Made in Italy

md®
www.md-srl.it

Emergency inlet station (Q = 90 Nm³/h)

ITALCERT CE 0426

IDENTIFICATION

► Emergency decompression station for medical gas distribution, max flow rate 90 Nm³/h

► Pressure monitoring by means of pressure transducers or pressure switches (optional)

► Mounted on galvanized and painted steel frame

► Cover panel with window for constant monitoring of pressure gauges

► Laser-marked plate indicating production lot and product code

medical air

CE MARKING

Notified body: 0426
CE marking in risk class II B in accordance with Directive 93/42/EEC
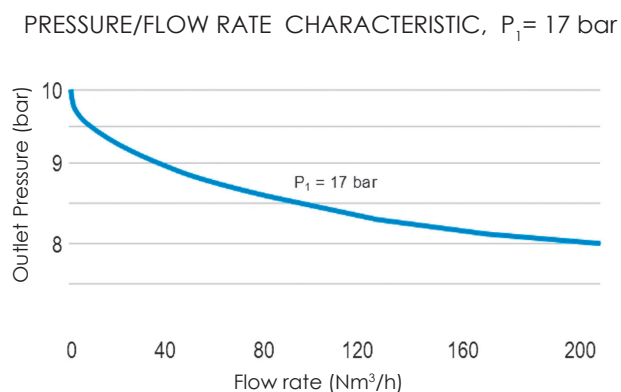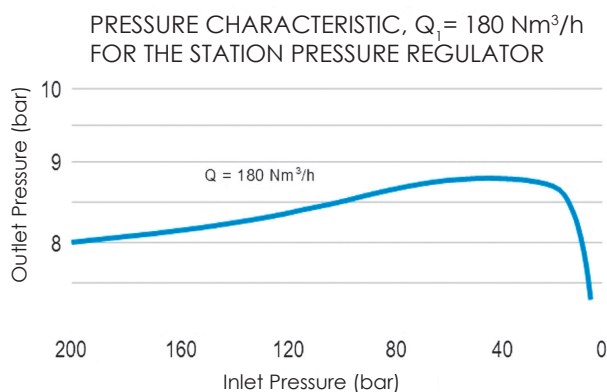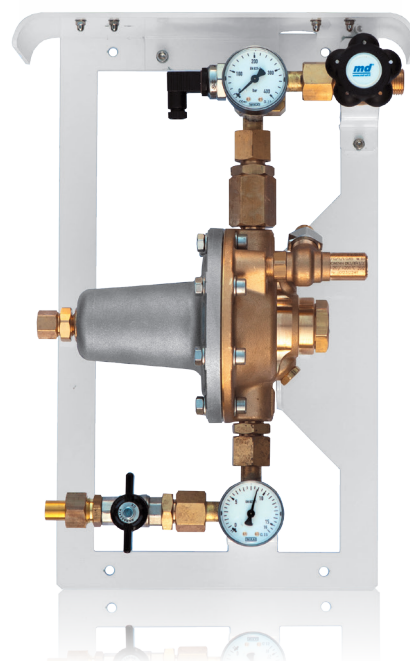
REFERENCE STANDARD

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"

