

PoolCop

Always. Better. Blue.



CATALOGUE 2024
WITHOUT PRICES

PCFR PoolCop



Our Vision

To bring smart, sustainable and evolutive solutions to the world of aquatics.

At PCFR PoolCop, we've been developing intelligent technologies for 15 years, enabling us to offer solutions for managing the entire pool environment proactively and autonomously.

We innovate, design, develop and manufacture pool equipment and appliances, challenging traditional thinking to offer a totally new experience to pool owners and professionals, while keeping a watchful eye on ecological and economic issues.

Our team of experts, all specialists in their fields, works tirelessly and in close collaboration with pool professionals on an international scale, to respond to today's requirements, and anticipate tomorrow's needs. Reactivity, professionalism, expertise and an open mind: it's by combining these qualities that we are able to develop the most advanced functionalities.

Business Hours

Monday – Friday 09h00 - 12h00 and 14h00 - 17h00 CET
Closed on French public holidays

Catalogue Notes

Images in this catalogue show typical products, actual components may vary; images are non-contractual. We have a permanent research and development program, and consequently we reserve the right to make changes and improvements to any of the products described in this catalogue, without prior notification. Any mention in this catalogue of the "swimming pool owner" refers to the owner of the product(s). The owner may designate a representative to act on his behalf but remains responsible for the decisions and actions of this representative

All prices are recommended public price EXW excluding VAT in EUR (PPHT€)

Contents

POOLCOP: ONE CONCEPT, TWO SOLUTIONS	Page 4
THE BEAUTY OF THE CONNECTED POOL	Page 6
POOLCOP BENEFITS FOR POOL PROFESSIONALS	Page 7
NEW IN 2024	Page 8
POOLCOP GENESIS	Page 10
Pre-Mounted Panels	Page 12
Packs	Page 14
Modular	Page 15
POOLCOP EVOLUTION	Page 16
Packs	Page 18
Modular	Page 19
FILTER CONNECTION KITS	Page 20
POOLCOP OPTIONS	
WATER LEVEL KITS	Page 22
SENSOR KITS for pH+ORP	Page 22
TREATMENT EQUIPMENT	
PoolCop Ocean	Page 23
Conductivity Sensor	Page 23
PoolCop Lagoon	Page 24
Flow Detection	Page 24
Chemical Injection Pumps	Page 24
Chemical Low Level Sensors	Page 25
ADDITIONAL OPTIONS	
Extension Module	Page 25
Digital Flow Meter	Page 26
Waste Back Up Valve	Page 26
Flooding Detector	Page 27
Cellular Router	Page 27
Energy Meter IoT	Page 27
Free Available Chlorine Sensor	Page 28
Proximity Sensor	Page 28
DIGITAL RESSOURCES & DOWNLOADS	Page 29
GENERAL INFORMATION	Page 29

PoolCop



ONE CONCEPT, TWO SOLUTIONS

Cutting-edge technologies and the Big Data Cloud platform bring an innovative solution to swimming pool maintenance and management.

Using advanced sensors and smart algorithms, PoolCop monitors what's happening in real-time, and analyzes the information it collects and logs. Equipped with a unique machine-learning capability, PoolCop gets to understand and predict each individual pool's behaviour, and calculates the best care routine accordingly.

Instantaneous adjustments and intelligent features keep water consumption, energy and chemical products to a strict minimum, prolonging the lifespan of the equipment, and transforming pool maintenance from the reactive to the proactive..

Whether it's a private or public pool, a new build, renovation or upgrade, PoolCop simplifies the daily tasks for pool professionals and brings pleasure back to pool owners, all from one control unit. But beyond that, the system is constantly addressing the ever growing environmental issues in order to be one step ahead of demands and provide smart solutions well before they become mandatory.

INCORPORATED FEATURES

Standard Features



Fully open system



Monitoring and control via web interface



Pool portfolio remote management



Unlimited water volume (Genesis)



Flow rate up to 30 m³/h (Evolution)



Integrated RJ45 and Modbus communications

Key Functionalities



Filtration programming



Pump control and variable speed adjustment



Automatic filter cleaning



Water level control - refill and reduction



Water temperature control



Water pressure monitoring



Pool cover monitoring and control



Control of additional equipment: cleaner, lighting, jet stream, fountain, heating...



Antifreeze protection

Water Treatment



Water balance control



pH control



Disinfection control



Combined sensor for pH and ORP with floating earth



Overdosing security



Drum level control

Smart Features



Early leak detection



Pool light control based on ephemeris



Weather dependent automatic refilling



Water analysis via Bluetooth



Smart floating setpoint



Remote sensor calibration

Integrated Technology



Smart algorithms and machine learning technology



Cloud AI technology



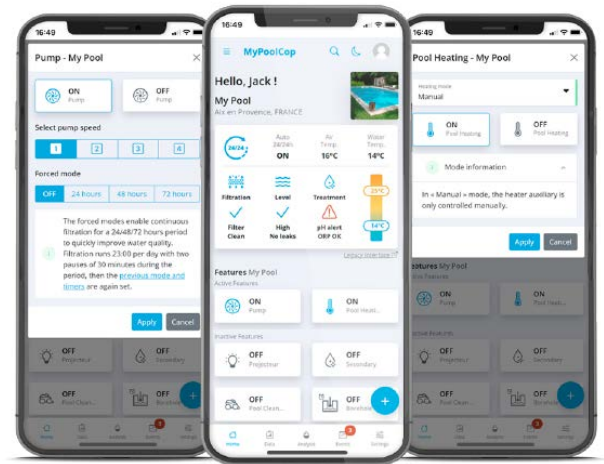
Automatic firmware updates

THE BEAUTY OF THE CONNECTED POOL

Constant monitoring and fine-tuning means that pool maintenance responds to what each pool actually needs to keep it in shape. Everything is calculated, regulated, and just right.

PoolCOP produces status reports in real time so that owners and professionals can control every aspect of the pool remotely from any connected device.

With everything perfectly under control, your pool simply gets better and better every day. The result is a healthy pool, with perfectly balanced water.



WHY IS **PoolCOP** THE SOLUTION?

A totally open system for universal installation, in any pool, with any equipment, anytime, anywhere.

Real time control and data for residential or commercial pools and spas.

Cellular connection option for constant reliable connection, because when it's mission critical, you need the data.

Long-life sensors, reducing the need to calibrate, and using "floating reference" technology.

