



# PoolCop

Always. Better. Blue.



*"Since ancient times and into our space-faring future, pools are part of our lives. Imagine a pool that is wonderful today and beyond perfect tomorrow. Imagine fresh crystal water with no toxic treatment and zero waste.*

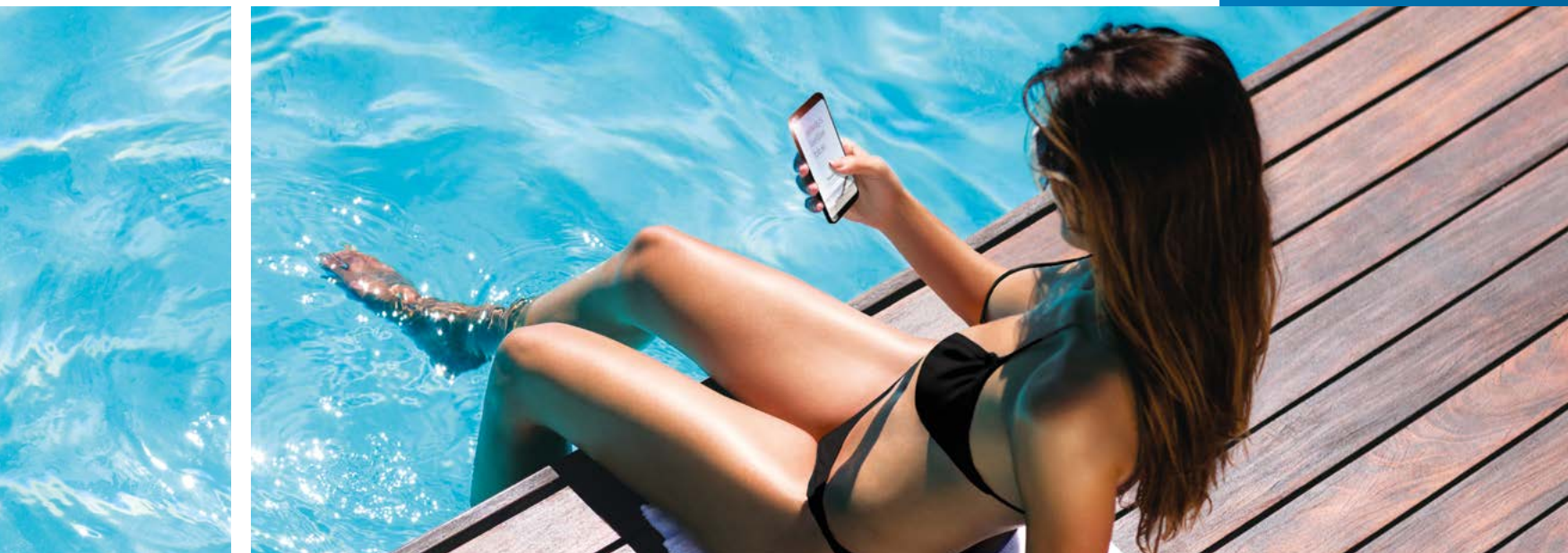
*We are making this real using technology and data, empowering pools to « learn » and « evolve ». Better swimming and a better world, on the blue planet Earth, and beyond."*

**Lane HOY, President PCFR**



## TRANSFORM THE POOL EXPERIENCE





« No need to go into the pool equipment room anymore, I can view and control everything remotely, via a smart web interface. »

## MORE INTELLIGENT, BETTER THAN PERFECT!



Connecting pools for autonomous, economical, and eco-friendly operation - this is the PoolCop promise.

PoolCop is more than just another automation. It's a smart device that analyses the condition and all parameters of your pool in real time so that your swimming is perfect, always.

PoolCop determines the ideal treatment, detects potential anomalies, and allows you to control the entire swimming pool environment fully remotely.

A big plus? You can even grant access to your preferred pool specialist so that they can take required maintenance action quickly, remotely or on site, as and when needed.

Now your pool is always under your control, whether you're at home... or elsewhere! All that is left for you to do is enjoy your swimming, all year round.

## COMFORT, ECONOMY AND PEACE OF MIND, POOLCOP FREES YOU FROM ALL THE USUAL POOL HASSLES.

Water temperature and level, filter status, water balance and disinfection, filtration time...

