

SWISS optio varius



varius

The **varius** at a glance :

- Compact, robust construction
- Ratchet disc for simple and user-friendly setting of the extraction flow-rate
- Readability of the set flow-rate from both the front and the side
- Accurate withdrawal, regardless of the position of the cylinder
- Integrated pressure relief valve
- Intended for use in clinics, emergency medicine and home care
- The pressure reducing valve can be supplied with vertical or horizontal gauge

The **varius** pressure-reducing valve with flow control for medical use is used for the precise dosage of medical gases from a high-pressure gas cylinder by means of an integrated, precise flow controller.

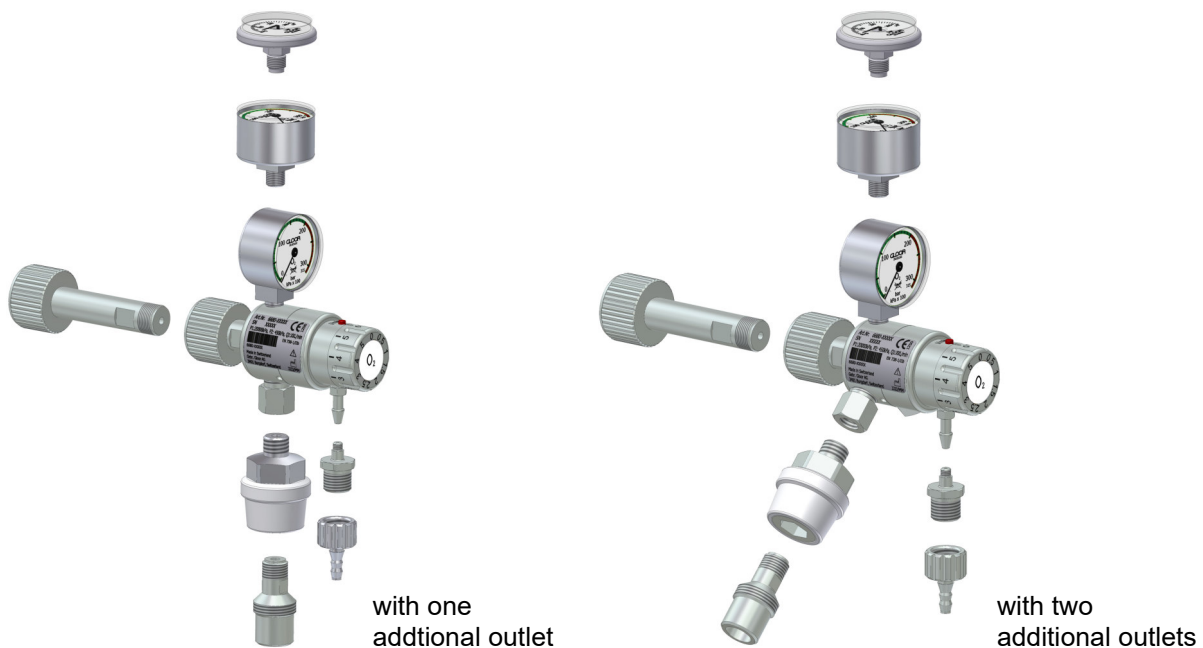
Depending on the model, the pressure reducing valve can also be fitted with up to three outlets (4.5 bar not flow controlled) that can be used for the operation of respirator units and additional instruments in clinics. It must be observed that the cylinder has sufficient residual pressure depending on the required flow rate (s.technical data).

The **varius** meets the requirements of EN ISO 10524-1 (incl. ignition 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)
Inlet	Cylinder connection DIN, NF, AGA, BS, PIN-Index, UNI (others on request)
Flow rate ranges	1 - 15 l/min, 0.5 - 5 l/min, 0.1 - 1 l/min (other ranges on request)
Flow rate (Air)	with residual pressure in cylinder of 10 bar : 55 l/min, 20 bar : 100 l/min, 30 bar : 150 l/min
Measurement accuracy	± 20%
Gas	Air, O ₂ , CO ₂ , N ₂ O, test gas mixtures (other gases on request)
Outlet (flow controlled)	Hose connector 5 or 6 mm, threaded nipple G1/4", G3/8", G1/2", 9/16" UNF
Outlet (not flow controlled)	G1/4" inner thread, as option with self-closing outlets M12x1, NIST-housings or quick connectors (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 105 x 97 mm (standard version)
Weight	720 g screw connection 850 g PIN Index connection

Model variants Art.No GM60xx :



Necessary information when ordering:

Gas	Air, O ₂ , CO ₂ , N ₂ O, test gas mixtures
Flow-rate range	1 - 15 l/min, 0.5 - 5 l/min, 0.1 - 1 l/min
Inlet	DIN, NF, AGA, BS, UNI, PIN-Index
Outlet	Hose connector 5 or 6 mm, threaded nipple G1/4", G3/8", G1/2", 9/16" UNF
Position of gauge	vertical, horizontal

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