Always up to date via automatic OTA firmware updating, a common feature set in all pools.

Designed to be repaired not replaced, with extended life and spares available for years to come.

Controls additional features such as water level, lighting, temperature, flooding detection, ppm sensors, energy meter, digital flow, and much more.

No hidden fees or recurring charges for our software portal and cloud access.

THE DATA DON'T LIE

*'PoolCOP Cloud'
powered by BigPool
and FlowEngine*

CLOUD TECHNOLOGY Increase pool performance each and every day.

Real time insights into essential and critical functions, combined with data trending, brings instantaneous visualization and service-focused analysis of the status of all pools, spas and aquatic facilities/venues.

The PoolCOP Cloud, powered by BigPool and FlowEngine, is able to provide the answer before the question has even arisen, using proactive and predictive big data modeling and smart learning AI algorithms.

POOLCOP BENEFITS FOR POOL PROFESSIONALS



REMOTELY MONITOR YOUR
POOL PORTFOLIO STATUS



RECEIVE IMMEDIATE ALERTS
FOR A TIMELY RESPONSE



PLAN YOUR SERVICE
CALLS PROACTIVELY



CONFIGURE EVERY POOL
TO WORK AT ITS BEST



SAVE TIME AND EXPENSES
ON UNNECESSARY TRAVEL



PROVIDE INNOVATIVE
RESPONSES TO
CUSTOMERS DEMANDS

WE ARE HERE TO HELP YOU

Commercial Support

Our commercial team is ready to help you, the pool professional, to formulate your customer offer.

PoolCop's qualified experts are on hand with comprehensive advice on a range of solutions, from the simplest installation to complex commercial multi-filter, multi-pump pool configurations. PoolCop has the products, options, and features to handle the most demanding situations.

Technical support

Quality technical support is central to what we do. Based in the PoolCop production facility, the team works with pool professionals, analyzing individual pool data to quickly diagnose any issue.

The technical support staff liaise with our commercial and R&D teams, ready to guide pool professionals in understanding how efficiently every pool in their portfolio is running.

Installation and Set Up

The customer support service is available to assist pool professionals through the initial PoolCop installation, configuring the equipment according to each individual pool's requirements.

We can work with you to set parameters to suit your needs and follow your initial testing to be sure everything is working perfectly.

PoolCop University



BECOME A CONNECTED POOL EXPERT

Fast-track your learning and skills

This comprehensive training programme includes everything you need to demonstrate the solution and its advantages, install the equipment, and help customers reap the benefits of remote pool monitoring and service. With PoolCop University, you'll soon master the essential elements of an automated pool portfolio.

Even as an experienced professional you will benefit from refreshing and enhancing your knowledge and skills.

Our trainings are held at our production facility, with an emphasis on workshops and group sessions conducted by our PoolCop specialists.

NEW IN 2024

PoolCop Genesis

Pre-installed
Pre-cabled
Ready to go!



Air Temperature Sensor

Flow Cell
with Water Pressure,
Water Temperature
and pH+ORP Sensors

Chemical Low Level
Weighted Sensors

PRE-MOUNTED PANELS

Simplified installation for a
completely automated pool.

Our panel mounted PoolCop Genesis packs come pre-installed and pre-cabled, for a quicker and easier installation in any pump house.

The panels are available in chlorine or salt options, and both solutions come with weighted chemical drum sensors, a pH+ORP sensor with floating reference, water pressure and water temperature sensors, air temperature sensor, and the flow cell.

The panel can be completed with additional options for total pool management (XM8, flow meter, free-available chlorine sensor, energy meter, router...), and can evolve with the pool by adding equipment as and when required.

See pages 12 and 13



PRODUCT ADVANTAGES

- Simple installation for both new and experienced pool professionals
- Compact size - 65x75 cm
- Pre-cabled products and options
- Incorporated power supply in the main unit (DCCU)
- Compatible with all additional options



PoolCop Lagoon

Simple, compact and efficient, for perfect disinfection with salt concentration as low as 2,5 grams per liter, offering a natural swimming experience for bathers, and a substantially reduced impact on the environment.

See page 24

Digital FlowVis® Kit



Real-time readings, monitoring and control of flow rates, no matter what the configuration of the pump house, directly from any digital device.

See page 26

Flooding Detector



Small and robust, this is essential for protecting all costly electrical and mechanical equipment in high flood risk or sub level pump houses.

See page 27

PoolCop Genesis



Impressive compatibility and essential features for a fully automated pool

PoolCop Genesis is an integral control system, managing all the daily operations of a swimming pool. What makes it unique is its flexibility.

As well as the essential functions, such as filtration, water temperature, water level, water balance, and disinfection, PoolCop Genesis controls all types of filters, including cartridge, and third party automatic valves to manage filter cleaning.

This totally open and highly compatible smart system is the perfect solution for all pool dimensions, from spas to olympic sized pools, with no limitations on flow rates.

The disinfection is accurately managed via the 2-in-1 pH+ORP sensor installed in the flow cell, which can be mounted vertically or horizontally.

All the intelligent features, data analysis and machine learning are included, making it a complete powerhouse genius for any residential or commercial pool.

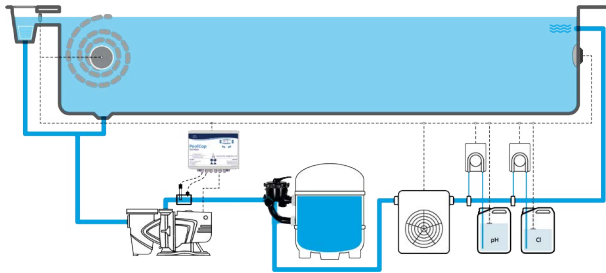
See page 5 for the list of incorporated features



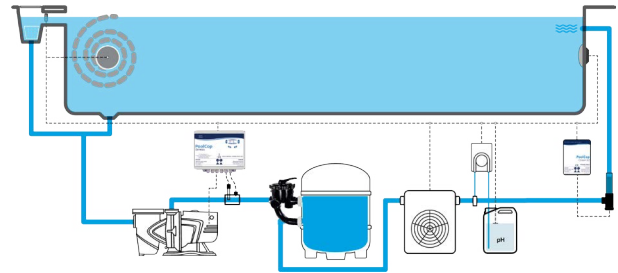
PRODUCT ADVANTAGES

- Open system, compatible with all third party equipment
- All spas and pools, and all flow rates
- Both residential and commercial pools
- All filter types, including cartridge filters
- Controls third party automatic valves
- Display and control on the unit and via the dedicated interface
- Unique pH+ORP sensors with floating reference
- 8 programmable relays: 2 preprogrammed (pump & pH) and 6 multifunction auxiliaries
- 2 programmable inputs
- Compatible with additional accessories and equipment

