

EUmedicon Mobile Media Conditioning

The EUmedicon mobile media conditioning unit is tailored to the testing and test operation of electric motors and gearboxes as well as converters and control units. Depending on the application, the unit is operated with different media such as water/glycol and various oils and meets your individual requirements.

EUmedicon impresses with up to two freely configurable media circuits, which are operated independently of each other in a temperature range of -40 to +150 °C with pressure and volume flow control. The system is compact, mobile and can be used immediately.

In addition to the stand-alone solution, the system seamlessly integrates into your test stand automation and safety circuit. Numerous interfaces are available for this purpose. Operation and monitoring via web application are possible on request.

The modular platform design and the use of standard components allow flexible configuration and quick adaptation to your specific requirements and ensure short delivery times.

Features

- Compact and robust design
- Precise and dynamic conditioning of up to two independent media circuits
- User-friendly and intuitive user interface
- Energy-efficient temperature control strategy
- Control concepts: Pressure / flow rate control
- Designed for reliable continuous operation including temperature cycling

Benefits

- Immediately ready for use with short set-up times
- Only power and cooling water connection required
- Modular design, selectable configuration
- Safe operation, integration into higher-level safety concept
- High availability
- Attractive price-performance ratio and short delivery times

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Design / Options

- Turnkey system
- Stand-alone solution incl. control panel or integration into existing automation system
- Monitoring via web application
- Stainless steel piping
- Complete insulation
- Automatic circuit ventilation
- Manual shut-off valves (flow and return)
- Service and regular software updates
- Return suction (optional)



Technical Specifications

Temperature range	-20 – +90 °C (opt. -40 °C – +140 °C)
Number of independent media circuits	1 - 2
Adjustable flow rate range	0,5 – 10 l/min
Maximum permissible pressure loss	3 bar relative
Possible Media	Oil, water/glycol
Size (L x W x H)	2.56 x 0.8 x 1.75 m
Interfaces	EtherCAT, CAN, LIN, Profibus, Modbus, TCP/IP, analogue interface etc.
Connectors	Power: CEE plug (XX A) Media: quick couplings
Weight	ca. 800 kg
Cooling power	10 kW (adjustable)
Control	Pressure / flow rate accuracy ± 0,5 %
Temperature gradient	Oil: 5 K/min Water/glycol: 3 K/min

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