

Gas distribution elements



Why choose MZ Liberec?



Design - Ergonomics - Maintenance - Variability

- Smooth surface simplifies product cleaning and disinfection
- Colour may be adapted to the interior design
- Simple and functional design



Products

Wall-mounted terminal panels

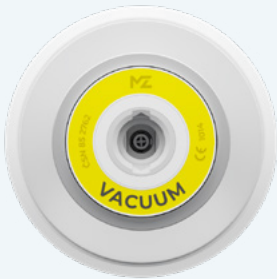
Panels

Panels serve as a connecting point to medical gas distribution systems. It may be equipped with a medical gas outlet for the specific gas or a pressure gauge.

Panels may be wall-mounted or built-in. A big advantage is their scalability, as they may be combined to get a complete series.

Installation options

- Oxygen (O2)
- Air (AIR)
- Vacuum (VAC)
- Air motor - for surgical devices
- AGSS - anaesthesia gas scavenging system
- Others.



Built-in version



Wall-mounted

Parameters	Panels
Standards	ČSN, DIN, AGA, BS, AFNOR + other standards
Installation options	built-in / wall-mounted
Multiplicity	1 - X
Colour options	RAL 9002, RAL 9010, RAL 9003, OEM – customized solution
Material design	Antibacterial plastic construction, brass body

Products

MZU

Monitoring device MZU II



Parameters	MZU II
Display	Digital
Functions	Monitoring gas pressure / gas flow / gas usage
Connectivity	YES (option to connect to external display and central control system/AVSU)
Alarm system	YES
Installation options	built-in / wall mounted
Number of gas lines	1 - 12
Material design	Aluminium construction, plastic components

Products

Area Valve Service Units (AVSU)

AVSU (1-6 gases) - option with pressure gauges



Built-in version



Wall mounted version

AVSU (1-6 gases) - digital



Built-in version



Wall mounted version

Parameters	AVSU analogue	AVSU digital
Displays	pressure gauges	LED display
Alarm system	YES (option to connect to external display)	YES (option to connect to external display)
Installation options	built-in / wall-mounted	built-in / wall-mounted
Number of gas lines	1 - 6	1 - 6
Colour options	RAL 9002, RAL 9010, RAL 9003, OEM – customized solution	
Material design	Metal construction with powder coating with antibacterial treatment	

Products

Auxiliary elemets

Medical gas outlets and adapters

MZ Liberec manufactures medical gas outlets and adapters for quick connection and disconnection of different parts of distribution systems. A rigid and tight seal is achieved by the correct pairing part that serves as an mating part, and which functions as an automatic shut-off and isolation valve when disconnected.

Gas outlets are available in several options that differ in a way how to be mounted to a base plate and to be connected to the central distribution system. Gas outlets are not interchangeable for different gases and are colour coded by the corresponding media. Only the adapter for the specific gas type forms with the outlet a single functional unit.

Medical gas outlets



Adapters



Products	Medical gas outlets		Adapters
Standards	ČSN, DIN, AGA, BS, AFNOR		ČSN, DIN, AGA, BS, AFNOR
Options	O2, AIR, VACUUM, N2O, CO2, AGSS, Air Motor Drive		
Specification	Non-interchangeability according to national standards		
Material design	Antibacterial plastic construction, brass body		

Products

MEDICAL GAS SOURCE STATIONS

Medical gas manifolds

Using pressurized cylinders for gas distribution is the most common method of gas supply and the cheapest one in terms of investment, but the solution and installation itself has its own specifics..

We deliver cylinder stations with automatic, semi-automatic and manual switch-over options. They are designed for flow up to 300 m3/hr.



Parameters	Medical gas manifolds
Maximum of cylinders	1 – 12
Switch-over	automatic / semi-automatic / manual
Pressure reduction	using a reduction box, reduction and safety valves
Number of gas lines	1 - 6
Colour options	RAL 9002, OEM – customized solution
Material design	metal construction with powder coating, copper and brass elements

