



nitric oxide pressure regulator

clean, safe, precisely engineered

Nitric oxide pressure regulators are a robust and reliable means to reduce the pressure of dilute nitric oxide gas mixtures from cylinder pressure to 4 bar (60 psi) for supply to inhaled nitric oxide (iNO) delivery systems.

Benefiting from our proven and trusted medical pressure regulator design, the precisely engineered nitric oxide pressure regulator provides a clean, safe, stable and consistent gas delivery.

Our attention to detail and pursuit of excellence has resulted in a unique product delivering simplicity, assurance of safety and many unique benefits:

- Manufactured in a class 100,000 cleanroom
- Minimal internal volume minimises purge requirement at setup
- Outlet flow is limited to 12 L/min in case of inadvertent disconnection or damage
- Rotating pressure gauge for user convenience
- Dowel pinned, o-ring sealed joints for maximum security and to prevent contamination

Compliance & Safety

Nitric oxide pressure regulators are CE marked to the Medical Device directive 93/42/EEC as amended by directive 2007/47/EC. Nitric oxide pressure regulators provide compliance with all relevant European and International Standards, including DD CEN/TS 14507-1 and DD CEN/TS 14507-2.



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SPECIFICATION

Gas Compatibility	Nitric oxide (up to 1000 ppm) in nitrogen
Sensing Mechanism	Piston
Inlet Pressure Range	20 to 200 bar (290 to 2900 psi)
Nominal Outlet Pressure	400 kPa, not user adjustable
Nominal Over Pressure Valve Set Point	700 kPa
Operating Flow Range ⁽¹⁾	10 to 1000 mL/min
Maximum Flow ⁽²⁾	12 L/min
Inlet Connection ⁽³⁾	See note 3
Outlet Connection	Male quick coupling, Rectus 20KA series (6 mm ²)
Gas Wetted Materials (cylinder pressure)	Stainless steel, FKM, PEEK
Gas Wetted Materials (regulated pressure)	Stainless steel, anodised aluminium, FKM, PEEK
Service Interval	2 years
Intended Life	12 years
Environmental Transport, Storage and Operating Limits	Temperature: -20 °C (-4 °F) to 60 °C (140 °F) Humidity: 0 to 100 % RH non-condensing
Regulatory	EC: MDD Class IIb Medical Device

⁽¹⁾ The normal range of flow rates the device is intended to deliver from a gas cylinder during iNO therapy.

⁽²⁾ The maximum flow rate that the device will deliver with the outlet open to a 101.3 kPa atmosphere. This is restricted by a calibrated orifice in the outlet fitting.

⁽³⁾ A wide range of CGA V-1, DIN 477-1, BS 341-1, ISO 5145 and other models are available.

