



Präzival III



Präzival II

Use

For oxygen therapy in clinics and home care. In combination with humidifiers or atomizers for vaporizing and atomizing. The following accessories can be connected to the Präzival equipment:

- humidifiers (multi-way or one-way humidifiers)
- atomizers
- hose nozzles 4/6 mm

Additional information

- The unit and all connections must be free from oil, grease and lubricants since this would otherwise present a fire or explosion hazard.
- Never use tools for connecting the unit and accessories! All fittings can be tightened and loosened by hand.
- Always open cylinder valve slowly! Jerky opening presents fire and explosion hazards; pressure surges may damage the unit or accessories. The safety valve can open for a short time during pressure surges!
- Do not use any cleaners containing alcohol
- Comply with *UVV Sauerstoff* (Accident Prevention Regulation, Oxygen) when using the equipment.
- For oxygen, compressed air and nitrogen, the cylinder pressure is also an indicator for the filling level in the cylinders. For nitrous oxide and carbon dioxide, the pressure remains constant during gas withdrawal.
- When the setting of the blowdown valve is changed, the working pressure will increase and the accessories may be damaged.
- The flow meter reads correctly only when the measuring tube is vertical in position. Do not close needle valve forcibly: the valve seat may be damaged.
- The units meet the basic requirements of the Medical Products Directive 93/42/ECC; Classification: IIb; DIN EN 738-1

Präzival II / III

Technical data

Type:	spring-loaded diaphragm pressure reducer with content gauge, chrome-plated surface, all metal design, with 0-15 l/min. flow meter, floating body method, needle valve, fixed adjustment pressure reducer 500 kPa
Capacity:	admission pressure max. 20000 kPa; continuously adjustable flow from 0-15 l/min., safety valve opens at approx. 700-800 kPa
Connection:	gas-type specific inlet fitting according DIN 477 outlet nozzle: 9/16-18 UNF (for standard one-way humidifier)

Operation

Check the seal in the high-pressure inlet fitting prior to connecting the pressure reducer to a gas cylinder! Attach nozzle to cylinder valve and tighten fitting **by hand**. Close dosing valve on flow meter. Connect accessory to unit.

Slowly open cylinder valve! The content gauge shows the cylinder pressure and gas can now be taken from it. Adjust desired flow volume on hand wheel. For flow meters, the floating body shows the gas volume just taken (reading point: center of the ball)

For Präzival III, pull gate valve to the bottom (open) and turn spindle in outlet nozzle with a hexagon spanner SW2: flow is variably adjustable. The floating body shows the gas volume just taken. Push gate valve to the top again. The floating body must be at rest. Connect accessories and start the therapy. With the gate valve, the application can be interrupted or started anytime.

To stop operation, close cylinder valve and make pressure reducer pressure less. Unscrew accessory and remove pressure reducer fitting from the cylinder valve **without** any tool.

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). The unit should be checked at least once a year in a function and leak test; every five years, maintenance should be done (replacement of wear parts). Failures and damages may only be remedied by authorized expert personnel. Make repairs only on the pressureless unit; use only original GREGGERSEN spare parts.

Spare parts

1.	100138	O-ring 10x2.5 NBR 90
2.	100117	Sintered metal filter G1/8"
3.	601006	Floating cone, complete
4.	100451	Diaphragm 38x2 PB
5.	100126	Washer 8x2 PB
6.	100473	Gas-type plate, oxygen
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7.	100089	Measuring tube sleeve
8.	800278	Measuring tube 0-15 l/min, complete
9.	100083	O-ring 6x2 NBR 70
10.	100014	O-ring 18,77x1.78 NBR 70
11.	100062	Lip sealing ring 10x13.6x2.3