



## Double stage emergency inlet station (Q = 40 Nm<sup>3</sup>/h)

### IDENTIFICATION

- ▶ Emergency manifold decompression station for medical gas distribution systems, max flow rate 40 Nm<sup>3</sup>/h
- ▶ Double pressure regulation between high pressure source and distribution line
- ▶ Source pressure monitoring by means of pressure transducer or pressure switch (option)
- ▶ 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 in accordance with  
Directive 93/42/EEC

### REFERENCE STANDARD

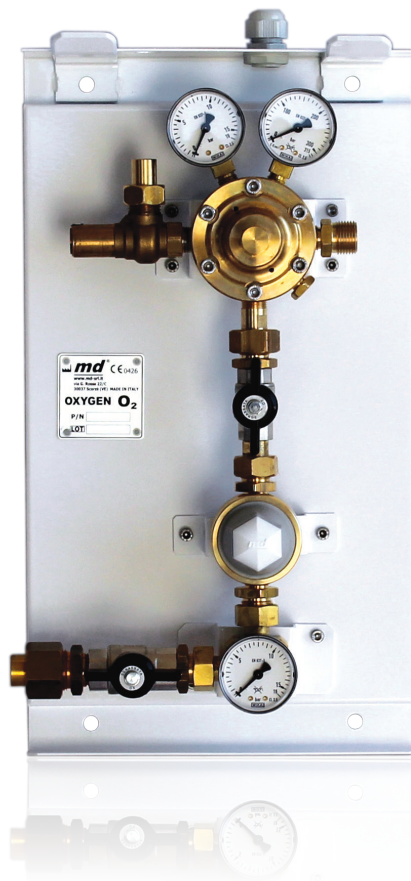
**ISO 10524-2:** "Pressure regulators for use with medical gases - Part 2: Manifold and line pressure regulators"

**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

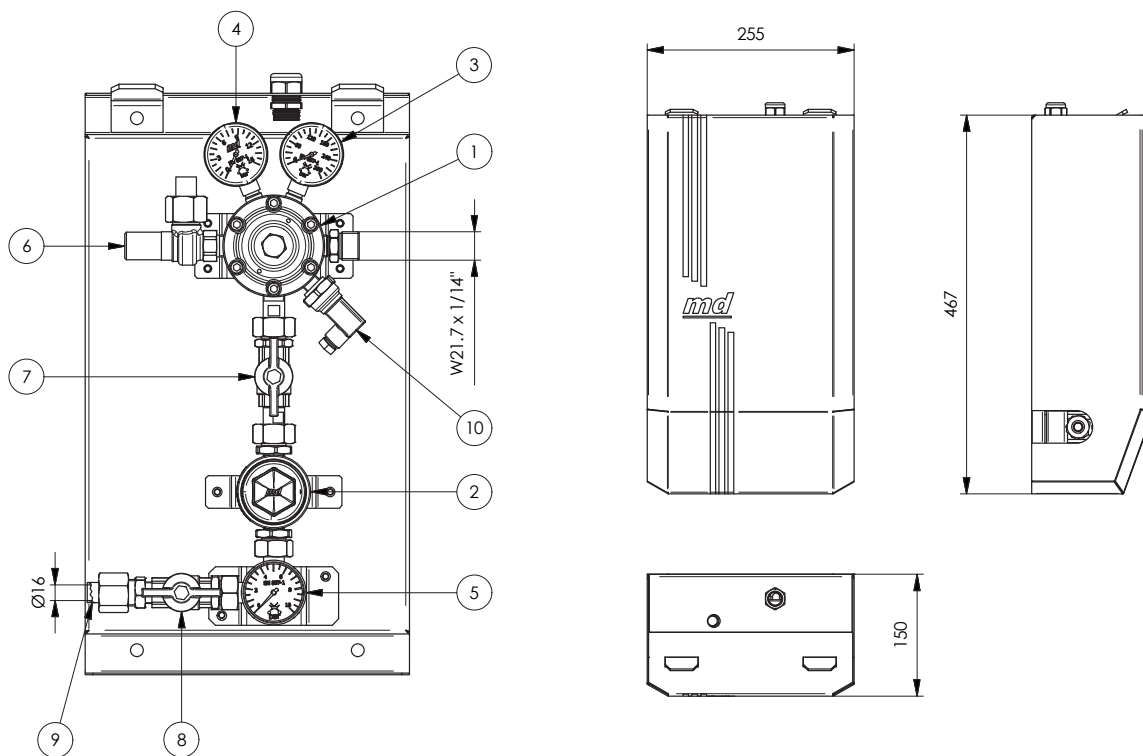
- ▶ 1<sup>st</sup> stage pressure regulator max flow rate at 8 bar: 40 Nm<sup>3</sup>/h
- ▶ 2<sup>nd</sup> stage pressure regulator max flow rate at 4 bar: 40 Nm<sup>3</sup>/h
- ▶ Inlet connection: W 21.7 x 1/14" male
- ▶ Outlet connection: Ø= 16x1mm copper pipe
- ▶ Maximum inlet pressure: 220 bar
- ▶ Intermediate pressure: 7 ÷ 10 bar
- ▶ Outlet pressure: 4 ÷ 5 bar
- ▶ 1<sup>st</sup> stage 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 ÷ 160 bar for N<sub>2</sub>O and CO<sub>2</sub>)
- ▶ Intermediate pressure gauge precision class and scale: 2.5; 0 ÷ 10 bar;
- ▶ Outlet pressure gauge precision class and scale: 2.5; 0 ÷ 10 bar
- ▶ 1<sup>st</sup> and 2<sup>nd</sup> stage regulators inlet degree of filtration: ≤ 24 µm