TYPICAL CHLORINE INSTALLATION



TYPICAL SALT INSTALLATION



TECHNICAL SPECIFICATIONS

REFERENCE	GNA30AA-D
MAXIMUM FLOW	
MAIN POWER SUPPLY, CONSUMPTION	220VAC / 50Hz 0.4 A
PACK CONTENTS	<ul style="list-style-type: none"> • Data Control and Communication Unit DCCU with 8 relays, 2 inputs • Flow Cell with water pressure and water temperature sensors, and housing for a pH+ORP sensor (sensor sold separately) • Air temperature sensor • Accessory pack with installation and user guide
GUARANTEE	24 months
DISPLAY AND CONTROLS	On the DCCU, via web interfaces
CCU PROTECTION	IP54
OPERATING TEMPERATURE	-5°C to +45°C
PH AND ORP SENSORS "FLOATING REFERENCE"	SO4912 for CL injection; SO4913 for Electrolysis
MEASUREMENT RANGES	Air temperature: -30°C to +65°C Water temperature: 0°C to +60°C Water pressure: -0.9 to 2.5 bar Water level: Very High - High - Normal - Low pH S.U.: 4-14 ORP/Redox: 0 to 999mV Consumables level: Normal - Low
PROGRAMMABLE RELAYS	Pump: 1 relay, 0-230VAC 6A Auxiliaries: 6 multifunctional relays, 0-230VAC 6A Regulation pH: 1 relay, 0-230VAC 6A
PROGRAMMABLE INPUTS	Inputs: 2, potential free, open/closed action
COMPLIANCE, ACCREDITATION, CERTIFICATION	CE, WEEE (UL & NSF 50 Certified versions available)
INSTALLATION COMPATIBILITY	<ul style="list-style-type: none"> • New swimming pool • Swimming pool upgrade
COMPATIBLE OPTIONS	<ul style="list-style-type: none"> • Water level kit • Treatment packs • XM8 Extension Module • Flow Meter • Waste Backup Valve • Flooding Detection • Cellular Router • IoT Energy Meter • Free Available Chlorine Sensor • Third Party Automatic Valves (Besgo) • Variable speed pumps

POOLCOP GENESIS Pre-Mounted Panels



POOLCOP GENESIS PANEL with Dosing Pumps

PNG2001-D Panel Mounted Pack PoolCOP Genesis Chlorine

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Pt Sensor (chlorine)
- 2 Peristaltic Pump Kits 3 L/hr, and 2 Weighted Level Sensors
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€



POOLCOP GENESIS PANEL with Dosing Pumps and XM8

PNG2002-D Panel Mounted Pack PoolCOP Genesis Chlorine + XM8

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Pt Sensor (chlorine)
- 2 Peristaltic Pump Kits 3 L/hr, and 2 Weighted Level Sensors
- PoolCOP XM8 Module
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€



POOLCOP GENESIS PANEL with Dosing Pumps, XM8 and FlowVis® Flow Meter

PNG2003-D Panel Mounted Pack PoolCOP Genesis Chlorine + XM8 + FlowVis

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Pt Sensor (chlorine)
- 2 Peristaltic Pump Kits 3 L/hr, and 2 Weighted Level Sensors
- PoolCOP XM8 Module
- FlowVis® Flow Meter 2.0" and FlowVis® digital sensor with 8m cable, 2 extended length screws and PVC pipe reduction
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP GENESIS Pre-Mounted Panels



POOLCOP GENESIS PANEL with Electrolysis

PNG3001-D Panel Mounted Pack PoolCop Genesis Lagoon

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Au Sensor (salt)
- 1 Peristaltic Pump Kit 3 L/hr. and 1 Weighted Level Sensors
- PoolCop Lagoon Power Pack (230 VAC)
- PoolCop Lagoon Cell
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€



POOLCOP GENESIS PANEL with Electrolysis and XM8

PNG3002-D Panel Mounted Pack PoolCop Genesis Lagoon + XM8

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Au Sensor (salt)
- 1 Peristaltic Pump Kit 3 L/hr. and 1 Weighted Level Sensors
- PoolCop Lagoon Power Pack (230 VAC) with Cell
- PoolCop XM8 Module
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€



POOLCOP GENESIS PANEL with Electrolysis, XM8 and FlowVis® Flow Meter

PNG3003-D Panel Mounted Pack PoolCop Genesis Lagoon + XM8 + FlowVis

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Au Sensor (salt)
- 1 Peristaltic Pump Kit 3 L/hr. and 1 Weighted Level Sensors
- PoolCop Lagoon Power Pack (230 VAC) with Cell
- PoolCop XM8 Module
- FlowVis® Flow Meter 2.0" and FlowVis® digital sensor with 8m cable, 2 extended length screws and PVC pipe reduction
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP GENESIS Packs

POOLCOP GENESIS with Chemical Injection



GNA30CL-D

Pack PoolCOP Genesis Chlorine

230VAC

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Pt Sensor (chlorine)
- 2 Kits Peristaltic Pump 3 l/hr, and 2 Kits Suction Wand 50cm
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP GENESIS with Electrolysis



GNA30LN12-D

Pack PoolCOP Genesis Lagoon 120

230VAC

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Au Sensor (salt)
- Kit Peristaltic Pump 3 l/hr, and Kit Suction Wand 50cm
- PoolCOP Lagoon
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP GENESIS with Electrolysis + Hydrolysis



GNA30OC06-D

Pack PoolCOP Genesis Ocean 60

230VAC

GNA30OC12-D

Pack PoolCOP Genesis Ocean 120

230VAC

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- pH+ORP Au Sensor (salt)
- Kit Peristaltic Pump 3 l/hr, and Kit Suction Wand 50cm
- PoolCOP Ocean
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP GENESIS Modular



GNA30AA-D

PoolCop Genesis

230VAC

Includes:

