



## Emergency inlet station (Q = 40 Nm<sup>3</sup>/h)

### IDENTIFICATION

- ▶ Emergency decompression station for medical gas distribution, max flow rate 40 Nm<sup>3</sup>/h
- ▶ Pressure monitoring by means of pressure transducers or pressure switches (optional)
- ▶ Mounted on painted AISI 430 stainless steel frame including removable cover
- ▶ Laser-marked plate indicating production lot and product code

### CE MARKING

Notified body: 0426

CE marking in risk class II B, according to Directive 93/42/EEC

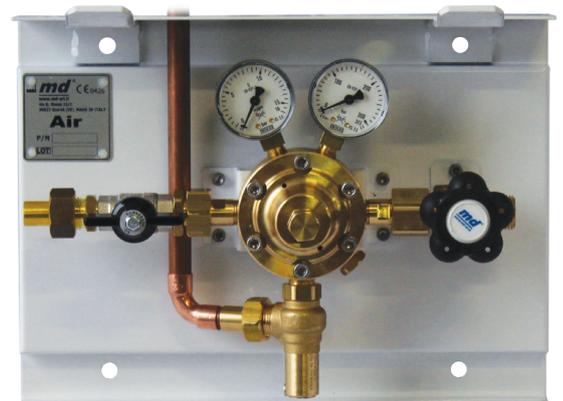
### REFERENCE STANDARD

**ISO 10524-2:** "Pressure regulators for use with medical gases- Part 2: Manifold and line pressure regulators"

**ISO 7396-1:** "Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum"

**ISO 15001:** "Anaesthetic and respiratory equipment. Compatibility with oxygen"

\* Validity of the standards is referred to the current year



- ▶ Pressure regulator maximum flow rate: 40 Nm<sup>3</sup>/h
- ▶ Inlet connection: W 21.7 x 1/14" male
- ▶ Outlet connection: Ø=16x1 mm copper pipe
- ▶ Maximum inlet pressure: 220 bar
- ▶ Outlet pressure: 7 ÷ 10 bar
- ▶ Safety valve opening pressure: 14 bar

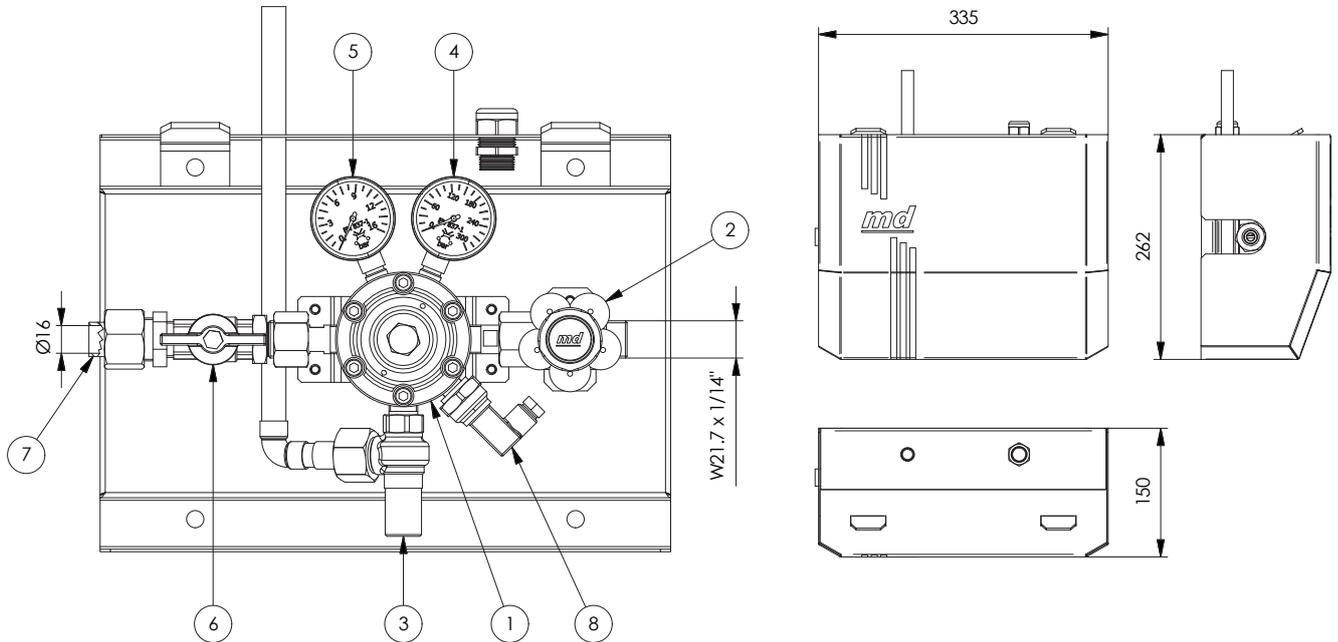
- ▶ Storage and working temperature: -20 °C ÷ +60 °C
- ▶ Inlet pressure gauge precision class and scale: 2.5; 0 ÷ 315 bar (0 ÷ 100 bar for N<sub>2</sub>O and CO<sub>2</sub>)
- ▶ Outlet pressure gauge precision class and scale: 2.5; 0 ÷ 16 bar;
- ▶ Inlet degree of filtration: ≤ 24 µm





