

Pump controller for water technology

The pump - system controller MAH MASTER-CAP-3 2025:

is built in a sheet steel housing with a parametrizable pump controller with keyboard and colorful plain text display for operation together with MARE controller

Operating modes: pressure controller, pressure switch, limit switch, level controller, level switch, temperature controller, temperature switch, quantity controller, flow controller, vacuum controller, differential pressure controller, fire extinguishing mode

Power range: 1-3 MARE controller 0,75kW - 2,2kW / 1PH 230V 50/60Hz +/- 15%

Power range: 1-3 MARE controller 0,75kW - 90kW / 3PH 400V 50/60Hz +/- 15%

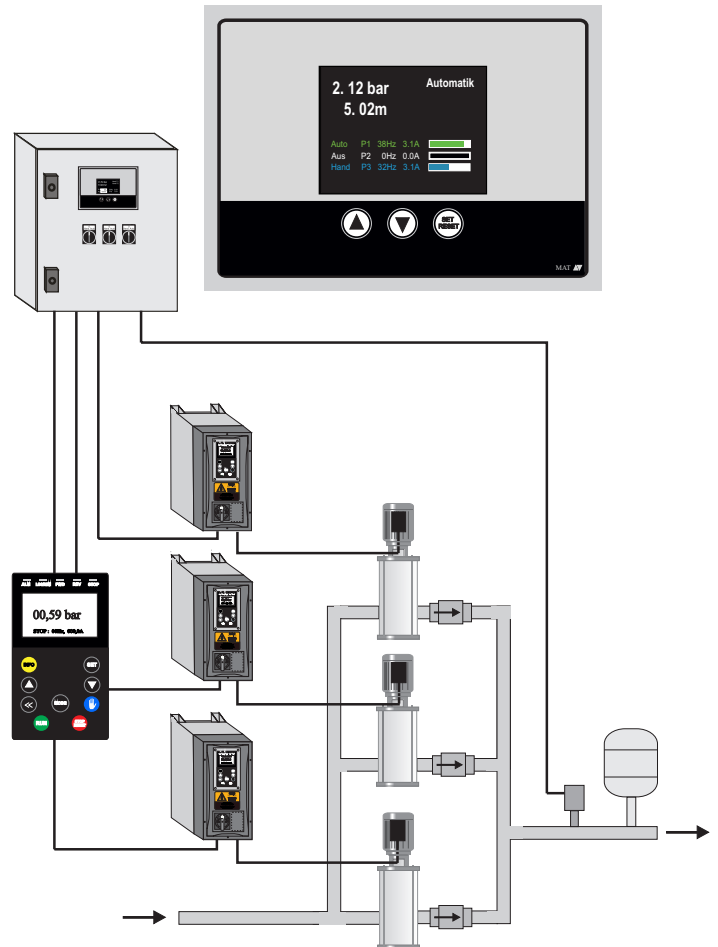
Technical specifications:

Metal enclosure IP54,
Power supply 230VAC 50-60Hz,
Operating mode selector each pump,

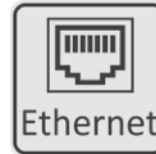
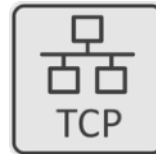
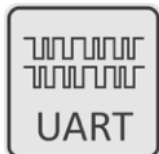
4x Dig. Inputs,
1x Relay Output collective fault,
1x Relay Output Cooling / heating,
2x transducer inputs 4-20mA (2xMAH),
1x SD card,
1x interface RS485
Modbus RTU Master
1x interface RS485
Modbus RTU / GSM Slave
1x interface UART
Adapter port

Option:
Plug-in board: 4x Relays Output,
Plug-in board: RS485
Modbus RTU (GSM),
Plug-in board: Modbus TCP/IP,
GSM RS485 Modem,

**no transducer, no modem,
no accessories**



Optionen:



General water supply applications such as: Pressure increase, level maintenance and process water supply must be implemented.

System monitoring is optionally possible.

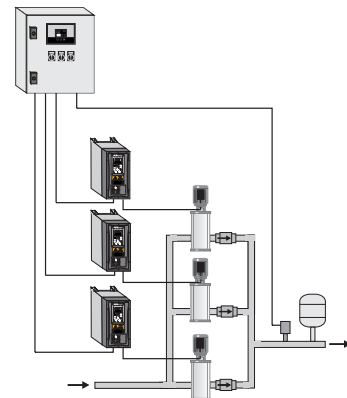
The system is configured at the factory.

Special types are available on request.

MAH

All features of the MAH regulation:

- Freely parametrizable pump controller with keyboard and colored plain text display
- Display for all operating messages, setpoints and commissioning values
- 4x digital inputs, 2x relay collective fault/heating/cooling,
- Speed control system for 1 to 3 pump systems all controlled
- Triple password protection, connection for two sensors 4..20mA
- Adjustable PI controller for quick pressure control
- Adjustable zero quantity switch-off to switch off the pump to "standby"
- Safe start function for the safe filling of the pipes after a power failure
- Manual operation with adjustable fixed speed for emergency supply in the event of sensor failure
- Pump monitor for operation with underwater pumps
- Adjustable runtime monitoring, adjustable leakage monitoring
- Adjustable pressure reduction, adjustable dry running protection
- Adjustable electronic pressure monitoring
- Transducer monitoring with emergency switching to fixed speed
- Multi-operation with base load, peak load, jockey or boost function
- Automatic fault switching and pump change function
- Adjustable test run, adjustable flushing mode, adjustable motor characteristic, adjustable PM mode
- Real-time clock with error memory and time stamp
- Operating hours counter, daily hour counter
- Interface: RS485 ModBus RTU Slave
- Lockable front switch, fuses per frequency converter
- SD card for data logger, saving events
- GFCI + MCB 10A /230V on terminal
- Option: Connection for external 24VDC supply
- Option: Plug-in board RS485 Modbus RTU (GSM)
- Option: Aufsteckplatine Modbus TCP/IP
- Option: Modbus TCP/IP add-on board
- Option: stainless steel cabinet
- Option: control cabinet heating
- Option: external control cabinet



Dimensions for the MAH - MASTER CAP -3 (1-3) control on request:



Presented by:

