E-POWER

VARIABLE SPEED CONTROL SYSTEM

METALLIC PIPING
WITHOUT ANY VALVE

Electronic device based on inverter technology for electric pumps control. It controls the start-up and stop of the electric pump and modulates the motor rotations based on the water intake, maintaining a constant preset working pressure. It ensures high comfort for the end user, significant energy savings and longer life of the plant, typical advantages of inverter autoclave systems, including dry running protection for the electric pump

TECHNICAL DETAILS

- Installation on metallic piping without valve:
  - optimum cooling
  - no pressure drops
- Master/slave operation for the realisation of units of up to 2 pumps
- Very few parameters for commissioning (desired pressure, pump current)
- ON/OFF input for minimum level float or remote switch
- Output relays for alarm signal or second pump control
- Simple and intuitive display interface
- Gradual start and stop (water hammering reduced)
- Several guards with programmable automatic reset

TECHNICAL DATA

- Installation: on pipe
- Installation position: any
- Connections: 1”¼ male
- Power supply voltage: single phase 230V
- Output voltage (pump): three phase 230V
- Phase current: max 10 A
- Maximum pump power: 2.2 kW
- Output Frequency: 5÷60Hz
- Display: 2 digit alphanumeric
- Protection degree: IP 65
- Working temperature: 5÷40 °C
- Pressure set point: 0.3÷8 bar
- Maximum overpressure: 12 bar
- Electric safety: EN60730
- Electromagnetic compatibility: EN61000 (specific standards in the CE certificate)
- Protections:
  - Dry running
  - Over/under voltage
  - Short circuit
  - Over-current
  - Over temperature
  - Insufficient pressure
  - Sensor failure
- Pressure boosting units: up to two pumps
- Weight: 2 kg

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