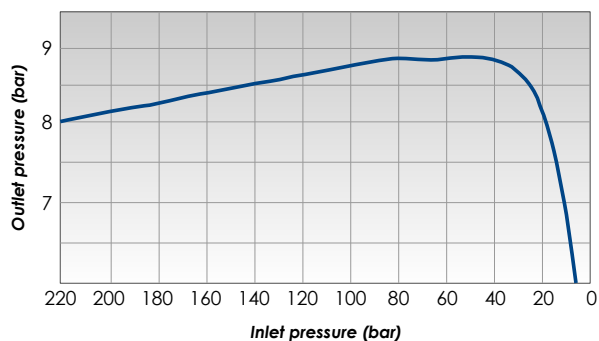
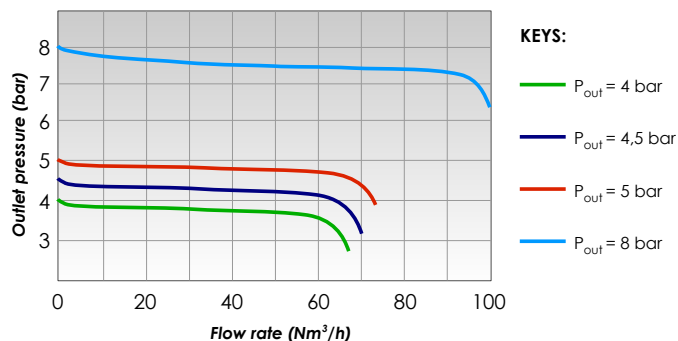


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## DIMENSIONS

**KEY:**

- 1. 1<sup>st</sup> stage pressure regulator
- 2. 2<sup>nd</sup> stage pressure regulator
- 3. HP pressure gauge
- 4. Intermediate pressure gauge
- 5. Outlet pressure gauge
- 6. 1<sup>st</sup> stage regulator safety valve
- 7. G 3/8" ball valve
- 8. G 1/2" ball valve
- 9. Outlet fitting for pipe welding
- 10. HP source pressure sensor[optional]

**1ST STAGE REGULATOR PRESSURE CHARACTERISTIC,  $Q_1 = 40 \text{ Nm}^3/\text{h}$** **PRESSURE/FLOW CHARACTERISTIC, intermediate P = 8 bar****KEYS:**

- $P_{out} = 4 \text{ bar}$
- $P_{out} = 4.5 \text{ bar}$
- $P_{out} = 5 \text{ bar}$
- $P_{out} = 8 \text{ bar}$

CODE	GAS	OPTIONS			PACKAGING		
		PRESSURE TRANSDUCER		PRESSURE SWITCH	type	cm	kg
		CODE	SCALE	CODE			
PF-5611-00O2	O <sub>2</sub>	KT-2210-0250	0-250 bar	KT-2200-HWA1	box	30 x 52 x 20	10.5
PF-5611-00AC	Air	KT-2210-0250	0-250 bar	20 bar calibration	box	30 x 52 x 20	10.5
PF-5611-0N2O	N <sub>2</sub> O	KT-2210-0100	0-100 bar	KT-2200-HWB2	box	30 x 52 x 20	10.5
PF-5611-0CO2	CO <sub>2</sub>	KT-2210-0100	0-100 bar	11 bar calibration	box	30 x 52 x 20	10.5

