

HC1

Pump Controller



Automatic Device for electric pump integral control.

The HC1 are a compact device for the automatic control and protection of electric pumps, its patented system includes special electronic sensor of flow and pressure, integrated in electronic circuit that guides the electric pump operation and keeps pressure and flow accordingly. Moreover, it has a safety system to avoid the dry-running operation.

The HC1 replace the system of hydro-sphere, pressure-switch, check-valve and level switches, with the advantage of smaller dimensions and periodic maintenance elimination. The unit automatically starts the electric pump when any point of use is open and stop it –after a 10 seconds programmed time– when closing the consumption point.

hydroo®

Operating characteristics

- No maintenance.
- Installation time saving.
- Protection against water hammer effect.
- Compact and reduced dimensions.
- Removal of protecting devices (level switches).
- Avoids the pump oversizing using integrately their flowpressure curve.
- Integrated protection system which stops the pump in case of dry-running operation.
- Control panel:
 - Yellow Led POWER.
 - Green Led ON.
 - Red Led FAILURE.
 - Tactile push button for manual start.
- Electronic circuit group with protection cover easily replaceable.
- Small reserve against leaks in the installation.
- Other options like pressure gauge, connecting cables, adjustable starting pressure.
- EMC and electrical safety certified.
- ART function (Automatic Reset Test). If the device has been stopped due to the action of the safety system against dry operation, the ART tries to connect the pump, with a programmed periodicity because the water supply could have been restored.

Technical specifications

HC1

Start pressure

1,5 - 3,5 bar

Power

1,5 kW

Voltage

~1x120 V

~1x230 V

Frequency

50/60 Hz

Max peak of current

16(8) A

Protection degree

IP65

Maximum temperature

60 °C

Maximum pressure

10 bar

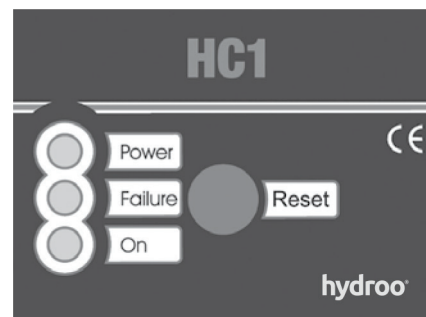
Maximum flow

10.000 l/h

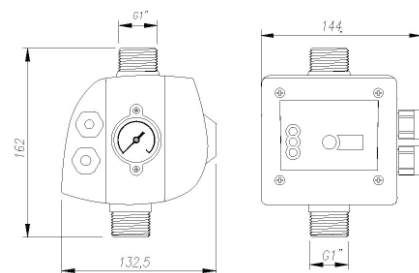
Net weight (without cables)

0,719 Kg

Control panel



Dimensions



Installation

