



1st stage automatic change-over decompression station ($Q = 40 \text{ Nm}^3/\text{h}$)

IDENTIFICATION

- ▶ 1st stage pneumatic change-over decompression station for medical gas distribution, max flow rate $40 \text{ Nm}^3/\text{h}$
- ▶ Pressure monitoring by means of pressure transducers or pressure switches (optional)
- ▶ Working source sensor integrated into the automatic change-over
- ▶ Provision for integration of alarm module in IP56 cabinet
- ▶ Mounted on painted AISI 430 stainless steel frame
- ▶ Cover panel with window for constant monitoring of line pressure gauge and alarm module
- ▶ Laser-marking 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"

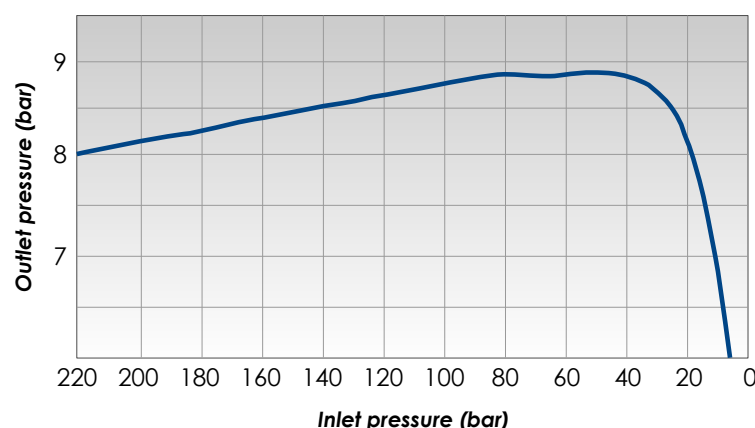
* Validity of the standards is referred to the current year



- ▶ Pressure regulator maximum flow rate: $40 \text{ Nm}^3/\text{h}$
- ▶ Inlet connections: W 21.7 x 1/14" male
- ▶ Maximum inlet pressure: 220 bar
- ▶ Outlet pressure: 8 ± 10 bar
- ▶ Outlet connection: $\varnothing=16 \times 1 \text{ mm}$ copper pipe
- ▶ Change-over Δp for automatic switching of sources: 2.0 ± 0.2 bar

- ▶ Safety valve opening pressure: 14 bar
- ▶ Storage and working temperature: $-20^\circ\text{C} \div +60^\circ\text{C}$
- ▶ Inlet pressure gauges precision class and scale: 2.5; $0 \div 315$ bar ($0 \div 160$ bar for N_2O and CO_2)
- ▶ Outlet pressure gauges precision class and scale: 2.5; $0 \div 16$ bar
- ▶ Inlet degree of filtration: $\leq 24 \mu\text{m}$

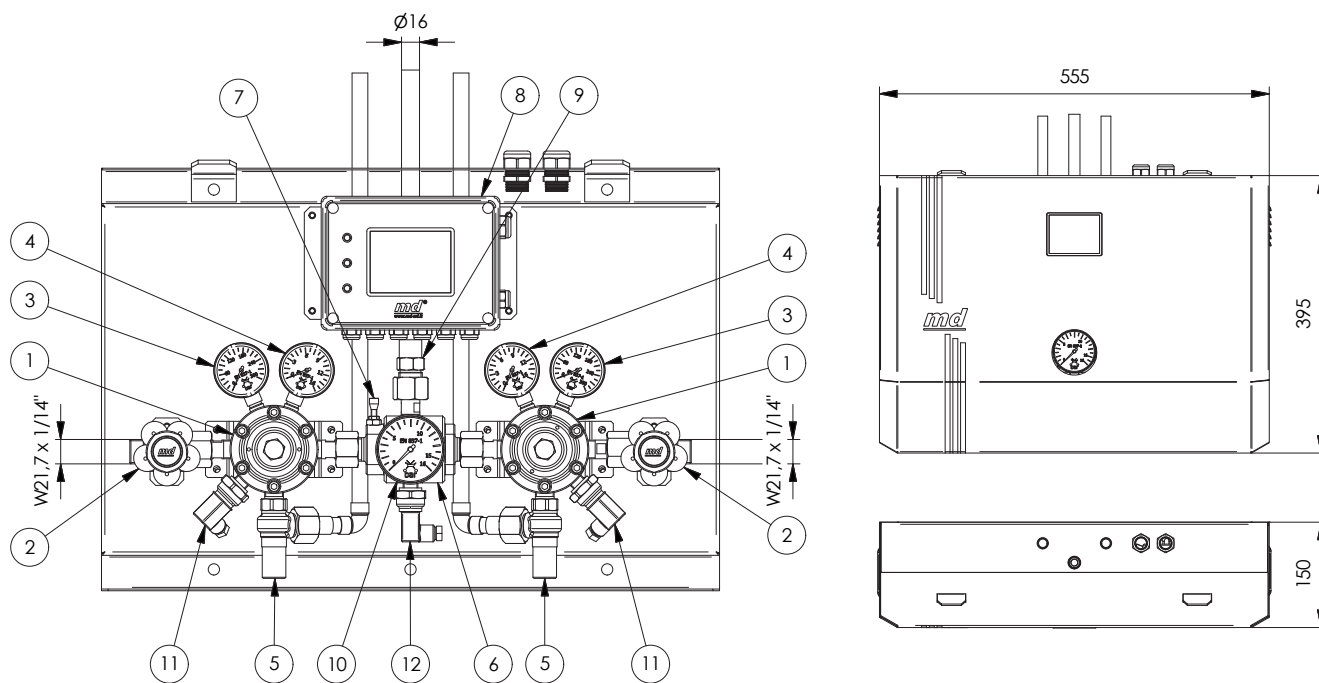
1ST STAGE REGULATOR PRESSURE CHARACTERISTIC, $Q_1 = 40 \text{ Nm}^3/\text{h}$








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DIMENSIONS



KEY:

- | | |
|---|---|
| 1. Pressure regulator | 8. (optional) TFT or LED alarm module |
| 2. Hp inlet valve | 9. Fitting for outgoing pipe welding |
| 3. High pressure gauge | 10. Line pressure gauge |
| 4. Low pressure gauge | 11. (optional) HP source pressure transducer or pressure switch |
| 5. Safety valve with outlet fitting for Ø=14mm pipe welding | 12. (optional) Line pressure transducer or pressure switch |
| 6. Automatic change-over | |
| 7. Working manifold sensor | |

CODE	GAS	OPTIONS			PACKAGING		
		PRESSURE TRANSDUCER		PRESSURE SWITCH	 type	 cm	 kg
		CODE	SCALE	CODE			
PF-5121-00O2	O ₂	KT-2210-0250	0-250 bar	KT-2200-HWA1	box	60 x 45 x 20	18
PF-5121-00AC	Air	KT-2210-0250	0-250 bar	20 bar calibration	box	60 x 45 x 20	18
PF-5121-0N2O	N ₂ O	KT-2210-0100	0-100 bar	KT-2200-HWB2	box	60 x 45 x 20	18
PF-5121-0CO2	CO ₂	KT-2210-0100	0-100 bar	11 bar calibration	box	60 x 45 x 20	18