- Data Control Communication Unit DCCU (230VAC), 8 Relays, 2 Inputs
- Flow Cell with Water Pressure and Temperature Sensors, plus placement of pH+ORP Sensor
- Air Temperature Sensor
- Accessories Pack with Installation and User Guide
- Guarantee 24 Months
- Eco participation 0.12€



Water Level



NI5100



NI4100

NI5100

Water Line or Skimmer Kit

NI4100

Water Level Kit for Buffer Tank

Sensor Kits



SO4912

pH+ORP Pt Sensor Kit

Chlorine

SO4913

pH+ORP Au Sensor Kit

Salt

Water Treatment



OC0060



LN4000

OC0060

PoolCop Ocean 60

OC0120

PoolCop Ocean 120

OC0200

PoolCop Ocean 200

OC1002

PoolCop Ocean Conductivity Sensor Kit

LN4000

PoolCop Lagoon 120

GN4204

Flow Switch Kit



PD2030



PD2009

PD2030

Peristaltic Pump Kit 3.0L/h

PD2010

Suction Wand 50cm with level detection

PD2011

Suction Wand 80cm with level detection

PD2009

Level Sensor - Weighted

Additional Options



AC6800-D



AC5405

AC6800-D

PoolCop XM8 Module

AC5405

FlowVis® Flow Meter Kit 2.0"

VN3004

Waste Backup Valve Kit

AC1015

Flooding Sensor Kit

PI4100

Cellular Router Kit EU 14 Go

AC5610

Energy Meter IoT Monophase

AC5620

Energy Meter IoT Multiphase

AC5302

Free Available Chlorine Sensor Installation Pack EU

AC5305

Free Available Chlorine Proximity Sensor



VN3004



PI4100

PoolCop Evolution



The A-to-Z solution for pool management

Whether it's filtration, water temperature, lighting, water level, water balance or disinfection, all functions are controlled, managed and optimised.

PoolCop Evolution then brings a new dimension to pool maintenance by monitoring the condition of the filter and intervening when needed.

Filter cleaning is the critical task for clean and healthy water, yet often neglected as it requires manual intervention in the equipment room. Evolution not only manages the backwash as and when needed, but also intelligently by using excess water in the pool when possible.

It's automatic 6-way valve system is compatible with all side mounted filters dedicated to granular media, such as sand or glass, and is designed to handle flow rates up to 30 cubic metres per hour.

The disinfection is managed according to the specific needs of the moment via a unique 2-in-1 pH+ORP sensor with a floating reference for unmatched accuracy.

All this, combined with the smart features, data analysis and machine learning, make PoolCop Evolution the comprehensive solution for complete pool automation.

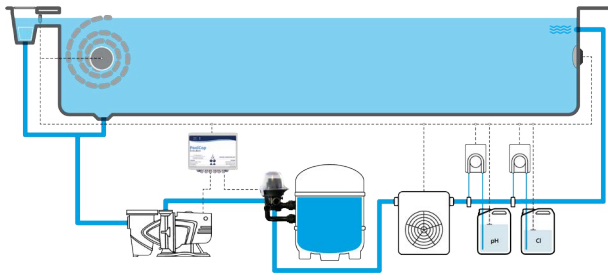
See page 5 for the list of incorporated features



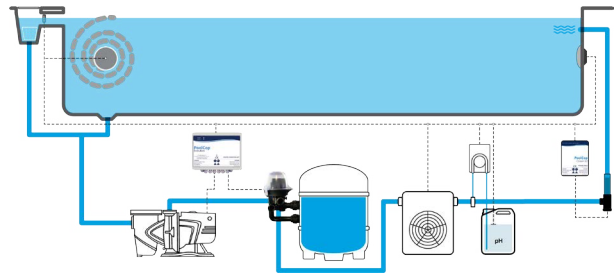
PRODUCT ADVANTAGES

- Open system, compatible with all third party equipment
- Automatic filter cleaning
- All pools for flow rates up to 30 m³/h
- Both residential and commercial pools
- Display and control on the valve unit and via the dedicated interface
- Unique pH-ORP sensors with floating reference
- 8 programmable relays: 2 preprogrammed (pump & pH) and 6 multifunction auxiliaries
- 2 programmable inputs
- Compatible with additional accessories and equipment, including variable speed pumps

TYPICAL CHLORINE INSTALLATION



TYPICAL SALT INSTALLATION



TECHNICAL SPECIFICATIONS

PoolCop Evolution 1.5"

PoolCop Evolution 2.0"

REFERENCE	ESB15AA-D	ESB20AA-D
MAXIMUM FLOW	16m ³ /hr	30m ³ /hr
MAIN POWER SUPPLY, CONSUMPTION	220VAC / 50Hz 0.4 A	
BACKUP BATTERY POWER SUPPLY	12VDC 1.2Ah SLA	
PACK CONTENTS	<ul style="list-style-type: none"> • Valve Data Unit VDU with water pressure and water temperature sensors • Control Communication Unit CCU with 8 relays, 2 inputs • Air temperature sensor • Valve housing with threaded inserts • Accessory pack with installation and user guide 	
GUARANTEE	24 months	
DISPLAY AND CONTROLS	On the VDU, via web interfaces	
CCU PROTECTION	IP54	
OPERATING TEMPERATURE	-5°C to +45°C	
PH AND ORP SENSORS "FLOATING REFERENCE"	SO4902 for CL injection; SO4903 for Electrolysis	
MEASUREMENT RANGES	Air temperature: -30°C to +65°C Water temperature: 0°C to +60°C Water pressure: -0.9 to 2.5 bar Water level: Very High - High - Normal - Low pH S.U.: 4-12 ORP/Redox: 0 to 999mV Consumables level: Normal - Low	
PROGRAMMABLE RELAYS	Pump: 1 relay, 0-230VAC 6A Auxiliaries: 6 multifunctional relays, 0-230VAC 6A Regulation pH: 1 relay, 0-230VAC 6A	
PROGRAMMABLE INPUTS	Inputs: 2, potential free, open/closed action	
COMPLIANCE, ACCREDITATION, CERTIFICATION	CE, WEEE (UL & NSF 50 Certified versions available)	
INSTALLATION COMPATIBILITY	<ul style="list-style-type: none"> • New swimming pool • Swimming pool upgrade 	
COMPATIBLE OPTIONS	<ul style="list-style-type: none"> • Water level kit • Treatment packs • XM8 Extension Module • Flow Meter • Waste Backup Valve • Flooding Detection • Cellular Router • IoT Energy Meter • Free Available Chlorine Sensor • Variable speed pumps 	

