or water temperature.

It ensures that the filtration cycle is adapted to the given climate or specific use.

PRECISE'O can be built into all types of modular boxes, whether new or old, to replace the programming timer.

This module can be integrated into a separate IP65 box, using a connection cable (COFPRECIS), if it is not possible to incorporate it to the existing box.



BASIC FUNCTION

	WITHOUT PROBE	WITH AIR T° PROBE	WITH WATER T° PROBE
Timer with power reserve and backup of data over 5 years old	X	X	X
Automatic mode, automatic regulation of filtration cycle based on water temperature.			X
Smart frost-protection mode. When the temperature is between 0° and -3°, 30 minute filtration every hour, beneath -3°, continuous filtration.		X	
Factory program mode (3), triggers filtration at a programmable time for a preset duration.	X	X	X
Customised "winter and summer" modes offer schedules for daily filtration: the start and end times are programmable.	X	X	X
3-day mode, forces filtration for a 72 hours countdown timer.	X	X	X
Total counter of the filtration time	X	X	X

CHARACTERISTICS

- Air T° probe* input and water T° probe* input
- 9 LED display
- Size and fitting identical to the modular timer, to be installed on a DIN Rail
- Easy programming using a dropdown menu

*SEE PROBES AT P.91 (SONDAIR / SONDO 50)



REFERENCE	DESIGNATION
PRECISE'O	PRECISE'O pump control module without probe* To be integrated to modular box
COFPRECIS	PRECISE'O module integrated to a separate box Comes with connection lugs for existing non-modular timer

SPARE PARTS



REFERENCE	DESIGNATION
-----------	-------------

CONTACTOR AUXILIARY

AUXCONFRO	front contactor auxiliary	
-----------	---------------------------	---

PNEUMATIC CONTROLS

ASW IMPUL	Impulse air switch	
ASW MAINT	Hold air switch	
TELERUPTEU	Remote control switch	

CONTACTORS

CONT 4	4 kW contactor	
CONT 5.5	5.5 kW contactor	

LEVEL DETECTORS

CONTNIVEMB	Plug-in level detector	
CONTNIVMOD	Modular level detector	
S411	Stand for plug-in detector	

FLOW SENSOR

CAPTEURDEBIT	Flow sensor	
--------------	-------------	---

SOLENOID VALVES

EV 24	solenoid valve 24 V 1"-female/female	
FILTRE EV	24 V solenoid valve filter	

REFERENCE	DESIGNATION
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PROGRAMMING TIMERS

ON.E	On.e Bluetooth® module for installation in an existing electrical box	
<i>This module replaces the electromechanical clock + contactor + switches for pump and lighting control. Easy to install in a retrofit box, it can also be used to connect an existing electrical box.</i>		
HJ MOD	Modular daily timer	
HJ MOD RS	Modular timer with power reserve	
HJ	Flush-mounted timer	
HJR	Flush-mounted daily timer with power reserve	
HJM1C	1 module daily timer	

SWITCHES – TOGGLE

INT 2 L	2 position switch with single pole lever On/Off with cap	
INT 2 BIP L	2 position switch with double pole lever On/Off with cap	
INV 3 L	3 position toggle diverter with cap Manu/0/Auto	

SWITCHES – ROCKER

INT 2 P	2 position switch On/Off	
INV 3 P	3 position diverter Manu/0/Auto	
CAP	Cap	

non-contractual photos

CIRCUIT BREAKERS

REFERENCE	DESIGNATION
-----------	-------------

SINGLE-PHASE MOTOR CIRCUIT BREAKER (2 POLES)

DJ 1.6M	Thermal magnetic circuit breaker (1/1.6 A)
DJ 2.5 M	Thermal magnetic circuit breaker (1.6/2.5 A)
DJ 4 M	Thermal magnetic circuit breaker (2.5/4 A)
DJ 6.3 M	Thermal magnetic circuit breaker (4/6.3 A)
DJ 10 M	Thermal magnetic circuit breaker (6.3/10 A)
DJ 16 M	Thermal magnetic circuit breaker (10/16 A)



