

SWISS optio reduc hp2



reduc 2

The **reduc hp2** at a glance :

- For the variable regulation of a working pressure of 0-10 bar
- Extremely constant working pressure thanks to the two-stage construction
- High flow capacity
- For the direct connection of one medical gas consumer
- With integrated pressure relief valve
- Mainly intended for use in clinics

The **reduc hp2** medical pressure reducing valve is used for the direct supply of a consumer with medical gas at a variable or fixed supply pressure from a high pressure gas cylinder.

Thanks to the two-stage construction, the pressure reducing valve provides a very constant working pressure while the gas cylinder is being emptied. The first pressure stage reduces the cylinder pressure to 20 bar. The pressure can then be adjusted between 0-10 bar in the second pressure stage.

The **reduc hp2** is fitted with a high pressure gauge for the cylinder pressure and a low pressure gauge for the indication of the set working pressure (both gauges according EN 837-1). Depending on the model, the desired working pressure can be adjusted using the regulating handle, or can be set to the desired working pressure in the factory.

The **reduc hp2** is used for the direct supply of medical equipment, flow measuring devices or for the direct feed of an emergency supply of a central medical gas supply system.

The **reduc hp2** is certified in accordance with EN ISO 10524-1 (incl. ignition test for oxygen); CE marking according to the Guideline for Medical Products 93/42/EEC.

Technical data :

Construction	Two-stage diaphragm pressure reducing valve
Inlet pressure	200 bar
Outlet pressure	0-1.5 / 0-4 / 0-6 / 0-10 bar or preset at customers request
Flow rate	$Q_1 = 18 \text{ Nm}^3/\text{h} / Q_{\text{max}} = 28 \text{ Nm}^3/\text{h}$
Irregularity coefficient i	~0 (P1=200...20 bar)
Gas	Air, O ₂ , CO ₂ , N ₂ O, N ₂ , He, Xe, test gas mixtures
Inlet	Cylinder connection DIN, NF, AGA, BS, PIN-Index, UNI (others on request)
Outlet	Lateral with G1/4" inner thread, NIST, quick coupling
Material	Brass body, external parts nickel-plated
Sealing material	EPDM, Si, PA, PEEK
Operating temperature	-20° to +60°
Dimensions	W x H x D : 150 x 125 x 150 mm
Weight	2 kg

Model variants Art.No GM620x :



Necessary information when ordering:

Gas	Air, O ₂ , CO ₂ , N ₂ O, N ₂ , He, Xe, test gas mixtures
Outlet pressure	0 - 1.5 / 0 - 4 / 0 - 6 / 0 - 10 bar with adjustable versions, the desired working pressure with preset versions
Inlet	DIN, NF, AGA, BS, UNI, PIN-Index
Outlet	G1/4 inner thread, NIST, quick coupling

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