POOLCOP EVOLUTION Packs

POOLCOP EVOLUTION with Chemical Injection



ESB15CL-D	Pack PoolCOP Evolution 1.5" Chlorine	230VAC 16m³/h
ESB20CL-D	Pack PoolCOP Evolution 2.0" Chlorine	230VAC 30m³/h

Includes:

- Valve Data Unit VDU with Water Pressure and Temperature Sensors
- Control Communication Unit CCU (230VAC) with 8 Relays, 2 Inputs
- Air Temperature Sensor
- Valve Housing, with threaded inserts
- pH+ORP Pt Sensor (chlorine)
- 2 Peristaltic Pump Kits 3 L/hr, and 2 Suction Wand Kits 50cm
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP EVOLUTION with Electrolysis



ESB15LN12-D	Pack PoolCOP Evolution 1.5" Lagoon 120	230VAC 16m³/h
ESB20LN12-D	Pack PoolCOP Evolution 2.0" Lagoon 120	230VAC 30m³/h

Includes:

- Valve Data Unit VDU with Water Pressure and Temperature Sensors
- Control Communication Unit CCU (230VAC) with 8 Relays, 2 Inputs
- Air Temperature Sensor
- Valve Housing, with threaded inserts
- pH+ORP Au Sensor (salt)
- Peristaltic Pump Kit 3 L/hr, and Suction Wand Kit 50cm
- PoolCOP Lagoon
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€

POOLCOP EVOLUTION with Electrolysis + Hydrolysis



ESB15OC06-D	Pack PoolCOP Evolution 1.5" Ocean 60	230VAC 16m³/h
ESB20OC12-D	Pack PoolCOP Evolution 2.0" Ocean 120	230VAC 30m³/h

Includes:

- Valve Data Unit VDU with Water Pressure and Temperature Sensors
- Control Communication Unit CCU (230VAC) with 8 Relays, 2 Inputs
- Air Temperature Sensor
- Valve Housing, with threaded inserts
- pH+ORP Au Sensor (salt)
- Peristaltic Pump Kit 3 L/hr, and Suction Wand Kit 50cm
- PoolCOP Ocean
- Accessories Pack with Installation and User Guide
- Guarantee: see products in the pack for details
- Eco participation 0.12€



Spare Parts for Annual Maintenance

PC1207	Kit Diffuser Replacement 1.5"
PC1208	Kit Diffuser Replacement 2.0"
CO2202	Battery 12V VRLA FR



PC1207 / PC1208

CO2202

POOLCOP EVOLUTION Modular



ESB15AA-D PoolCop Evolution 1.5"

230VAC
16m³/h

ESB20AA-D PoolCop Evolution 2.0"

230VAC
30m³/h

Includes:

- Valve Data Unit VDU with Water Pressure and Temperature Sensors
- Control Communication Unit CCU (230VAC) with 8 Relays, 2 Inputs
- Air Temperature Sensor
- Valve Housing, with threaded inserts
- Accessories Pack with Installation and User Guide
- Guarantee 24 Months
- Eco Participation 0.12€

Water Level



NI5100

NI4100

NI5100 Water Line or Skimmer Kit
NI4100 Water Level Kit for Buffer Tank

Sensor Kits



SO4902 pH+ORP Pt Sensor Kit Chlorine
SO4903 pH+ORP Au Sensor Kit Salt

Water Treatment



OC0060

LN4000

OC0060 PoolCop Ocean 60
OC0120 PoolCop Ocean 120
OC0200 PoolCop Ocean 200
OC1002 PoolCop Ocean Conductivity Sensor Kit
LN4000 PoolCop Lagoon 120
GN4204 Flow Switch Kit
PD2030 Peristaltic Pump Kit 3.0L/h
PD2010 Suction Wand 50cm with level detection
PD2011 Suction Wand 80cm with level detection
PD2009 Level Sensor - Weighted

Additional Options



AC6800-D

AC5405

VN3004

PI4100

AC6800-D PoolCop XM8 Module
AC5405 FlowVis® Flow Meter Kit 2.0"
VN3004 Waste Backup Valve Kit
AC1015 Flooding Sensor Kit
PI4100 Cellular Routeur Kit EU 14 Go
AC5610 Energy Meter IoT Monophase
AC5620 Energy Meter IoT Multiphase
AC5302 Free Available Chlorine Sensor Installation Pack EU
AC5305 Free Available Chlorine Proximity Sensor

FILTER CONNECTION KITS for PoolCOP Evolution

Simplify fitting PoolCOP Evolution to any side mounted filter with these Connection Kits

For PoolCOP Evolution 1.5" (50mm)

CK1501	Filter Connection Kit Hayward 1.5"
CK1503	Filter Connection Kit Astral, Espa, MMC, Certikin, PPG Poltank, Zodiac, SNTE & Jupiter >2007 1.5"
CK1504	Filter Connection Kit Kripsol, SuperPool LKR, Hayward ProSeries HLTL <12/2018 1.5"
CK1505	Filter Connection Kit Europa Evo, Platinum 1.5"
CK1506	Filter Connection Kit Aqualux L1.5"
CK1507	Filter Connection Kit Aqualux C1.5"
CK1508	Filter Connection Kit Waterco Lacron 16" <2004 1.5"
CK1509	Filter Connection Kit Waterco Lacron <2004 1.5"
CK1510	Filter Connection Kit Pentair SR 1.5"
CK1512	Filter Connection Kit SuperPool, Emaux, VIPool, ACIS 1.5"
CK1514	Filter Connection Kit SNTE Jupiter <2007, Titan <2007 1.5"
CK1516	Filter Connection Kit Python, RTM 1.5"
CK1517	Filter Connection Kit Calplas 1.5"
CK1518	Filter Connection Kit Waterco 1.5" Lacron >2004, Micron, CBI 1.5"
CK1519	Filter Connection Kit Hayward FG, Pomaz Aqua Easy 1.5"
CK1521	Filter Connection Kit SF 1.5"
CK1522	Filter Connection Kit Hayward HL, HLBTL, HLTL >12/2018 1.5"
CK1524	Filter Connection Kit AQUA Aquarius, Pentair Poseidon & Triton Lite 1.5"
CK1525	Filter Connection Kit Vitalia 1.5"
CK1526	Kit Connexion Filtre BEHNCKE 1.5"