THREE-PHASE MOTOR CIRCUIT BREAKER (3 POLES)

DJ 1.6T	Thermal magnetic circuit breaker (1/1.6 A)
DJ 2.5 T	Thermal magnetic circuit breaker (1.6/2.5 A)
DJ 4 T	Thermal magnetic circuit breaker (2.5/4 A)
DJ 6.3 T	Thermal magnetic circuit breaker (4/6.3 A)
DJ 10 T	Thermal magnetic circuit breaker (6.3/10 A)
DJ 16 T	Thermal magnetic circuit breaker (9/14 A)



D CURVE CIRCUIT BREAKER (FOR SINGLE-PHASE HEAT PUMP)

DJPAC10M	D curve 10 A circuit breaker 230 V
DJPAC16M	D curve 16 A circuit breaker 230 V
DJPAC20M	D curve 20 A circuit breaker 230 V
DJPAC25M	D curve 25 A circuit breaker 230 V



D CURVE CIRCUIT BREAKER (FOR THREE-PHASE HEAT PUMP)

DJPAC10T	D curve 10 A circuit breaker 400 V+ N
DJPAC16T	D curve 16 A circuit breaker 400 V+ N
DJPAC20T	D curve 20 A circuit breaker 400 V+ N



SINGLE-POLE + NEUTRAL CIRCUIT BREAKER

DISJ PH/N 4A	single-pole + neutral circuit breaker 4 A
DISJ PH/N 6A	single-pole + neutral circuit breaker 6 A
DISJ PH/N 10A	single-pole + neutral circuit breaker 10 A
DISJ PH/N 16A	single-pole + neutral circuit breaker 16 A
DISJ PH/N 20A	single-pole + neutral circuit breaker 20 A
DISJ PH/N 25A	single-pole + neutral circuit breaker 25 A
DISJ PH/N 32A	single-pole + neutral circuit breaker 32 A



non-contractual photos

REFERENCE	DESIGNATION
-----------	-------------

AC 30 mA TYPE DIFFERENTIAL SWITCHES

ID 2 X 40	Double-pole differential switch 2 x 40 A - 0.03 A	
ID 2 X 63	Double-pole differential switch 2 x 63 A - 0.03 A	
ID 4 X 40	Four-pole differential switch 4 x 40 A - 0.03 A	
ID 4 X 63	Four-pole differential switch 4 x 63 A - 0.03 A	

PROBES

6 ML PROBE	Stainless steel level probe with 6 MI of cable for infinity pool in holding tank	
SONDAIR	Air temperature probe for PRECISE'0, Blueswim, Hydrapool	
SONDO 50	Water temperature probe with Ø50 mm saddle clamp	
SONDE MDL 2 ML	2 MI level probe for Modul'eau box	
SONDE MDL 5 ML	5 MI level probe for Modul'eau box	
SONDE MDL 10 ML	10 MI level probe for Modul'eau box	
SKIMTOP	Water level regulator probe to be positioned on the upper part of the skimmer for SKIMREGULTOP	

REFERENCE	DESIGNATION
-----------	-------------

TRANSFORMERS

TR 100	Transformer 230 V/12 V - 100 VA	
TR 300	Transformer 230 V/12 V - 300 VA	
TR 600	Transformer 230 V/12 V - 600 VA	

MOLDED TRANSFORMERS

TR 10 MOUL	Transformer 10 VA / 24 V	
TR 100 MOUL	Transformer 100 VA / 12 V	
TR 300 MOUL	Transformer 300 VA / 12 V	
TR 600 MOUL	Transformer 600 VA / 12 V	