PoolCop monitors, analyses and records all data and then uses smart algorithms and local weather conditions to adjust all operations to the unique needs of your pool.

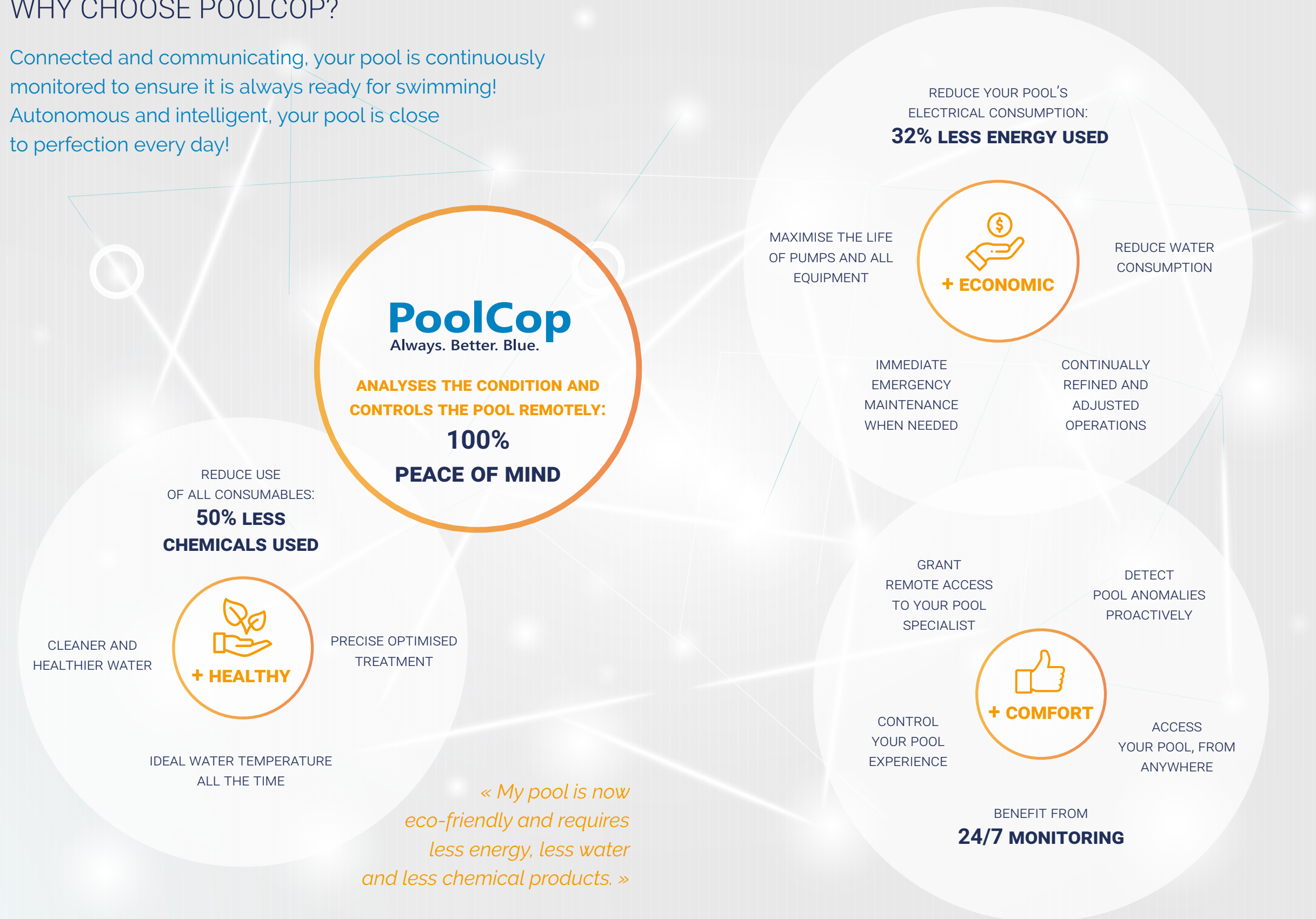
PoolCop regulates water treatment with accuracy and precision, making fine adjustments for perfect water balance and maximum bather comfort.