For PoolCOP Evolution 2.0" (63mm)

CK2001	Filter Connection Kit Hayward 2.0"
CK2003	Filter Connection Kit Astral, Espa, MMC, Certikin, SNTE & Jupiter >2007 2.0"
CK2004	Filter Connection Kit Kripsol, SuperPool LKR, Hayward ProSeries HL, HLTL, HLBTL 2.0"
CK2005	Filter Connection Kit Europa Evo, Platinum 2.0"
CK2006	Filter Connection Kit Aqualux L2.0"
CK2007	Filter Connection Kit Aqualux C2.0"
CK2009	Filter Connection Kit Waterco Micron 2.0"
CK2010	Filter Connection Kit Pentair SR 2.0"
CK2012	Filter Connection Kit SuperPool, Emaux, VIPool, ACIS, Vitalia 2.0"
CK2014	Filter Connection Kit SNTE Jupiter <2007, Titan <2007 2.0"
CK2016	Filter Connection Kit Python, RTM 2.0"
CK2017	Filter Connection Kit Calplas 2.0"
CK2018	Filter Connection Kit Waterco Lacron CBI, PPG Deluxe 2.0"
CK2019	Filter Connection Kit Hayward FG, Pomaz Aqua Easy 2.0"
CK2023	Filter Connection Kit Waterline Capri 2.0"
CK2024	Filter Connection AQUA Aquarius, Pentair Poseidon & Triton Lite 2.0"
CK2026	Filter Connection Kit BEHNCKE 2.0"

POOLCOP OPTIONS

Full product details and kit contents for our range of options




WATER LEVEL KITS	Page 22
SENSOR KITS	Page 22
TREATMENT EQUIPMENT	
PoolCop Ocean	Page 23
Conductivity Sensor	Page 23
PoolCop Lagoon	Page 24
Flow Switch	Page 24
Chemical Injection Pumps	Page 24
Chemical Low Level Sensors	Page 25
ADDITIONAL OPTIONS	
XM8	Page 25
Digital Flow Meter	Page 26
Waste Backup Valve	Page 26
Flooding Detection	Page 27
Cellular Router	Page 27
Energy Meter IoT	Page 27
Free Available Chlorine Sensor	Page 28
Proximity Sensor	Page 28

WATER LEVEL KITS

Our water level kits, for either classic or overflow pools, are equipped with 4 sensors (very high, high, normal, low) to send accurate water level measurements directly to the PoolCop unit. The readings and analysis from the sensors allow PoolCop to respond in multiple ways; leak detection, weather dependent refilling, intelligent use of surplus water for backwashing (PoolCop Evolution or PoolCop Genesis equipped with an automatic valve) etc.

Water Line or Skimmer (classic pools)

	NI5100	Water Level Kit for Water Line or Skimmer	
	Includes:	<ul style="list-style-type: none">• Level Sensor (4 fixed levels with 20m cable)• Solenoid Valve (24VAC)• Non-return Valve, Stop Valve ¼ Turn, Connector Kit• 2 Saddle Clamps (D50mm and D63mm)• Guarantee 24 months• Eco participation 0.42€	
	Compatibility	PoolCop Evolution - PoolCop Genesis	


Buffer Tank (overflow pools)

	NI4100	Water Level Kit for Buffer Tank	
	Includes:	<ul style="list-style-type: none">• 4 Buffer Tank Level Sensors (Stainless Steel with 6m cable)• Solenoid Valve (24VAC)• Non-return Valve, Stop Valve ¼ Turn, Connector Kit• 2 Saddle Clamps (D50mm and D63mm)• Guarantee 24 months• Eco participation 0.42€	
	Compatibility	PoolCop Evolution - PoolCop Genesis	

SENSOR KITS FOR pH + ORP

These unique 2-in-1 sensors integrate both pH and ORP measurements, and include a floating reference to ensure the readings are accurate and reliable, without impact from electrical charges in the sampled water, and a longer life span of the sensor. Each sensor is simply installed directly in the Evolution valve or the Genesis flow cell.

pH+ORP Sensors for PoolCop Evolution

	SO4902	pH+ORP Pt Sensor Kit PoolCop Evolution *	Chlorine
	SO4903	pH+ORP Au Sensor Kit PoolCop Evolution	Salt
		* Use this sensor for chlorine, bromine, hydrogen peroxide, etc.	
	Includes:	<ul style="list-style-type: none">• Floating Reference Technology Sensor with 20cm cable• Sensor Nut, Grip Washer, Compression Rings, Sensor O-Ring• Guarantee 24 months• Eco participation 0.12€	
	Compatibility	PoolCop Evolution ONLY	

pH+ORP Sensors PoolCop Genesis



SO4912	pH+ORP Pt Sensor Kit PoolCop Genesis *	Chlorine
SO4913	pH+ORP Au Sensor Kit PoolCop Genesis	Salt

* Use this sensor for chlorine, bromine, hydrogen peroxide, etc.
Includes:

- Floating Reference Technology Sensor with 20cm cable
- Sensor Nut, Grip Washer, Compression Rings, Sensor O-Ring
- Guarantee 24 months
- Eco participation 0.12€

Compatibility PoolCop Genesis ONLY

TREATMENT EQUIPMENT

PoolCop Ocean

PoolCop Ocean, our high end salt chlorinator with Sugar Valley technology, is the solution for advanced oxidation to ensure perfect water quality with salt concentrations as low as 0.5 grams per liter and as high as sea water.

Connecting this to a PoolCop unit with integrated Modbus Technology, assures accurate and dependable disinfection, taking into account temperature, cover position, pump speed, pH, etc. and is controlled remotely via the dedicated interface.



OC0060	PoolCop Ocean 60	15 g/h - 60 m ³
OC0120	PoolCop Ocean 120	30g/h - 120 m ³
OC0200	PoolCop Ocean 200	45g/h - 200m ³

Includes:

- PoolCop Ocean Power Pack (230VAC)
- PoolCop Ocean Cell and Cell Holder
- ModBus Control Cable, and Safety Cable
- Guarantee Power Pack - 24 months
- Guarantee Cell - 8000 hours
- Eco participation 0.42€

Compatibility PoolCop Evolution - PoolCop Genesis

Conductivity Sensor Kit

The Conductivity Sensor allows instant visibility of the salt concentration via the PoolCop interface.



