

SWISS optio basic



basic

The **basic** at a glance :

- Compact, robust construction
- Set to a working pressure of 4.5 bar
- Up to 3 outlets possible for the connection of consumers
- Integrated pressure relief valve
- Mainly intended for use in clinics and in emergency medicine
- The pressure reducing valve can be supplied with a vertical or horizontal gauge

The **basic** medical pressure reducing valve is used to supply between one and three consumers with medical gas from a high-pressure gas cylinder at a fixed pressure.

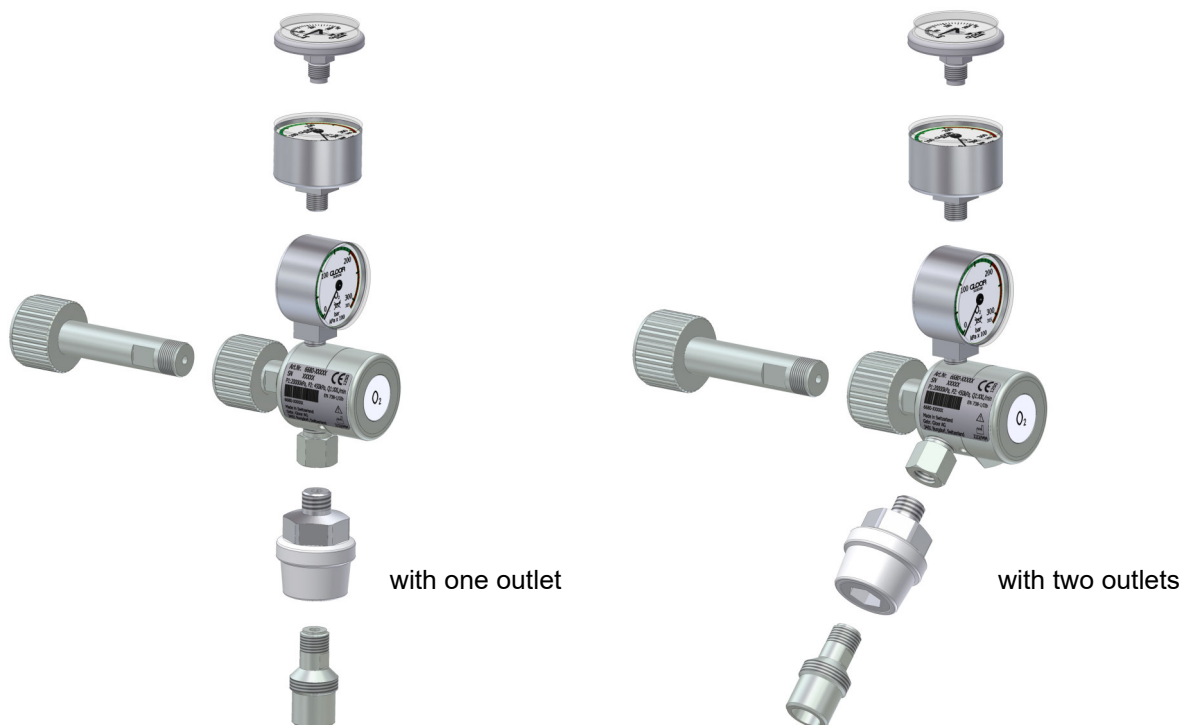
Depending on the application, the outlets can be fitted with self-closing outlets, NIST housings or quick-release couplings. It must be observed that the cylinder has sufficient residual pressure depending on the required flow rate (s.technical data).

The **basic** meets the requirements of EN ISO 10524-1 (incl. burn-out test for oxygen); CE marking according to the Guideline for Medical Products 93/42/EEC.

Technical data :

Construction	Single-stage piston pressure reducing valve
Inlet pressure	200 bar
Outlet pressure	4.5 bar (fixed)
Flow rate (Air)	with residual pressure in cylinder of 10 bar : 55 l/min, 20 bar : 100 l/min, 30 bar : 150 l/min
Gas	Air, O ₂ , CO ₂ , N ₂ O, test gas mixtures (other gases on request)
Inlet	Cylinder connection DIN, NF, AGA, BS, PIN-Index, UNI (other on request)
Outlet	G1/4" inner thread, as option with self-closing outlets M12 x 1, NIST-housings, quick couplings (country-specific)
Material	Brass body, external parts nickel plated
Sealing material	CU, EPDM, SI and PEEK
Operating temperature	-20° to +60°
Dimensions	W x H x D : 40 x 106 x 80 mm (standard version)
Weight	590 g (screw connector)

Model variants Art.No GM61xx :



Necessary information when ordering:

Gas	Air, O ₂ , CO ₂ , N ₂ O, test gas mixtures
Inlet	DIN, NF, AGA, BS, UNI, PIN-Index
Number of outlets	1, 2 or 3 (displaced by 90° each)
Outlet	G1/4" inner thread, self-closing outlet M12x1, NIST-housing, quick coupling
Position of gauge	vertical, horizontal

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