VARIOUS PARTS

PRESSOSTAT	Pressure switch for clogging alarm adjustable from 0.25 to 4 bars	
TEMPO	Timer for skimregul adjustable from 0 to 1 minute	
ANTEN	Antenna for TCO1 or TCOLED remote control	
EMETT	Transmitter for TCO1, TCOLED or TLC3 remote control	

non-contractual photos

AFTER-SALES PROCEDURE

WA AFTER-SALES RETURN FORM



**THIS FORM MUST BE INCLUDED
WITH YOUR RETURN PACKAGE**

CUSTOMER:		WA CUSTOMER NO.:	
DOSSIER REF.:	AFTER-SALES contact:		
AFTER-SALES FORM NO. (reserved for WA)		DATE:	
PRODUCT	QUANTITY	REASON FOR RETURN	

RETURN ADDRESS:

WA CONCEPTION
After-Sales Service
15 route de Cablanc
24100 CREYSSE - France

WA CONTACT DETAILS:

E-mail: sav@wa-conception.com

Your S.A.V. package must be returned with this completed form + a copy of the delivery note.

Packages returned without this form cannot be processed.

Return of goods under warranty:

Returned goods will be refurbished and returned free of charge.

In the event of an early exchange (with the prior consent of WA), no invoice will be issued if the return is made within the *period indicated on the after-sales delivery note*.

Returned goods not under warranty:

In the event of an early exchange by WA, the exchanged goods will be invoiced.

In the event of a return of this type, a repair quotation will be sent to you at your request and the return costs will be at your expense.

EXTRACT OF GENERAL CONDITIONS OF SALE

LIABILITY - WARRANTY

The equipment must be used in accordance with its original purpose, the manufacturer's instructions and, more generally, the industry standards and legislation in force.

It is the buyer's responsibility to store the goods in conditions that ensure they are perfectly conserved.

The warranty is valid for two years and is limited to replacement of parts acknowledged as defective by the supplier; it implies that the equipment has not been transformed in any way.

Return and labour costs shall be borne by the customer.

REPAIRS

For all repairs outside the warranty, a quotation will be prepared which must be accepted by the customer before any work can be done. If after disassembly the amount of repair work to be carried out is higher than the initial estimate, SAS WA CONCEPTION will draw up a new quotation which must also be accepted by the customer. All repairs must be paid in accordance with the usual conditions.

[illegible]



TERMS AND CONDITIONS

1 GENERAL

Except for special conditions, all orders automatically imply the unreserved acceptance of these general conditions of sale by our customers. The equipment and accessories on display as well as the manuals and catalogs are not contractual in nature, they can be modified at any time. If at any time SAS WA CONCEPTION does not invoke any of its general conditions of sale, this does not mean that SAS WA CONCEPTION renounces the right to invoke them at a later date.

2 DELIVERY TIMES

Delivery times are provided for information purposes only. Delays may not justify the cancellation of an order or the award of compensation.

3. CONSULTATION AND QUOTATION

Any consultation provided by our services are based solely on the elements provided by the customer or the technical consultation team and cannot engage the responsibility of SAS WA CONCEPTION. Any consultation or quotation not followed by a firm order may be invoiced and remains the property of SAS WA CONCEPTION, which prohibits its use without our consent.

4. ORDER CANCELLATION

Orders are firm and definitive and cannot be canceled without the prior written consent of SAS WA CONCEPTION. In addition, SAS WA CONCEPTION may retain any advance payments made as compensation.

5. UNFORSEEABLE CIRCUMSTANCES - FORCE MAJEURE

Plant accidents, lack of manpower, strikes, disruptions of raw material deliveries, etc., all constitute cases of force majeure entitling us to suspend or extend the agreed delivery times, without this giving rise to a right to compensation to the buyer.

6. LIABILITY - WARRANTY

The equipment must be used in accordance with its original purpose, the manufacturer's instructions and, more generally, the industry standards and legislation in force. It is the buyer's responsibility to store the goods in conditions that ensure they are perfectly conserved. The warranty is for two years and is limited to the replacement of parts recognized as defective by the supplier; it implies that the equipment has not been transformed in any way. Return and labor costs shall be borne by the customer.

