



# CONTROL SYSTEM BASIC EVO



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## Technical Sheet

For smaller pools Culligan offers an automatic chlorine and pH control system thanks to the basic control system control unit. This compact system featuring easy installation (wall-mounting) and maintenance enables managing redox potential and pH levels analysis and adjustment using the two electrodes. The system includes a digital control unit that works in agreement with the programmed thresholds, two dosing pumps of 10 l/h with a level sensor, pH and redox measurement electrodes with BNC connector and already fitted in the outflow probe-carrier.

### OPTIONAL COMPONENTS

Culligan offers the following optional accessories: alarm output and RS232 serial port for communication with a PC or another device.

### TECHNICAL DATE

pH/RX Inputs	available on BNC connectors, input impedance > 10 <sup>12</sup>
Measure Ranges	0.00 to 14.00 pH, 0 to 1000 mV (redox), 0 to 100°C (optional, to be requested upon order)
Precision	better than 1% of the full scale
Repeatability	better than 0.2% of the full scale
Configuration	two configuration level (standard and advanced)
Level Inputs	2 independent inputs for level sensors, available on connectors, accept SPDT contact 5 V / 5 mA
Flow Input	1 input for flow sensor, accept SPDT contact 5 V / 5 mA or signal from a 3-wire micro magnetic (brown, blue, black)
Relay Output (optional)	NO/NC configurable contact for alerting (to be requested upon order)
Serial Output	RS232, available on axial connector.
Display	large alphanumeric, double row (x 16 characters) LCD, with backlight
Electrode-holder	down-flow type, transparent methacrylate body, with standard connections for 8x12 tube and sampling needle
Dosing Pumps	Flow rate: 10 l/h @ 2 bar Max working frequency: 140 injections/minute Materials: PVDF pump head, PTFE diaphragm, double ceramic ball valves, FPM (or EPDM) seals Max suction height: 1.5 m
Power Supply	standard 230 V~, 50 Hz (other options upon request)
Protection Fuse	F1A 5x20 (a 230V~)
Environment	Storage temperature                   -20 to +60 °C Working temperature                 -10 to +45 °C RH   max 90% noncondensing
Casing	self-extinguish plastic material with Lexan front panel
Installation	wall installation with supplied screws and stoppers
Protection Rate	IP65
Dimensions	380 x 350 x 175 mm (Fixing Template 356 x 250 mm)
Weight	approx. 5 kg