



Safeguard the continuity of your medical gas supply

Manifold Control System

MEDGAS-TECHNIK

The manifold you need

For a safe and reliable supply of medical gases the MCU Manifold is the product you need, offering:

- Very high flow rate
- Robust & redundant design
- Three sources of supply
- Two stage regulation system to maintain a smooth and constant delivery pressure
- Display with clear information and status notification
- Ease of access for maintenance

Manifold application

- Supply of health care institutions
- Laboratories with non-flammable and non-corrosive medical and technical gases

Gases

- Oxygen
- Nitrous Oxide
- Air
- Carbon Dioxide
- Nitrogen
- Argon & Helium

Flow capacity

- From 500 to 2500 l/min at 5 bar
- From 30 to 160 m³/h at 5 bar

Standards

- DIN EN ISO7396-1

High reliability

The MCU series controls and regulates gas supply systems either electromagnetically or pneumatically. The dual-stage operating mode regulates the medium pressure in the first stage and the operating pressure of the gas supply system in the second stage.

These regulators are specifically designed for the purpose of supplying medical gases and are highly reliable.



Increased safety

Fail-safe solenoid valves in the event of power supply failure.



Minimise risk of low pressure

Using two stage regulators to ensure stable delivery pressure over the entire flow even in peak demand.



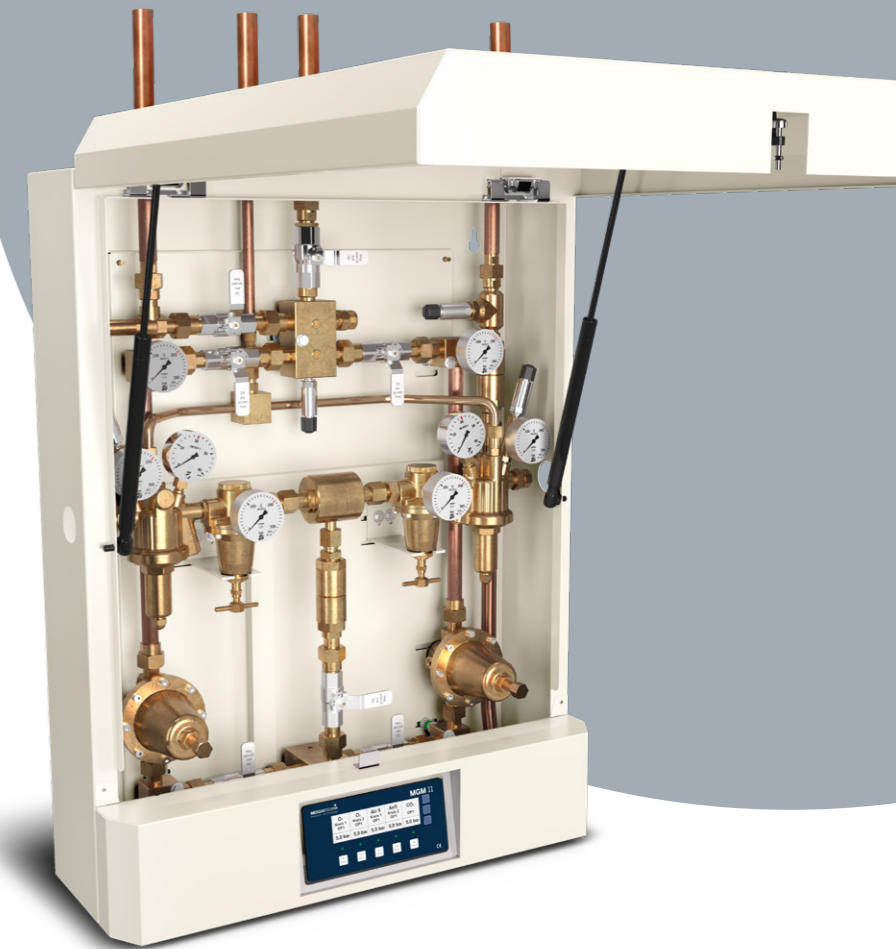
3 sources of supply

Between first and second stage of regulation, a third gas input can be connected. This can either be a 3rd cylinder rack or a VIE tank.



Peace of mind

Halogen free high-pressure regulators reduce the risks of self-ignition and emission of toxic gases.



Ergonomic set-up

The spaciouly designed layout of the control panel allows unrestricted access to all the major serviceable components, without the need to disassemble any other joints. Due to the redundant configuration, maintenance work can be carried out without operational interruptions.

Flat tightened connections, make swapping out of components a fast and easy service task. These features make the manifold the simplest manifold control panel to use and maintain. The control panel cover opens with gas springs which provides unhindered access to all internal parts.



Digitally control your Manifold



Easy operation

- Separate electronic section
- A multicoloured LED console shows operational readiness



Building management system integration

- Digital and analog Inputs and outputs
- MODbus/LONbus connections possible



User-friendly interface

LCD display with capacitive touch. The display shows the gas type, the pressure, status messages and/or function messages.



Energy efficient

- Low energy consumption



MEDGAS-TECHNIK GmbH

Lahnstrasse 8 | D-56370 Berndroth | Germany
Fon +49 (0)6486-90496-0 | Fax +49 (0)6486-90496-19
info@medgas-technik.de | www.medgas-technik.de

MEDGAS-TECHNIK medical systems GmbH

Gries 60 | A-9909 | Leisach Austria
Phone +43(0) 4852 / 66 6650 | Fax +43(0) 4852 / 66 66 54 00
info@medgas-technik.at | www.medgas-technik.at

MEDGAS-TECHNIK Schweiz AG

Industriestrasse 26 | CH-9300 Wittenbach | Schweiz
Phone +41(0) 71 / 78 01 442 | Fax +41(0) 71 / 78 01 443
info@medgas-technik.ch | www.medgas-technik.ch



Prima inter pares

www.medgas-technik.de

© MedgasTechnik November 2023. 4233601690

All rights reserved. Designs and specifications are subject to change without notice or obligation.