

SWISS optio pipeline regulator



LP regulator

The pipeline regulator at a glance:

- high flow rate
- for inlet pressure up to 50 bar
- with working pressure range up to 1.5, 6, 10, 20 or 40 bar available
- for installation in flow direction from the right or from the left
- the application is mainly intended for central gas supply systems in hospitals and clinics

The field of application of the medical **pipeline regulator** is mainly found in the area of central gas supply systems for medical gases. The **pipeline regulator** is used either as a supply regulator in a cold vaporizer (liquefied gas tank) line or as a second pressure stage in medical gas supply systems with gas cylinders or racks.

The working pressure of the **pipeline regulator** can be adjusted up to 1.5, 6, 10, 20 or 40 bar. The adjustment of the pressure is effected with the help of a tool. Once adjusted, the pressure is secured by means of a counter nut to prevent any unintended or unauthorised adjustment of the pressure.

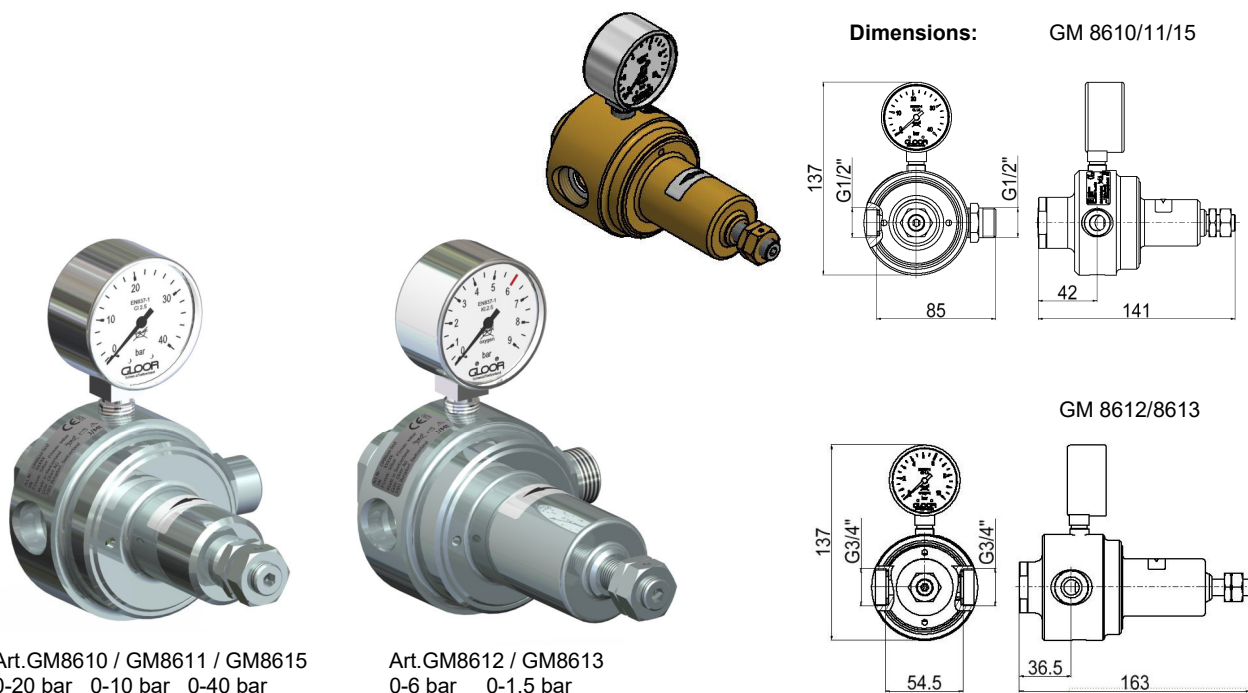
The **pipeline regulator** is equipped with a working pressure gauge and in the inlet with an integrated sinter filter made of inox wire mesh.

The **pipeline regulator** has been submitted to an ignition test for oxygen with a supply pressure of 100 bar in accordance to EN ISO 10524-2. CE marking according to Guideline for Medical Products 93/42/EEC.

Technical data :

Construction	single-stage diaphragm pressure regulator
Inlet pressure	max. 50 bar
Outlet pressure	0-1.5 bar, 0-6 bar, 0-10 bar, 0-20 bar or 0-40 bar
Flow rate for air	$P_1 = 8 \text{ bar}, P_2 = 6 \text{ bar}, Q = 80 \text{ m}^3/\text{h}$ $P_1 = 12 \text{ bar}, P_2 = 10 \text{ bar}, Q = 130 \text{ m}^3/\text{h}$ $P_1 = 20 \text{ bar}, P_2 = 10 \text{ bar}, Q = 200 \text{ m}^3/\text{h}$ $P_1 = 40 \text{ bar}, P_2 = 15 \text{ bar}, Q = 400 \text{ m}^3/\text{h}$ (for additional indications on flow rates, ask for our flow charts)
Gas	Air, O ₂ , CO ₂ , N ₂ O, N ₂ , He, Xe and their mixtures
Inlet	lateral, G3/4" inner thread, G1/2" outer thread (with inner cone)
Outlet	lateral, G3/4" inner thread, G1/2" inner thread (flat seal)
Material	body brass, external parts nickel-plated or plain brass
Sealing material	POM, PA, FPM, EPDM, NBR, aluminium, laminated fiber sheet
Operating temperature	-20° up to +60°C
Dimensions	W x H x D : 94 x 139 x 140 mm
Weight	1.8 kg

Model variants GM8610 / GM8611 / GM8612 / GM8613 / GM8615 :



Art. GM8610 / GM8611 / GM8615
0-20 bar 0-10 bar 0-40 bar

Art. GM8612 / GM8613
0-6 bar 0-1.5 bar

Necessary information when ordering :

Gas	Air, O ₂ , CO ₂ , N ₂ O, N ₂ , He, Xe and their mixtures
Working pressure	0 - 1.5 bar, 0 - 6 bar, 0 - 10 bar, 0 - 20 bar, 0 - 40 bar
Inlet	left or right, G3/4" inner thread, G1/2" outer thread
Outlet	G3/4" inner thread, G1/2" inner thread
Surface	nickel-plated, plain brass

Subject to changes. All trademarks are the property of Gloor Ltd.