

tekpress EVO

Pressflow switch with adjustment and reduction of start and output pressures to ensure constant pressure

Tekpress EVO is an electronic regulator and pressure reducer for single-phase pumps with power up to 2.2kw (1~115 - 230V), which allows to maintain a constant output pressure through an innovative system of reduction and regulation of the same.

It integrates an analog manometer with instant output pressure indication.

The device consists of a non-return valve, flow sensor, a storage membrane, a manometer and light indicators. In addition, a protection against dry running and the ART function (Automatic Reset Test), allow the system to stabilize and adjust the output pressure, avoiding overpressure and unwanted water strokes, improving the comfort and durability of the system.



TECHNICAL FEATURES

	TEKPRESS EVO
Power supply	1~ 110-230 Vac (50/60 Hz)
Max. current	16 A; cos fi ≥ 0,6
Power pump	2,2 kW (3 HP)
Nominal pressure (P _{out})	2 ÷ 6 bar / 29 ÷ 87 psi
Differential pressure	1 ÷ 5 bar / 14,5- 72,5 psi
Protection degree	IP65
Max. water temperature	50 °C
Max. pressure	12 bar / 174 psi
Hydraulic connections	G1", G1-1/4", NPT1", NPT1-1/4"
Weight	2 Kg

MAIN FEATURES

- Analog manometer
- Yellow led (power presence)
- Green LED (active pump)
- Red led (alarm)
- Buttons for function selection
- Hydraulic connections G1", G1-1/4", NPT1", NPT1-1/4"
- Power relay to handle pumps up to 2.2 kW (3HP)
- Manual output pressure adjustment (with indicator)
- Manual start pressure adjustment
- Internal flow sensor
- Avoids the pump oversized thanks to the integral use of the flow-pressure curve
- ART function (Automatic Reset Test). When the control panel is in dry run protection, ART tries, with a programmed periodicity, to restart the pump until the water flow is re-established
- APR function (Periodic Self Search). After 3 days without starting the pump, the device creates a 10-second start to avoid the engine block
- Integrated storage system that prevents the pump from starting due to leakage in the hydraulic system

PROTECTION

- Dry running protection system of the electric pump
- Protection against overpressure/water hammer

