Pump controller for water technology

The pump - system controller MAH MASTER-CAP-6 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

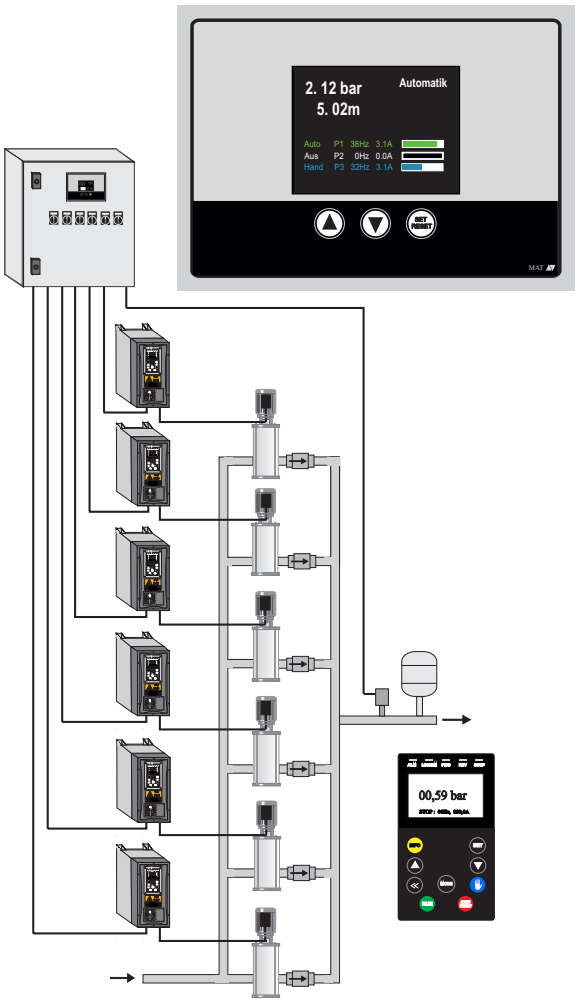
Power range: 1-6(8) MARE controller 0,75kW - 2,2kW / 1PH 230V 50/60Hz +/- 15%
Power range: 1-6(8) MARE controller 0,75kW - 90kW / 3PH 400V 50/60Hz +/- 15%

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.

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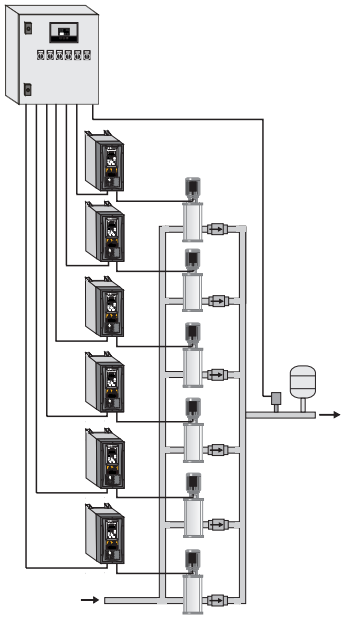
All features of the MAH regulation:

- 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 6(8) 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 -6 (1-6) control on request:

Presented by:

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