Perfectly clean and properly disinfected, the water is wonderful to swim and healthier too. Furthermore, with integrated securities, PoolCop eliminates all risk of over-consumption of chemicals and extends the service life of all pool equipment.



# WHY CHOOSE POOLCOP?

Connected and communicating, your pool is continuously monitored to ensure it is always ready for swimming!  
Autonomous and intelligent, your pool is close to perfection every day!





# WHEN INTELLIGENCE AND TECHNOLOGY COME TOGETHER TO CREATE AN AUTONOMOUS POOL!

Combining intelligence and cutting-edge technology, the PoolCop concept is that filtration and filter cleanliness are the keys to exceptional water quality.

The filtration management feature assures filtration efficiency essential for improved water quality, reduced need for treatment products and extended the life of equipment. PoolCop does this by notifying and optionally automating filter cleaning for best result.

PoolCop's array of sensors, connected to a control unit in the pool equipment room, collect information which can then be accessed locally and via the Cloud interface\*.

## A fully compatible system

The PoolCop system is fully compatible and can be installed on new or refurbished pools alike. PoolCop can be adapted to all types of installations, with no need to replace any equipment, which means added savings for you!

### INTELLIGENCE

At the core of the BigPool Cloud application is smart technology that analyses and understands the pool environment and intelligently manages its daily needs. Data collected is used to improve processes and water treatments for effective and sustainable results. The data will boost your pool's performance beyond that which is possible by any traditional automation.

### TECHNOLOGY

State-of-the-art technology is central to the solution. PoolCop features unique next-generation sensors with, for example, pH+ORP measurement combined in a single sensor for unrivalled reliability (using floating reference technology). Air/water temperature sensors and a pressure sensor are also integrated. This advanced technology is essential for accurately capturing the data needed for optimal automation!



### Eco-friendly features



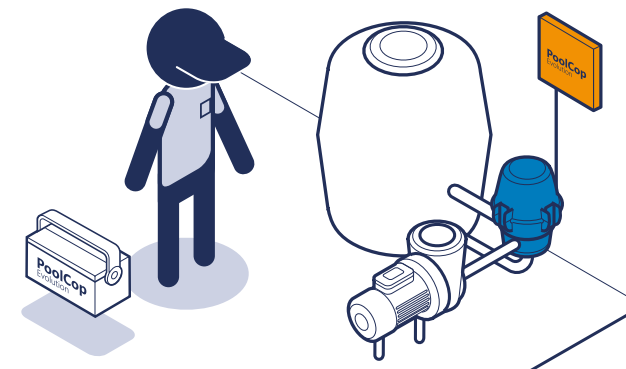
Automatic adjustment of cleaning cycles to reduce water consumption.



Delayed filling if rain is forecast.  
Pool and garden lighting linked by sunrise and sunset times.

## How does it work?

No need to change or replace any existing equipment!  
Your pool specialist will install the control unit, sensors, and optionally the valve unit.  
Now...



1

### MY POOL IS CONNECTED!

A connected and communicating pool means total peace of mind!

No need to go to the equipment room, or to worry about my pool when away! Thanks to PoolCop, I can see how the pool is doing at all times, with just a few clicks.

2

### I CAN MONITOR AND CONTROL!

The system features an array of sensors, which analyse my pool, water quality, water level and temperature, and so gather a full set of data in real time. Thanks to this data, PoolCop knows exactly what my pool needs. Intelligent algorithms determine the least energy-intensive filtration rate, the exact quantity of chemicals needed according to the condition of the water.

Now, I am notified in the event of any anomaly (low consumable level, loss of power, etc.) and I can intervene instantly in just a few clicks. And if necessary, my pool specialist can take control of the pool too.

3

### NOW I'M IN THE DRIVING SEAT!

The cover, cleaner, fountains and lighting can all be connected to PoolCop. And of course, the heating can be controlled remotely to ensure that the temperature is always just right.

«With PoolCop, even older traditional pools are brought into the 21st century in a matter of hours»

\* The Cloud provides access to IT services (servers, storage, networking, software) via the Internet.



## POOLCOP: ONE SOLUTION, TWO VERSIONS

Because every pool and each installation is unique,  
the PoolCop solution offers a range of products  
to meet your specific needs!

