



Use

For reducing cylinder pressure and for the withdrawal of medical gases; the following accessories can be connected to the pressure reducer:

- to flow outlet: humidifier or atomizer systems (via a hose connection)
- to pressure outlet: units intended for connection to a central gas supply system

Additional information

- The equipment and all connections **must** be free from oil, grease and lubricants since, otherwise, there is the risk of fire or explosion!
- Never use tools when connecting the unit and the accessories; all connections can be tightened or loosened by hand.
- Always open cylinder valve slowly! Jerky opening presents fire and explosion hazards; pressure surges may damage the unit or the accessories. The safety valve may open for a short period!
- Cleaning agents and disinfectants must not enter the unit!
- With oxygen, compressed air and nitrogen, the cylinder pressure is a measure for the cylinders' filling level. With nitrous oxide and carbon dioxide, the pressure remains constant during use.
- If the setting of the blowdown valve is changed, the working pressure will increase and accessories may be damaged.
- The units meet the basic requirements of the Medical Product Directive 93/42/ECC; Classification: IIb; DIN EN 738-1

FALKE Pressure reducer

Technical data

Type:	piston-type pressure reducer with content gauge, all metal design (chrome-plated brass), optionally with flow meter (latch-down flow rate setting) and/or plug-in coupling or, respectively, connection fittings
Capacity:	admission pressure max. 20000 kPa, outlet pressure 250 kPa (for units with plug-in coupling/connection fitting 450 kPa) adjustable flow rate in steps between: Neonatal: 0-0.5 l/min Children: 0-4 l/min Standard: 0-15 l/min Standard+: 0-30+ l/min
Connection:	inlet: gas-type specific fitting according to DIN 477, optionally international standard outlet: hose nozzle and/or plug-in coupling and/or fitting

Operation

Before connecting the pressure reducer to a gas cylinder, check seal in high-pressure inlet fitting! Apply nozzle to cylinder valve and screw fitting tight **by hand**. Fasten accessory to the unit.

Slowly open cylinder valve! The content gauge shows the cylinder pressure: green range: OK; red range: cylinder empty! Adjust the desired flow volume at the flow regulator.

After use, close cylinder valve and make pressure reducer pressureless. Unscrew accessories and unscrew pressure reducer fitting from the cylinder valve **without** tools.

Service and Maintenance

External disinfection with a cloth is sufficient for all chrome-plated metal parts. Clean plastic parts with a disinfectant solution. Let equipment dry completely before using it again.

Prior to each use, make a visual check (external damage). A function and leak test should be performed at least once a year; maintenance should be done every five years (replacement of wear parts). Failures and damages may only be remedied by authorized expert personnel. Do repairs only on the pressureless unit; use only original GREGGERSEN spare parts.

Spare parts

1. 100138 O-ring 10x2,5 NBR 80
2. 100117 Sintered metal filter G1/8"