7 DELIVERY

Unless otherwise stipulated and irrespective of the method of sale used, the equipment is deemed to be received and accepted by the buyer. Consequently, the goods are always shipped at the risk of the buyer, notwithstanding our retention of title clause. Our company shall not be held liable for any deterioration, damage or loss occurring for any reason whatsoever, in the event of delivery made in the absence of the recipient or on a construction site.

8 TRANSPORT AND RECEIPT OF GOODS

In the event of loss, damage or missing items, the buyer (or his/her representative) must notify the carrier within the time limits and in accordance with the legal requirements. For record-keeping purposes, the customer will submit a copy of the information provided to the carrier. In the event of delivery at the request of the buyer to a location other than his/her residence (such as a station platform, etc.), the customer is obliged to collect the goods as soon as they arrive; any storage costs are at his/her sole expense.

9 COMPLAINTS - DISPUTES

Any complaint relating to the specific features of the goods or their non-conformity with the order must be made to us by registered post within 8 days of receipt. No possible dispute shall entitle our customers to suspend the payment of the corresponding invoices, the payment of which must be made in full on the contractually agreed date.

10 RETURNS - CREDIT NOTES

Invoice credit notes requested by our customers can only be claimed within 3 months of the invoice date. Beyond such time, these requests will no longer be admissible.

11 REPAIRS

For all repairs outside the warranty, a quotation will be drawn up which must be accepted by the customer before any work can take place. If after disassembly the amount of repair work to be carried out is higher than the initial estimate, SAS WA CONCEPTION will draw up a new quotation which must also be accepted by the customer. All repairs must be paid in accordance with the usual conditions.

12 INVOICING

Unless otherwise stated, the prices are those in effect on the date of the invoice. SAS WA CONCEPTION may invoice transport, packaging and handling costs for any order under 800.00 euros.

13 PAYMENT TERMS

Our invoices are to be made payable in full to our head office in CREYSSE. For customers who have signed an account opening agreement with SAS WA CONCEPTION, the terms of payment are within 30 days of the end of month by letter of credit. In the event that the buyer's credit rating deteriorates, SAS WA CONCEPTION reserves the right to demand reliable and creditworthy guarantees. If the customer is unable to meet this requirement, SAS WA CONCEPTION is entitled to suspend or discontinue the features associated with the customer account and any relevant special conditions.

14 LATE PAYMENT - NON-PAYMENT

Late payment on the contractually agreed due date, non-return within 10 days of bills of exchange sent for acceptance, non-payment or lack of funds shall automatically, and without prior notice of default, result in:

- 1 the shortening of the period of payment and the immediate collectability of all outstanding amounts, including invoicing amounts not yet due.
- 2 the collection, as a penalty clause, of an indemnity of 15% calculated on the total amount of the outstanding sums due, in addition to any default costs and legal costs.

15 LATE FEES

In the event of late payment, late payment penalties at a rate of 1.5 times the legal interest rate may be claimed after formal notice. In addition, there is a fixed indemnity of 40 euros for recovery costs (Art. D 441-5, L441-6 & L441-3 French Commercial Code).

16 RETENTION OF TITLE CLAUSE

All our sales are concluded under the retention of title clause (French Law of May 12, 1980). Consequently, the transfer of ownership of our goods to the buyer is suspended until full payment of the invoiced price, the payment being understood as the actual receipt of the price. Until this date and from the date of delivery, the buyer shall bear all risk that the goods may incur.

17 ADMINISTRATIVE JURISDICTION CLAUSE

The Commercial Court of Bergerac, jurisdiction of the head office of SAS WA CONCEPTION, will have sole jurisdiction in the event of a dispute of any nature whatsoever. This clause shall apply even in the event of summary proceedings, incidental claims, third party proceedings or multiple defendants and regardless of the method and terms of payment.



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