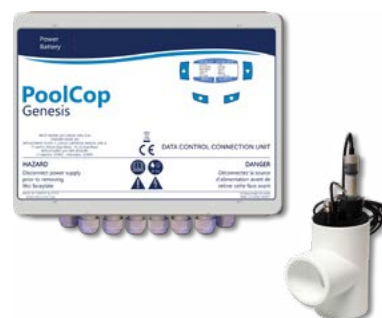
PoolCop Genesis is widely compatible and features a range of standard features essential for an autonomously controlled pool.

PoolCop Evolution offers an even more extensive range of added value features, including a smart six-position valve for fully automatic filter cleaning!

## PoolCop Evolution

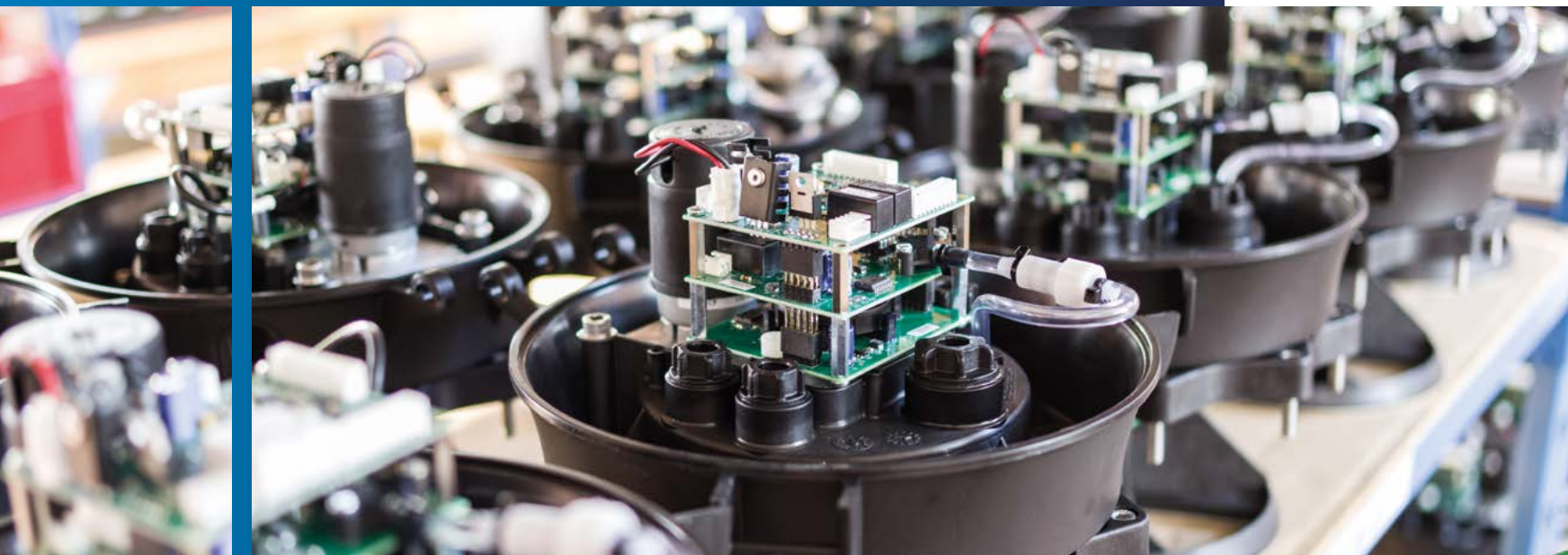


## PoolCop Genesis



	Functions and Equipment	PoolCop Evolution	PoolCop Genesis
STANDARD	<b>Filtration management:</b> automatic filtration modes and timers, with integrated variable speed pump management	✓	✓
	<b>Filtration management:</b> automatic cleaning for multimedia filters	✓	Option: BESGO backwash valve
	<b>Filtration management:</b> automatic multiport valve with 6 positions	✓	-
	<b>Water level management:</b> pre-equipped for automatic refill and reduction, with leak detection	✓	Option: BESGO backwash valve
	<b>Water treatment management:</b> pre-equipped for pH and ORP measurement and regulation, or timer control	✓	✓
	<b>Programmable auxiliaries:</b> automatic modes for cleaner, heating, lighting, fountain...	6 (14 with XM8)	6 (14 with XM8)
	<b>Configurable inputs:</b> pool cover, low consumables level, external control...	2 (10 with XM8)	2 (10 with XM8)
	<b>Air temperature:</b> detection of risk of freezing	✓	✓
	<b>Connected:</b> pre-equipped for internet, pool supervision and control, analysis and backups, email notifications...	✓	✓
OPTIONAL EQUIPMENT	<b>Water level:</b> kits with probe for standard pools or pools with buffer tank	Water level kit	Water level kit
	<b>pH and balance:</b> measurement and regulation	pH+ORP sensor	pH+ORP sensor
	<b>Disinfection:</b> measurement and/or regulation of chlorine, salt electrolysis, bromine, oxygen, ozone, ionisation, UV	pH+ORP sensor	pH+ORP sensor
	<b>Disinfection:</b> free available chlorine measurement and protection (DPD1 equivalence, in ppm)	FAC installation pack	FAC installation pack
	<b>Additional waste valve:</b> recommended for installations below the pool level, public pools...	NF valve	-
	<b>Detection of low consumables level</b> by alert and notification	Lance or sensor	Lance or sensor
	<b>Management of additional equipment:</b> 8 control channels and 8 input channels	XM8 Extension Module	XM8 Extension Module
	<b>Mobile network connection</b> in case of unreliable internet signal	GSM router	GSM router
	<b>Energy:</b> understanding and improving electricity consumption	✓	✓
COMPATIBILITY	<b>All types of pool:</b> traditional, infinity, gunnite, liner, membrane, shell, polyester, etc.	✓	✓
	<b>All pump brands:</b> single speed and variable speed	✓	✓