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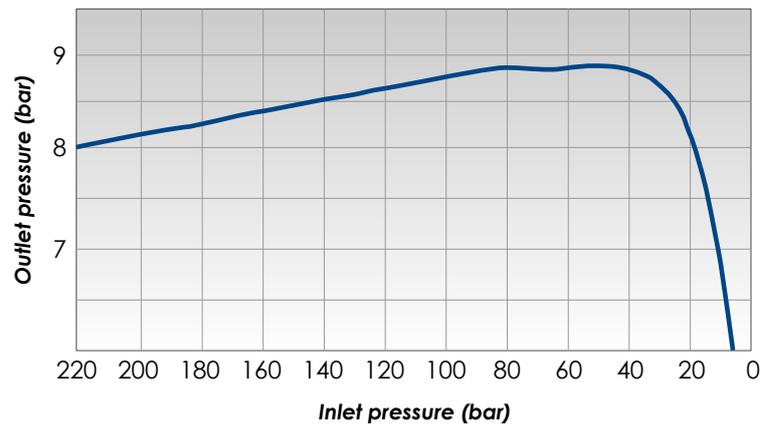
## DIMENSIONS



**KEY:**

- |  |   |
|--|---|
| 1. Pressure regulator  | 5. Low pressure gauge                                   |
| 2. HP inlet valve  | 6. Outlet ball valve                                    |
| 3. Safety valve with outlet fitting for Ø 14 mm pipe welding | 7. Outlet fitting for pipe welding                      |
| 4. High pressure gauge                                       | 8. [optional] HP pressure transducer or pressure switch |

**1ST STAGE REGULATOR PRESSURE CHARACTERISTIC, Q<sub>1</sub> = 40 Nm<sup>3</sup>/h**



CODE	GAS	OPTIONS			PACKAGING		
		PRESSURE TRANSDUCER		PRESSURE SWITCH	type	cm	kg
		CODE	SCALE	CODE			
PF-5321-00O2	O <sub>2</sub>	KT-2210-0250	0-250 bar	KT-2200-HWA1	box	38 x 31 x 20	8
PF-5321-00AC	Air	KT-2210-0250	0-250 bar	20 bar calibraton	box	38 x 31 x 20	8
PF-5321-0N2O	N <sub>2</sub> O	KT-2210-0100	0-100 bar	KT-2200-HWB2	box	38 x 31 x 20	8
PF-5321-0CO2	CO <sub>2</sub>	KT-2210-0100	0-100 bar	11 bar calibraton	box	38 x 31 x 20	8

