

COMMERCIAL POOLS AND SPAS PRE-ASSEMBLED INSTALLATIONS

AquaMatic
by PROCOPI

Pool treatment up to 800 m³:

- These pre-assembled, ready to mount panels hold all the apparatus constituting the commercial pool water treatment system.
- Components are mounted and connected on a bakelite panel, 1,000 mm long and 800 mm wide.
- The panels can be customized with the installer's name.
- There are three models available, choice will depend on the volume of water in the pool to be treated : Pools containing less than 300 m³* water, Pools containing between 300 m³ and 800 m³* water, Pools containing more than 800 m³* water.

*Caution, this information is provided for information only, the bather load and the geographical location of the pool must also be taken into account when selecting the appropriate model.

Each pre-assembled installation panel is sized according to the specifications of the pool to be treated; pool volume, location, etc. Contact your agent for your customised study.



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Technical data:

- Power supply: 230 V ± 10%
- Measurement range : pH 0 - 14
- Free chlorine (Cl₂) 0 - 10 mg/L (as per request)
- Precision : ± 0.01 pH / ± 0.01 Cl
- Dosing pump flow rate: between 1 and 100 l/h (depending on the volume of water to be treated)
- Protection rating : IP65
- Presentation : customized, pre-assembled panel
- Dimensions : up to 800 x 1000 mm

Proportional PH / Chlorine regulation by amperometric analysis :

This compact treatment system for commercial pools is easy to install and is ideal for the regulation of pH and chlorine in commercial, public or municipal pools. The dosing rate is displayed in mg/L.

Components are pre-mounted on a panel made of a material that is resistant to chemical attack.

The dosing panel components :

- 1 microprocessor driven proportional pH and Chlorine (Cl₂) regulator and measurement device,
- 2 proportional dosing pumps,
- Pre-filter and analysis chamber pH and amperometric sensor housing.

The regulation and measurement device comprises :

- 1 digital display with pH and free Chlorine (DPD1) read out,
- 2 set points pH, Chlorine (calibration and gain),
- The regulator is housed in a polypropylene casing with a protection index of IP65.



PANEL COMPOSITION	Pool < 300 m ³		Pool between 300 and 800 m ³		Pool > 800 m ³	
LD Cl and pH, free Chlorine and pH digital regulator	1	included	1	included	1	included
Communication module LCOMM-1	x	option	x	option	x	option
Sensor housing Cl, pH and T° + flow control PEF-1	1	included	1	included	1	included
Amperometric sensor for free chlorine ECL3S	1	included	1	included	1	included
pH sensor EPHS	1	included	1	included	1	included
Temperature sensor ETEPT	1	included	1	included	1	included
Cartridge filter NFIL/60	1	included	1	included	1	included
Active charcoal cartridge for "0" calibration	1	included	1	included	1	included
Buffer solutions for calibration, pH 4 and pH 7	1	included	1	included	1	included
Electrolyte solution for amperometric cell	1	included	1	included	1	included
Dosing pump, FIS, 0 to 10 litres/hour – 230 volts*	1	included	-	-	-	-
Dosing pump, GIS, 0 to 20 litres/hour – 230 volts*	1	included	1	included	-	-
Dosing pump, GIS, 0 to 50 litres/hour – 230 volts*	-	-	1	included	1	included
Dosing pump, GIS, 0 to 70 litres/hour – 230 volts*	-	-	-	-	1	included
Buffer tank, 50 litres, without stirrer	x	option	-	-	-	-
Buffer tank, 120 litres, without stirrer	x	option	x	option	-	-
Buffer tank, 200 litres, without stirrer	-	-	x	option	by 2	option
Stirrer	x	option	x	option	x	option

* CAUTION: flow rates may vary as a function of pool volume.

The amperometric cell:

Analysis of organic and inorganic chlorine, range 0 to 10mg/L, closed cell with temperature compensation for pH (latest generation).

The cell is protected by an SEPR type flow sensor.

Dosing:

The proportional dosing rate is determined by correlating the set point value and the value measured in the pool. The greater the deviation from the set point the higher the pulse frequency, as the delta closes, the pulse frequency decreases. By providing fine control of the pH and Cl concentration in the pool, proportional dosing economises the quantity of treatment chemicals required.

GSM module:

This optional module allows round the clock remote communication with the installation via mobile phone or modem. It also allows modification of the dosing parameters.

This equipment is currently recommended by DDASS organisations.

Dealer's stamp :