OC1002	PoolCop Ocean Conductivity Sensor Kit	0-10 g/l
--------	--	----------

Includes:

- Conductivity Sensor
- PCB Electronic Board
- Conductivity Sensor Housing
- Sensor Adapter
- 3 Sampling Bottles
- Guarantee Sensor - 6 months
- Eco participation 0.12€

TREATMENT EQUIPMENT

PoolCop Lagoon

PoolCop Lagoon combines simplicity, durability and practicality, using Smart Power technology.

Compact in size, it can be installed in any pump house, and needs no adjustments or complicated programming. PoolCop Lagoon manages salt levels from 2.5 to 10 grams per liter, for pools up to 120 m³, and alerts to any gas presence, lack of water in the cell, low salt levels, and cell defaults. The intelligent control system, combined with the cell's 10,000 hour lifespan and polarity-reversal cleaning system, guarantees unrivalled resilience at a highly competitive price.



LN4000

PoolCop Lagoon 120

Includes:

- PoolCop Lagoon Power Pack with Mounting Bracket
- PoolCop Lagoon Cell with Cable, Collars and 2 Reductions 63/50 mm
- Online User Manual
- Guarantee Power Pack & Cell - 24 months
- Eco participation 0.42€

Compatibility

PoolCop Evolution - PoolCop Genesis

Flow Detection

This simple flow detector informs the PoolCop unit of flow or no-flow in the pipeline to protect the pump from dry running.



GN4204

Flow Switch Kit

Includes:

- Flow Switch with 4m Cable
- 3/4" Male-Male Adapter
- Guarantee - 24 months
- Eco participation 0.42€

Compatibility

PoolCop Evolution - PoolCop Genesis

Dosing Pumps

This high quality injection pump ensures precise chemical handling with zero contamination, thanks to three rollers to prevent siphoning, overdosing and loss of priming, and a Santoprene tubing ideal for dispensing pH or chlorine products.



PD2030

Peristaltic Pump Kit 3.0L/h

Includes:

- Peristaltic Pump 230VAC with ON/OFF Switch and 2.5 m Cable
- Wall Mount with Stirrup, 2 Screws and Wall Plugs
- Foot Filter
- Suction/Injection Tube (4 meters)
- Injection Valve
- 2 Saddle Clamps (D50mm and D63mm)
- Guarantee Avady - 24 months
- Eco participation 0.12€

Compatibility

PoolCop Evolution - PoolCop Genesis

Chemical Low Level Sensors

The chemical low level sensors are used for precise monitoring and to alert when the level is low to empty, ensuring correct disinfection at all times and consistent water quality.

The suction wand is used for 20 litre chemical drums and the weighted sensor caters for all drum and tank volumes.

Chemical Low Level Sensor with Suction Wand



PD2010	Suction Wand 50cm with level detection	50cm
PD2011	Suction Wand 80cm with level detection	80cm

Includes:

- Suction Wand with Non-Return Valve and Float Level Sensor
- Suction Tube (4 meters)
- Guarantee Avady - 24 months
- Eco participation 0.12€

Compatibility PoolCop Evolution - PoolCop Genesis

Chemical Low Level Sensor - Weighted



PD2009	Level Sensor, Weighted
--------	-------------------------------

Includes:

- Float Level Sensor for Chemical Low Level Detection
- 4 meter Cable
- Guarantee Avady - 24 months
- Eco participation 0.12€

Compatibility PoolCop Evolution - PoolCop Genesis

ADDITIONAL OPTIONS

Extension Module

More automated pool control means less pool hassle. The PoolCop XM8 increases the number of relays and inputs, allowing additional equipment to be managed directly by the PoolCop.

It is automatically detected, needing no complicated configuration, and relays the information of all additional features to the PoolCop interface.



AC6800-D	PoolCop XM8 Extension Module
----------	-------------------------------------

Includes:

- XM8 Module with Cable
- 8 Additional Relays/Inputs
- Guarantee - 24 months
- Eco participation 0.12€

Compatibility PoolCop Evolution - PoolCop Genesis

ADDITIONAL OPTIONS

Digital Flow Meter

The Digital FlowVis® Kit is designed to provide real-time water flow rate readings remotely on any connected device, and incorporates a range of features and functions.

Minimum and maximum flow alarms can be set from the configuration tab in the PoolCop interface, to ensure that each system operates as required, with exceptional accuracy of over 98%.

The digital flow meter is compatible with the entire FlowVis® range (from 1.5" to 8")*, is easy to install and requires no calibration.

*Contact us to check the compatibility of your FlowVis®



AC5400

Digital FlowVis® Kit

Includes:

- Digital Sensor compatible with FlowVis 2.0"
- 8m Cable
- 2 Extended Length Screws
- Guarantee - 24 months
- Eco participation 0.42€

Compatibility

PoolCop Evolution - PoolCop Genesis



AC5405

FlowVis® Flow Meter Kit

Includes:

- FlowVis® Flow Meter 2.0"
- FlowVis® Digital Sensor
- 8m Cable
- 2 Extended Length Screws
- Pipe Reduction PVC MF63x50
- Guarantee - 24 months
- Eco participation 0.12€

[For additional pipe sizes please contact us.](#)

Waste Backup Valve

This waste backup valve secures installations from unnecessary water loss, notably buffer tank pools or low level pump houses, with pumps installed below water level.



VN3004

Waste Backup Valve Kit

NF 24VAC

Includes:

- Valve NC (Normally CLOSED), Solenoid (24VAC)
- Discharge Vinyl Tubing (3 meters)
- 2 PVC Union Set with D63mm to D50mm Adapter
- 2 Saddle Clamps (D50mm and D63mm)
- Guarantee - 24 months
- Eco participation 0.42€

Compatibility

PoolCop Evolution - PoolCop Genesis

Flooding Detection

Simple, effective and robust, the flooding detector is used for all underground equipment rooms or areas with high flooding risk. It simply plugs into any PoolCop Evolution, PoolCop Genesis or PoolCop XM8, requiring no additional installation or configuration.

PoolCop immediately alerts as soon as there is more than one centimetre of water in the area to be protected, allowing for quick intervention to avoid electrical risks or equipment damage.



