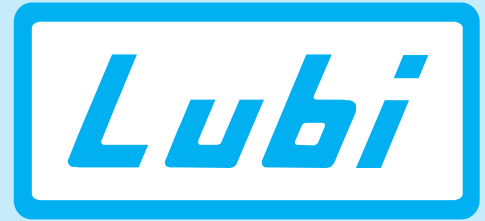


LPSH100/LPSV300

AUTO BOOST

Electronic Pressure Regulator For Pumps



50 Hz



Description

The AUTO BOOST LPSH100/LPSV300 can replace the complicated installations of automatic water pump e.g. pressure gauge, pressure switch, T-valve, check valve and pressure tank.

It will indicate the pump has started when the green light "Power on" lights up after connecting the power. When the yellow light "Pump on" lights up, it indicates the pump has been started.

The pump continues to operate for a few minutes enabling the system to fill in the pipes and to reach the required pressure. If this lapse is insufficient, the red light "Failure" will light up. In this event, keep the "Restart" button pressed and wait, with a tap opened till the red light is off.

Once released the button and closed the tap, the product will keep at its maximum pressure.

Inlet and outlet connection ports of the same diameter (G1).

Applications

For automatic control of pumps for water supply and increase of network pressure.

For control of starting/stopping of the pump when cocks are opened/closed.

For protection of the pump:



- Against dry running.
- Against the risk of operation without water at the inlet (caused by a lack of water inflow in the inlet pipe under positive suction head, by a non-immersed suction pipe, by excessive suction lift or by air entering the suction pipe).
- Against operation with closed connection ports.

Features and benefits

Following are the main features and benefits offered by the AUTO BOOST LPSH100 / LPSV300.

- Stable performance
- Low maintenance
- Long life
- Maintain constant pressure during delivery
- Attenuated the effects of water hammering
- Replace the traditional expansion tank system
- Stops the pump in case of water shortage, protect it from dry running
- Starts and stops the pumps in accordance with the opening and closing of the taps.

Operating conditions

- Flow at dry running : 0.5 to 1 l/min
- Operating pressure : Max. 10 bar
- Starting pressure setting : 1.2 bar
: 1.5 bar
: 2.2 bar
- Liquid temperature range : Max. +60°C
- Inlet/outlet connection port : G 1
- Enclosure class : IP 65
- Standard voltages : 1 x 220-240 V,
: 1 x 110-120 V
- Power range : Max. 1.1 kW and 1.5 kW
- Current : Max. 10A
- Supply frequency : 50 Hz.
- Wiring requirement : Cable diameter 7.5 - 9 mm
- Approval :  

Function

The product is designed especially for all control operation of automatic water pump. If the particular breakdowns occur, such as water failure, obstruction of the suction pipe etc, the product recognizes the breakdowns and the red light "Failure" lights up, at the same a stop signal is sent to the pump to prevent damages caused by its working in the absence of water. Rectification of the failures that have caused the blockage, allows the system to be restarted by pressing the "Restart" button. The controller can ensure a constant pressure for the water supplying system and thus reduce the water hammer effect inside pipe-line during water delivering. The controller also possesses the features of reset after power failure. Its starting flow is about 0.5 - 1 l/min and is convenient for home application.

Materials

Component	Material
Body	Polyamide 6 (PA6 GF30)
Non-return valve	Polyamide 6 (PA6 GF30)
Safety valve	Polyamide 6 (PA6 GF30)
Diaphragm	EPDM
Flow valve	Brass
Pressure gauge rod	Brass
Diffuser	Brass
Spring	Steel wire UNI 3823
Control box	Polystyrene (PSau)