



Use

For dosing oxygen, compressed air and other medical gases; in connection with humidifiers or atomizers for vaporizing and atomizing. Accessories:

- humidifiers
- atomizers
- one-way humidifiers
- hose nozzles 4/6 mm

Technical data

Type:	pressure-compensated flow meter for medical gases; indication according to the floating body method (measuring ball); chrome-plated all metal design as a plug-in unit or as a rail unit, optionally as a double flow meter
Capacity:	15 l/min continuously adjustable in the range of the graduated tube (other measuring ranges are possible) max. flow with fully opened valve > 60 l/min. admission pressure: 500 kPa \pm 50 kPa accuracy of measurement: \pm 10 % of measuring value at Q > 1 l/min.
Connection:	gas-type specific plug inserts according to DIN 13260 Part 2 optional inserts for e.g. AGA, Air Liquide, Medap-C, BOC, NIST
Outlet:	9/16-18 UNF (for standard one-way humidifiers)

Additional information

- The flow meter indicates correctly only if graduated tube is vertical.
- Do not forcibly close the needle valve: the valve seat may be damaged. Never use tools when connecting the accessories; all connections can be tightened or loosened by hand.
- Graduated tube and floating body are made to fit together and may only be replaced together. Flow meter operating data (type of gas, pressure, temperature) are indicated on the graduated tube. Deviations therefrom affect the accuracy of measurement.
- Always keep all connections free from oil and grease!
- Medical flow meters meet the basic requirements of Medical Products Directive 93/42/ECC; Classification: IIa.
- Subject to technical change without notice; other designs upon request

Medical flow meter

Operation

Prior to coupling the plug into the gas outlet, close the flow meter needle valve. Fasten rail units on the medical instruments rail. For plug-in units, plug the unit into the gas outlet; for rail units, plug the angle plug into the gas outlet. Since the operating pressure builds up in the flow meter, the measuring ball jumps upward for an instant.

Always connect accessories by hand: prior to first use, completely sterilize humidifier and atomizer; screw hose nozzles and, respectively, humidifier/atomizer under the flow meter; fill reusable bottle with sterile water up to the mark and screw under the bottle head; connect additional accessories.

Set the desired gas volume via the needle valve. The measuring ball shows the gas volume just withdrawn (reading point: center of ball). During use, pay attention to a sufficient water level of humidifier or, respectively, atomizer.

After use, close the needle valve again. The measuring ball must be at rest. The flow meter can remain in the outlet, preferably in park position. If required, separate humidifier or atomizer from the flow meter; drain and sterilize bottle.

Service/Maintenance

External disinfection with a cloth is sufficient for all chrome-plated brass parts. Sterilize humidifier and atomizer bottle at 120° C. Let equipment dry completely before using it again.

Prior to each use, make a visual check of flow meter, humidifier and atomizer (external damages). The units should have a maintenance check at least once every five years (function and leak test). Failures and damages may only be remedied by authorized expert personnel. Do repairs only on the pressureless unit; use only original GREGGERSEN spare parts!

Number	Description
800277	Graduated tube 0-6 l/min., complete
800278	Graduated tube 0-15 l/min., complete
800279	Graduated tube 0-30 l/min., complete
100089	Graduated tube sleeve
100014	O-ring 18.77x1.78
100083	O-ring 6x2

