

EQUIPMENT FOR LEGIONELLA CONTROL AND PREVENTION

Legionella pneumophila, commonly known as Legionella, is a dangerous bacterium that can cause serious respiratory illnesses such as legionellosis, a severe form of pneumonia, and Pontiac fever.

This bacterium is found naturally in aquatic environments such as lakes, rivers and ponds, but becomes a significant threat in artificial systems that encourage its proliferation.

Places such as cooling towers, hot water systems, jacuzzis and spas provide ideal conditions: temperatures between 20 and 50 °C, stagnant water and the presence of sediments or biofilm that serve as a refuge.



Legionella is transmitted mainly through contaminated aerosols generated in these systems, representing a considerable public health risk, especially in hospitals, hotels, gyms and other public facilities.

Control and prevention are essential to comply with water quality regulations and ensure user safety.



In this context, **Hidro-Water** offers advanced technologies for the control and prevention of legionella, complying with strict regulations such as **RD 614/2024 and RD 3/2023** on the quality of water for human consumption. Filtration equipment such as the **EASY MAX SILVER self-cleaning filter**, or the **DIDO SILVER self-cleaning filter** They use cartridges with silver mesh to obtain a 50 micron filtration and thus prevent the passage of legionella into the water circuit.

CONTROL PANELS COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Panels with instrumentation and probes for measuring the parameters:

- Chlorine
- pH
- Temperature
- Conductivity
- Turbidity

All measuring units have output relays, 4-20 mA outputs, RS485 MODBUS communication

APPLICATIONS

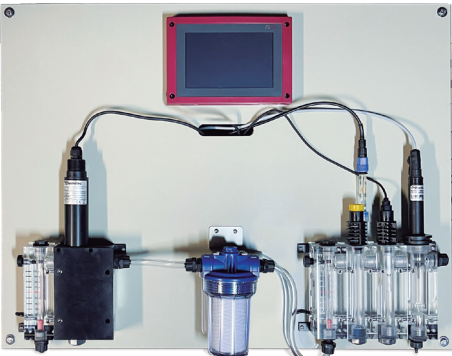
- Panels can be installed in a wide variety of facilities to obtain permanent control and regulation of free chlorine and pH levels.
- Control is fully automatic and the values obtained are displayed clearly and legibly.
- Programming of limit values through alarms for each of the required parameters.
- Panels have great programming flexibility, allowing them to be used in a wide range of operating conditions.
- Controller continuously measures the element to be regulated using an appropriate probe, ordering the dosing pump to perform an injection or not, depending on the value obtained in the measurement and the limit values set by the operator.



CHLORINE CONTROL PANEL 1 COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Multiparameter panel for measuring and controlling the following parameters:

- Chlorine
- pH
- Temperature
- Conductivity
- Turbidity



Includes:

- Electronic control unit with touch screen.
- Potentiostatic membrane sensor for inorganic free chlorine 0-2 ppm.
- pH sensor 0-14 pH
- Conductivity-temperature sensor.
- Turbidity sensor 0-10 or 0-100 NTU.
- Auxiliary sensor input via 4-20 mA and Modbus.
- Flow failure sensor.
- Pulse counter input.
- Methacrylate sensor holder.
- Sediment prefilter.
- Manual flow control valve.
- Drain tap and sampling point
- MODBUS RTU RS485 communications
- History of readings and alarms to be displayed on screen or saved to USB
- Output relays to control the operation of elements such as dosing units
- 4-20 mA analog outputs

CODE	MODEL
IN-5012-01	CLOR-LEG control panel 1 Cl probe Potentiostatics and control turbidity

FT-EN-PANEL CONTROL LEGIO-IN-5012-01-FL24V01