

Pump controller for water technology

The pump - motor controller MARI IP55:

comes with IE3 electric motor and IP66 ALU housing with plain text display and Keyboard built for operation by a frequency controlled pump.

Power Range: 1 Pump 0,75kW - 2,2kW / 1PH 230V 50/60Hz +/- 15%
 Power Range: 1 Pump 0,75kW - 2,2kW / 3PH 230V 50/60Hz +/- 15%
 Power Range: 1 Pump 0,75kW - 7,5kW / 3PH 400V 50/60Hz +/- 15%

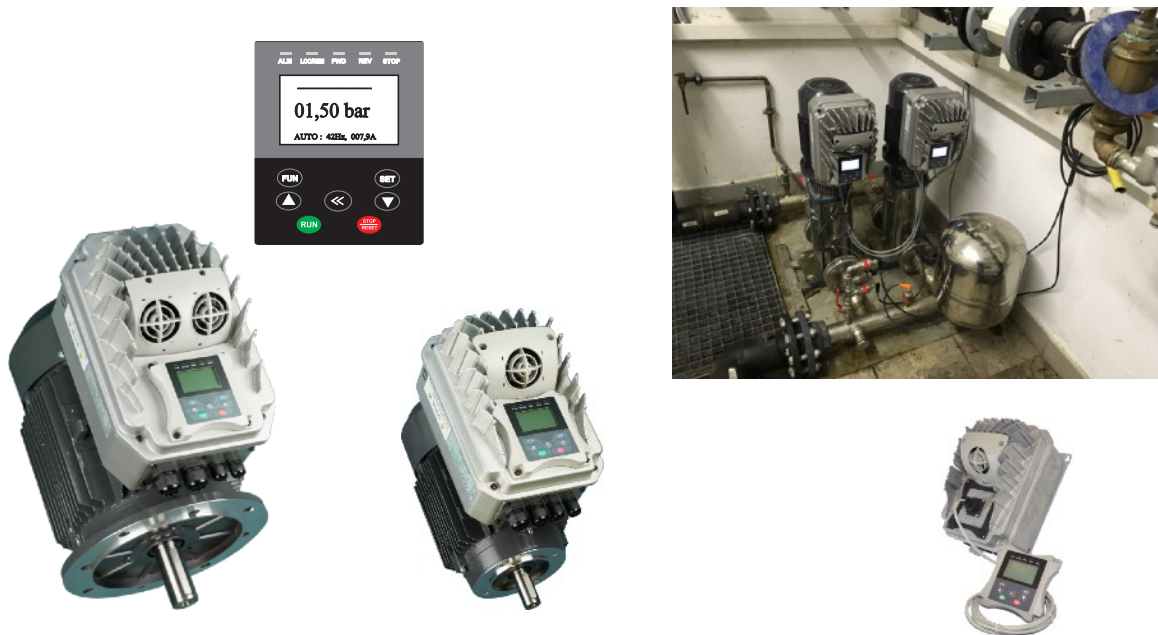
Operating modes: pressure regulator, level controller, frequency converter, Temperature controller, vacuum regulator.

Option: chain operation with two controllers,
 Multi-operation with up to 4 controllers with MAR-MASTER control
 Wall mounting, remote control unit with cable set IP66

All common applications of general water supply such as:
 Pressure increase, level control, process water supply, etc. are optimal too realize.

A remote control or control by external system is easy to implement.

The system is configured at the factory.



Variants		Inverter EU-MA				
Power 230V 1PH	0,75kW / 4,5A	1,5kW/ 7A	2,2kW/ 10A			
Power 230V 3PH	0,75kW/ 4,5A	1,5kW/ 7A	2,2kW/ 10A			
Power 400V	0,75kW / 2A	1,5kW/ 4A	2,2kW/ 6,5A	4,0kW/ 9A	5,5kW/ 12A	7,5kW/ 17A
MARI-.....	11kW/ 23A					

motor controller

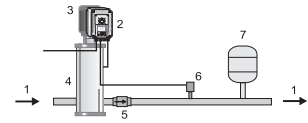
Pump motor controller MARI in IP66 housing for one pump

All features of the motor controller control:

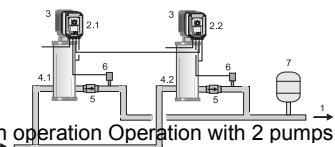
The controller is built in the IP66 ALU housing with freely programmable pump controller with keyboard and switchable backlit plain text display. The motor controller is specially designed for general water supply. The controller is equipped with frequency converter. It is also possible to control PM motors (synchronous motor) up to 400Hz.

Power range: 1x 0,75W - 1x 7,5(11)kW

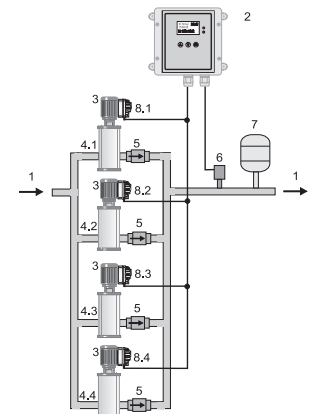
- ALU / ABS housing IP66 (IP55 with motor)
- Frequency converter with 50% / 1 min reserve
- Freely programmable pressure regulator with keyboard and backlit text display
- Display for all operating messages, set points and commissioning values
- five adjustable digital inputs
- Two adjustable relay as a changer
- Standard thermistor input (option on terminal)
- Speed control system for 1 pump
- Two controllers can be linked directly
- Option: Multi operation with MAR-Master controller
- Connection for a sensor 4..20mA and / or 0..10V
- Adjustable PI controller for fast pressure control
- Adjustable zero-flow cutoff to shut down the pump to standby.
- Manual operation with adjustable fixed speed for the emergency supply in the event of sensor failure.
- Adjustable electronic dry run
- Adjustable electronic switching frequency monitoring
- Adjustable electronic pressure monitoring
- Sensor monitoring with emergency switching to fixed speed.
- Adjustable operating mode
- Adjustable motor characteristic
- Error memory for 5 errors
- Operating hours counter, start counter
- Temperature dependent fan control
- Lockable repair switch
- Adjustable IT filter
- Interface: RS 485 Modbus slave
- Option: Running signal relay as make contact
- Option: wall mounting kit
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Example: Single operation with one pump



Example: Chain operation Operation with 2 pumps



Example: Multi operation with 4 pumps and MAR-MASTER.



Presented by:



motor controller