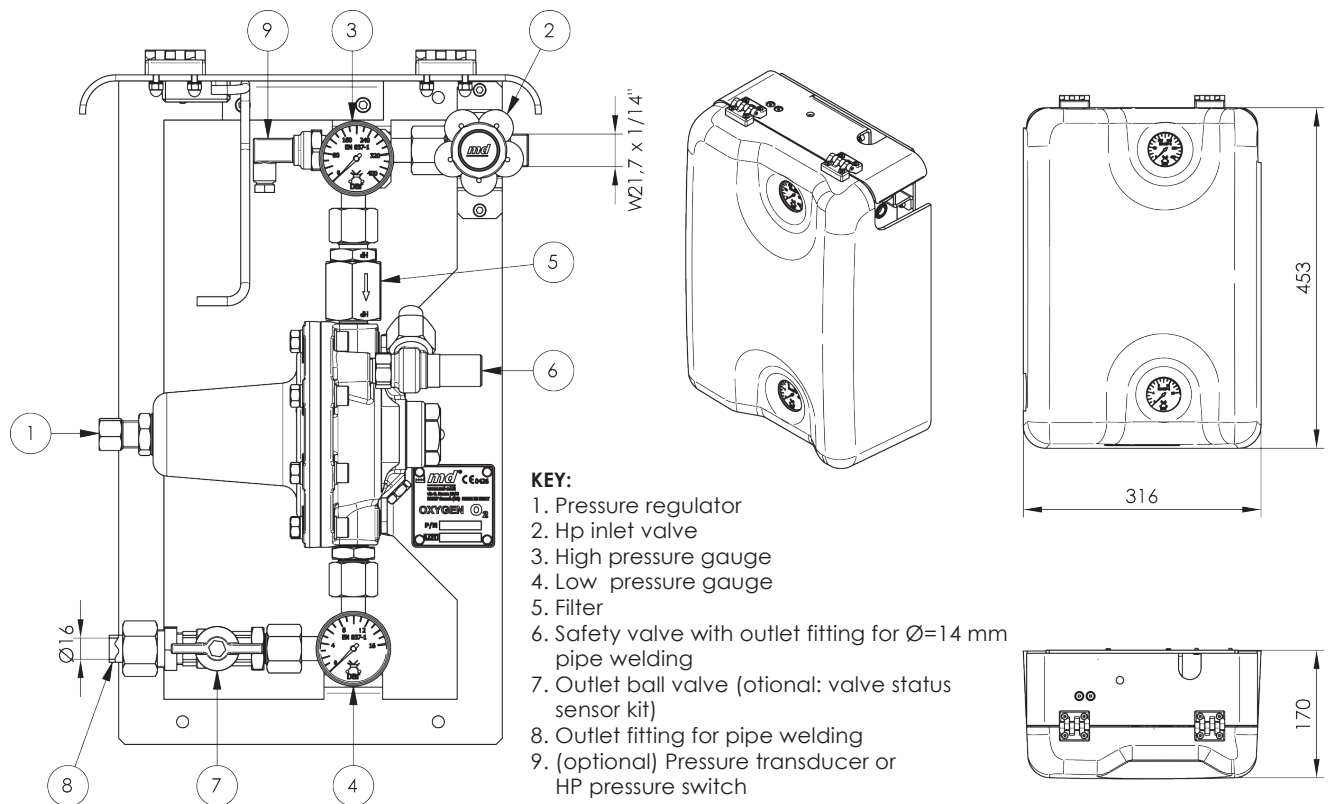**ISO 15001**: "Anaesthetic and respiratory equipment. Compatibility with oxygen"

* Validity of the standards is referred to the current year

PRESSURE CHARACTERISTIC, Q_1 = 180 Nm³/h FOR THE STATION PRESSURE REGULATOR

Outlet Pressure (bar)

Q = 180 Nm³/h

Inlet Pressure (bar)

PRESSURE/FLOW RATE CHARACTERISTIC, P_1 = 17 bar

Outlet Pressure (bar)

P_1 = 17 bar

Flow rate (Nm³/h)

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DIMENSIONS

W21.7 x 1/14"

Ø16

453

316

170

KEY:
1. Pressure regulator
2. Hp inlet valve
3. High pressure gauge
4. Low pressure gauge
5. Filter
6. Safety valve with outlet fitting for Ø=14 mm pipe welding
7. Outlet ball valve (otional: valve status sensor kit)
8. Outlet fitting for pipe welding
9. (optional) Pressure transducer or HP pressure switch

► Pressure regulator maximum flow rate: 180 Nm³/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_2O and CO_2)
► Outlet pressure gauge precision class and scale: 2.5; 0 ÷ 16 bar;
► Inlet degree of filtration: ≤ 24 µm

CODE	GAS	OPTIONS			PACKAGING		
		PRESSURE TRANSDUCER		PRESSURE SWITCH	type	cm	kg
		CODE	SCALE	CODE			
PF-5301-00O2	O_2	KT-2210-0250	0-250 bar	KT-2200-HWA1	box	38 x 23 x 52	13.0
PF-5301-00AC	Air	KT-2210-0250	0-250 bar	20 bar calibraton	box	38 x 23 x 52	13.0
PF-5301-0N2O	N_2O	KT-2210-0100	0-100 bar	KT-2200-HWB2	box	38 x 23 x 52	13.0
PF-5301-0CO2	CO_2	KT-2210-0100	0-100 bar	11 bar calibraton	box	38 x 23 x 52	13.0