

## INVERTER FOR ELECTRIC PUMP CONTROL



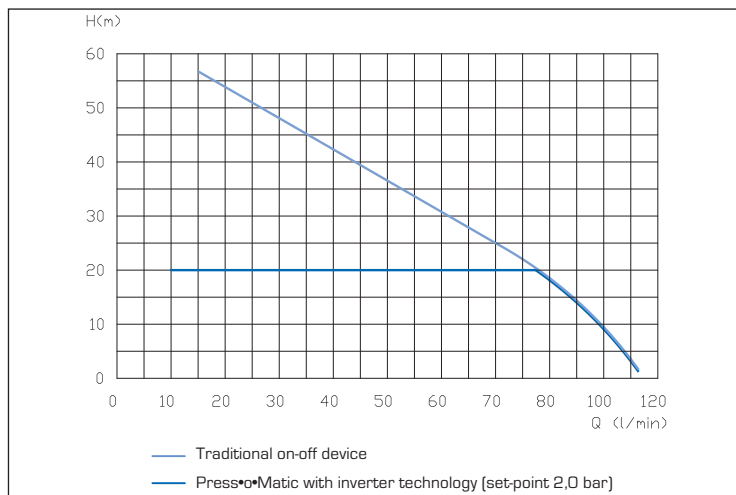
# Press•O•Matic

Electronic device for the electric pumps control based on inverter technology. It controls the starting and stopping of the electric pump and modulates the motor rotations according to the water request from the system.

### TECHNICAL PECULIARITIES

- Constant pressure due to motor pump speed regulation
- Energy saving due to less pump absorption
- Gradual pump start and stop reduces hammering and avoids breakaway starting current
- Protection against dry running in event of water shortage during intake
- Automatic reset in event of dry running, with autonomous error condition recovery
- Efficient leakage monitoring to protect pump in event of repeated restarts
- Digital pressure display
- Motor over current control
- Operation/error status signalling via LEDs and on-screen alerts
- Operation in master/slave configuration into twin booster sets
- Double set point with remote control option
- Remote start and stop of electric pump
- Rotation direction inversion via software (it does not require wiring alterations)
- Extractable terminals to facilitate wiring

### PRESSURE FLOW RATE DIAGRAM (ELECTRIC PUMP 1,5 HP)



### TECHNICAL DATA

- Power mains supply: single-phase 230V  $\pm$  10%, 50Hz/60Hz
- Motor power output: three-phase 220V
- Max motor power: 2200W - 3HP
- Max line absorption: 16 a 230V
- Max allowable pressure: 800 kPa (8 bar)
- Max fluid temperature: 50°C
- Pressure drop: 0,1 bar at 150 l/min
- Set-point adjustment range: 1,5÷7 bar
- Start pressure adjustment range: 1÷6,7 bar
- Hydraulic connection: male-male 1"  $\frac{1}{4}$
- Frequency modulation range: 25÷50 Hz
- Protection degree: IP 65

### SPECIAL VERSIONS

- Frequency modulation range 30÷60 Hz
- Connection cable for connection in twin booster sets 4x0,5mm<sup>2</sup> 100 cm (SR-CBL4X05-100)