	<b>All filter brands:</b> Aqualux, Astral, Hayward, Kripsol, Pentair...	✓	✓
	<b>All types of filter:</b> multimedia (glass, sand, zeolite...), cartridge, D.E.	✓	✓
	<b>All types of water treatment:</b> existing system or new equipment	✓	✓
	<b>Control of additional equipment:</b> cleaner, heating, projector, cover...	6 (14 with XM8)	6 (14 with XM8)
PROTECTION AND SECURITY	<b>Emergency power supply:</b> by battery, with alerting	✓	-
	<b>Valve protection:</b> overpressure, electronic failure, power outage, with alarms	✓	✓
	<b>Pump protection:</b> priming failure, clogging, closed valves, with alerting	✓	✓
	<b>Pressure outside prescribed limits:</b> adjustable high and low thresholds with alarms	✓	✓
	<b>Other:</b> antifreeze, water consumption, product level, etc. (depending on the equipment installed)	✓	✓





## PCFR, THE POOL OF TOMORROW... HERE TODAY!



At PCFR, we have been developing smart, autonomous technologies for over 10 years, enabling us to offer solutions for managing your entire pool environment proactively and autonomously.

By connecting pool and garden equipment to a Cloud platform, we offer industry leading products and services so that you can enjoy your pool all year round.

PoolCop is more than a product, it's the best solution to totally transform your pool experience.

## R&D in our DNA

As catalysts for future value creation, innovation and R&D are integral to our identity. This is how we develop unique products that drive change in the swimming pool market.

Our team of automation experts work tirelessly with pool specialists worldwide to anticipate future needs.

Our responsiveness, professionalism and expertise enable us to deliver advanced solutions, and smart technology in aquatics.



**POOLCOP: WINNER OF THE ECO-ATTITUDE AWARD FOR INNOVATION IN POOL MAINTENANCE EQUIPMENT.**

## We go the extra mile

At PCFR we believe that the quality of our technical support is as important as the quality of our solution. So, if a problem does occur, our technical team is ready and available to help pool specialists.

Our production and technical services are based at our facility in France. We offer technical expertise and fast response times that allow pool specialists to provide high levels of service to their clients.

Thanks to the data history of a connected pool our support team is able to see details of any questions or anomalies to diagnose rapidly. Our team ensures that pool specialists find technical solutions to respond efficiently and accurately to their pool owner clients, either remotely or on site.

*« Automation and data  
are where we excel. »*

