

SIRIO

Electronic Variable Speed Pump Controller.

Sirio is an electronic device based on inverter technology that maintains constant system pressure by regulating the starting and speed of the pump.

Inverter technology modulates the frequency (Hz) of the current to the motor which changes the speed (rpm) to suit the water demand from the system. This means that water is delivered to the user at a constant pressure and the motor power consumption is always in proportion to the system demand, saving energy.



FUNCTIONALITY

- Adjustable pressure set-point (Pmax), i.e. pressure value which will be held constant subject to the capability of the pump.
- Adjustable start pressure (Pmin).
- Protection from dry running in case of water supply failure.
- Automatic reset following shutdown caused by dry running, The restart parameters can also be adjusted.
- Leak detection function: Small system leaks are indicated on the display panel without interfering with system operation, large leaks can cause frequent pump starts and in this case the Sirio shuts down the pump to prevent damage. This function can be disabled.
- Alphanumeric back lighted display with real time indication of the system pressure and of the pump motor speed.
- Customizable menu in 5 different languages.
- LED Indicators: green : network voltage red: alarm/leakage/dry running yellow: pump on
- Remote connection for the remote supervision of the system
- Reversal of phase automatic and adjustable by the display

TECHNICAL DATA

Power mains supply:	single-phase, 230Vac \pm 10% - 50/60Hz
Motor power supply:	three-phase 220V~
Maximum power absorption:	2200W –3Hp
Max. line absorption:	16A @ 230V~
Max. allowable pressure:	800 KPa (8 bar)
Max. liquid temperature:	50°C
Max. theoretical flow rate:	150 l/min –9m ³ /h –9000 l/h
Set-point adjustment range:	1,5÷7 bar
Start pressure adjustment range:	1÷6,7 bar
Hydraulic connection:	1”¼ male-male
Frequency modulation range:	25÷50 Hz (30-60Hz optional)
Degree of protection:	IP X5