

tekpress PRO

Pressflow switch with regulation and reduction of starting and output pressures, with electronic over-current control, to ensure the best constant pressure

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

It integrates a digital display with instantaneous indication of pump absorption current and output pressure. The device consists of an integrated non-return valve, flow sensor, a storage membrane, a manometer and light indicators. In addition, a dry running protection, the ART function (Automatic Reset Test) and the APR function (Periodic Self Test), allow the system to stabilize and adjust the output pressure, avoiding overpressure and unwanted water hammer, improving the comfort and durability of the system.



TECHNICAL FEATURES

	TEKPRESS PRO
Power supply	1~ 110-230 Vac (50/60 Hz)
Max. current	16 A; cos φ ≥ 0,6
Power pump	2,2 kW (3 HP)
Nominal pressure (P _{out})	2 ÷ 6 bar / 29 ÷ 87 psi
Differential pressure	0,5 ÷ 5,5 bar / 7,5- 80 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

- Multifunctional LED display for visualization: nominal pressure, current, working hours, number of starts and alarm history log
- Yellow led (power presence)
- Green LED (active pump)
- Red led (alarm)
- Buttons for custom function selection and parameterization
- 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)
- Digital start pressure adjustment
- Internal pressure transducer
- 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

- Control and protection system of electric pumps against overcurrent.
- Dry running protection system of the electric pump.
- Flow failure control system.
- Protection against overpressure/water hammer

