

## CONTROL SYSTEM WITH VARIABLE SPEED



METAL PIPE WITH NO VALVE

Water-through VFD (Variable Frequency Drive) for residential applications (in line type, cooled by water). It controls the start&stop of the electric pump, adjusts the motor speed according to the actual water demand and keeps the desired pressure constant. It assures high energy saving and important advantages in terms of comfort, performance and durability of the system.

### GENERAL CHARACTERISTICS

- Installation directly on metal pipe with no valve:
  - excellent cooling
  - no losses
- Master/slave configuration for 2 pumps booster sets
- Very few parameters to be set before operation (desired pressure and nominal motor current)
- ON/OFF input for a float switch or remote control
- Output relay for a warning signal or to pilot a second pump at fixed rate
- Clear and simple interface and display
- Soft-start / soft-stop (reduced water hammering)
- Several protections with settable automatic reset

### TECHNICAL DATA

Assembly	On pipe
Assembly positions	Any
Hydraulic Connection	1" ¼ male
Mains supply	1~230V
Pump voltage	3~230V
Phase current	max 10 A
Max pump power	2,2 kW
Output frequency	5-60Hz
Display	2 digit alphanumerical
Protection degree	IP65
Ambient temperature	5 – 40 °C
Pressure set-point	0,3 – 8 bar
Max overpressure	12 bar
Electrical safety	EN60730
Electromagnetic compatibility	EN61000 (other standards on CE declaration)
Protections:	<ul style="list-style-type: none"> <li>Dry-running</li> <li>Over/under voltage</li> <li>Short-circuit</li> <li>Overload</li> <li>Overtemperature</li> <li>Low pressure</li> <li>Pressure sensor fault</li> </ul>
Booster sets	Up to 2 pumps
Weight	2 kg

### DIMENSIONS

