PoolCop
Evolution

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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 progessively understands and predicts each individual pool's behaviour, calculating and adjusting 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 equipment, and transforming pool maintenance from reactive to proactive.

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 intevention 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 accurately managed via a unique 2-in-1 pH+ORP sensor with a floating reference, installed in the valve.

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

✔ PRODUCT ADVANTAGES

- Open system, compatible with all third party equipment

- Compatible with SIDE filters (swimming pool and SPA), residential or commercial, up to 30 m3/h

- Automatic filter cleaning

- Controls VS pumps and frequency inverters

- Data display and equipment control on the valve unit and via the dedicated interface

- pH+ORP sensor with floating reference

- 8 programmable relays: 2 preprogrammed 6 multifunction auxiliaries

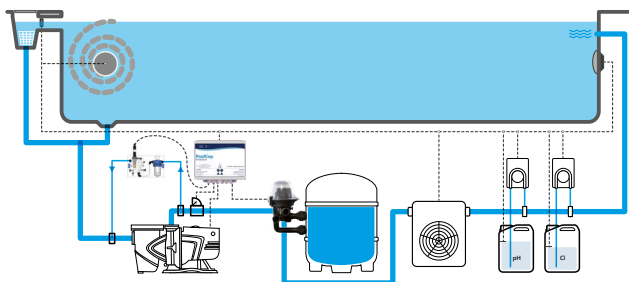- 2 programmable inputs

- Accessorisable with our complementary range

	PoolCop Evolution 1.5"	**PoolCop Evolution 2.0"**
REFERENCE	ESB15AA-D	ESB20AA-D
MAXIMUM FLOW	16m³/hr	30m³/hr
MAIN POWER SUPPLY, CONSUMPTION	110-230Va.c. / 50Hz 0.4 A	
BACKUP BATTERY POWER SUPPLY	12VDC 1.2Ah SLA	
PACK CONTENTS	• Valve data unit (VDU) with water pressure and water temperature sensors and housing for a 2-in-1pH+ORP sensor (sensor sold separately) • Control communication unit (CCU) with 8 relays, 2 inputs • Air temperature sensor • Valve housing with threaded inserts • Accessory pack with installation and user guide	
DIMENSIONS	CCU : 375 x 120 x 285 mm - 4.3 Kg VDU : 240 x 260 x 270 mm - 3.2 Kg	
GUARANTEE	24 months	
DISPLAY AND CONTROLS	On the VDU, web interfaces and PoolCop Cloud	
CCU PROTECTION	IP54	
OPERATING TEMPERATURE	-5°C to +45°C	
PH AND ORP SENSORS "FLOATING REFERENCE"	SO4902 for CL injection or brome; 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, 0-230Va.c. 6A Regulation pH: 1 relay, 0-230Va.c. 6A Auxiliaries: 6 multifunctional relays, 0-230Va.c. 6A	
PROGRAMMABLE INPUTS	Inputs: 2, potential free, open/closed action	
COMPLIANCE, ACCREDITATION, CERTIFICATION	CE, UKCA, WEEE	
INSTALLATION COMPATIBILITY	New construction, renovation, or upgrade Residential and commercial pools and spas	
COMPATIBLE OPTIONS	• 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	

TYPICAL CHLORINE INSTALLATION

TYPICAL ELECTROLYSIS INSTALLATION