AC1015 **Flooding Sensor Kit**

Includes:

- Flooding Sensor with 4 meter Cable
- PVC Cross Base
- Guarantee - 24 months
- Eco participation 0.42€

Compatibility PoolCop Evolution - PoolCop Genesis

Cellular Router

This industrial router ensures remote monitoring and real-time visibility to a pool 24/7/365 by providing direct high speed connection to the PoolCop Cloud and a faster response for data and control.



PI4100 **Cellular Router Kit EU 14 GB** 230VAC

Includes:

- Cellular router, with 230 VAC Power Supply
- Standard Antenna and External High Gain Antenna
- RJ45 Cable (1 meter)
- 14 GB Data (approx. 24 months of standard use)
- Guarantee - 24 months
- Eco participation 0.08€

Compatibility PoolCop Evolution - PoolCop Genesis

PI4180 **M2M Data plan 7 GB**

Data Subscription Renewal
7 GB (approx. 12 months of standard use)

Energy Meter IoT

The energy meter precisely measures power consumption of all connected equipment, and relays the data to the PoolCop Cloud and BigPool database for storage, analysis and display.

The data provides immediate visibility to poor functioning or damaged equipment, allowing for prompt intervention, and is a means to monitor actual electrical consumption to intelligently optimize your energy use.



AC5610 **Energy Meter IoT Monophase** 100A

AC5620 **Energy Meter IoT Multiphase** 65A

Includes:

- Energy Meter DIN Mount, Modbus
- 4m Cable
- Guarantee - 24 months
- Eco participation 0.12€

Compatibility PoolCop Evolution - PoolCop Genesis

Free Available Chlorine Sensor in PPM

For perfect disinfection and a regulation compliant pool, this professional grade sensor measures free available chlorine in the water (including chlorine bound in stabilizers), in parts per million, equivalent to DPD1 as measured by health authorities.

Suited to public pools and commercial aquatic venues, as well as residential pools.



AC5302

Free Available Chlorine Sensor Installation Pack EU

DPD1

Includes:

- Free Available Chlorine Sensor (Maintenance Kit Included)
- Chlorine Sensor Cable, and PoolCop Modbus Adapter
- Chlorine Sensor Panel
- 2 x Isolation Valves, and 6m of 3/8" tubing
- Guarantee Sensor & Cable - 12 months
- Guarantee Flow Cell Panel - 24 months
- Eco participation 0.12€

Compatibility

PoolCop Evolution - PoolCop Genesis

Proximity Sensor

This sensor is installed in the Free Available Chlorine flow cell to ensure there is sufficient flow for an accurate chlorine measurement.



AC5305

Free Available Chlorine Proximity Sensor

Includes:

- Proximity Sensor with 2m Cable
- Guarantee - 24 months
- Eco participation 0.02€

Compatibility

PoolCop Evolution - PoolCop Genesis

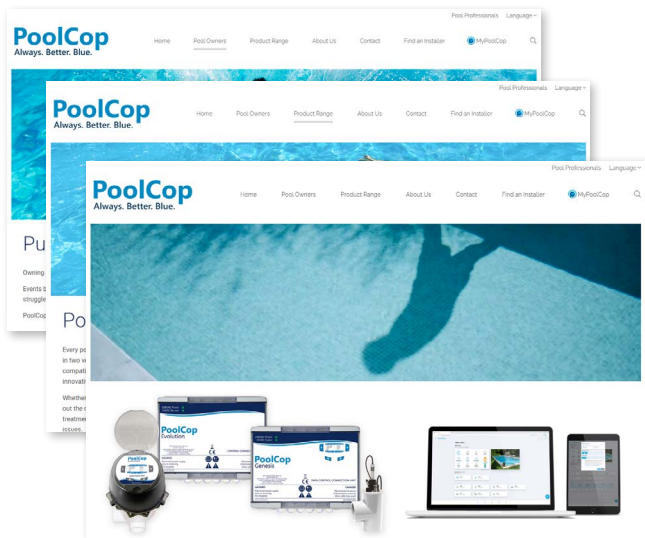
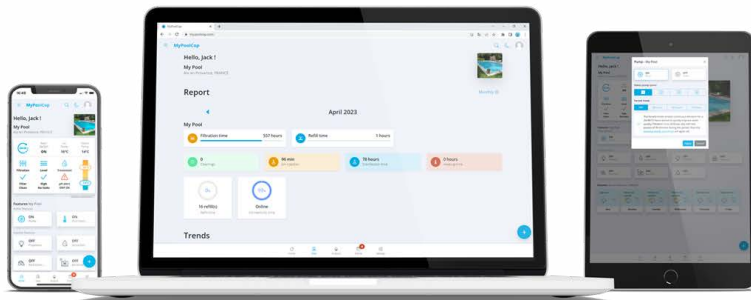
ECO-PARTICIPATION, WEEE

Certain products are subject to "Eco-participation" in France, which contributes to the financing of the collection and the recycling of former equivalent products (directive 2006/96/CE). Our partner for the collection and recycling of eligible products is Eco-systèmes.

Following decree No. 2009-1139 dated 22 September 2009, with regards to placing dry cell batteries and storage batteries on the market, as well as the elimination of used dry cell batteries and storage batteries, PCFR has partnered with an organization dedicated to the recycling of dry cell batteries and portable storage batteries. Our partner is SCRELEC Environnement.



DIGITAL RESSOURCES



WWW.POOLCOP.COM

Our website is a direct source of information for pool owners and professionals alike.

Professionals have a dedicated space to access all technical documents, find quick answers to simple questions, sign up for training sessions, and request to become installers.



DOWNLOADS

Quick and simple access to all instruction manuals, exploded parts and technical sheets are available via this QR code, or in the Pool Professionals page on the website.

GENERAL INFORMATION

DELIVERY CONDITIONS AND CHARGES

These are standard conditions for retail purchases. For distributors, refer to your conditions.

Prices do not include delivery charges, which are invoiced separately as follows:

- For all orders within the European Union exceeding a value of 500 € (excluding value added tax), delivery is included free of charge.
- For all orders within European Union with a net value below 500 € (excluding value added tax), the actual delivery cost applies.
- For delivery outside of European Union and/or express deliveries, the fees will be indicated on the quote.

GENERAL TERMS AND CONDITIONS OF SALE



poolcop.com/general-conditions-of-sale/

NOTES

NOTES



www.poolcop.com

contact@poolcop.com - +33 (4) 90 09 54 26

PCFR PoolCop

PCFR
130 Boulevard du Nord
84160 CUCURON, France