PoolCop
Genesis

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.

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, along with with third party automatic valves for intelligent filter cleaning.

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

The disininfection is accurately managed via the unique 2-in-1 pH+ORP sensor with floating reference, which can be fitted in the flow cell for vertical or horizontal installations.

All the smart features, data analysis and machine learning are included, making PoolCop Genesis a powerhouse genius for complete pool automation, in both residential and commercial swimming pools and spas.
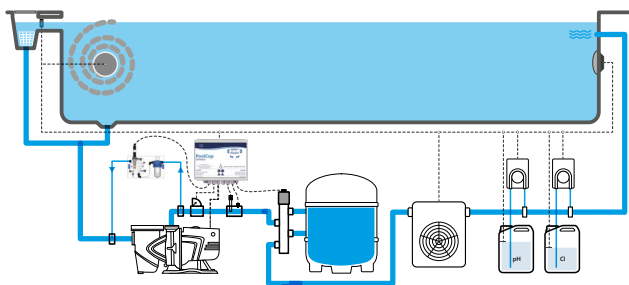
PRODUCT ADVANTAGES

- Open system, compatible with all third party equipment

- All spas and pools, both residential and commercial, and all flow rates

- Compatible with all filter types

- Controls VS pumps and frequency inverters

- Controls third party automatic valves

- Display and control on the 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

TECHNICAL SPECIFICATIONS

REFERENCE	GNA30AA-D
MAIN POWER SUPPLY, CONSUMPTION	110-230Va.c. / 50Hz 0.4 A
PACK CONTENTS	• Data control and communication unit (DCCU) with 8 relays, 2 inputs • Flow cell with water pressure and water temperature sensors, and housing for a 2-in-1pH+ORP sensor (sensor sold separately) • Air temperature sensor • Accessory pack with installation and user guide
DIMENSIONS	DCCU : 375 x 120 x 285 mm - 4.3 Kg
GUARANTEE	24 months
DISPLAY AND CONTROLS	On the DCCU, web interfaces and PoolCop Cloud
CCU PROTECTION	IP54
OPERATING TEMPERATURE	-5°C to +45°C
PH AND ORP SENSORS "FLOATING REFERENCE"	SO4912 for CL injection or brome; 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, 0-230Va.c. 6A Regulation pH: 1 relay, 0-230V.a.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 (UL & NSF 50 Certified versions available)
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 • Panel assembly

TYPICAL CHLORINE INSTALLATION

TYPICAL ELECTROLYSIS INSTALLATION