Safety through Precision

SWISS optio pipeline regulator maxi

LP regulator

The pipeline regulator maxi at a glance:

- very high flowrate
- for inlet pressure up to 50 bar
- for working pressure up to 10 bar
- 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 maxi** is mainly found in the area of central gas supply systems for medical gases. The **pipeline regulator maxi** is used either as a supply regulator in a cold vaporizer (liquiefied 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 maxi** can be adjusted up 10 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.

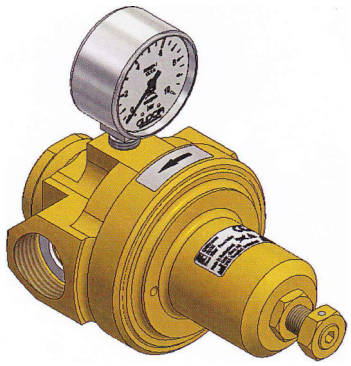
The **pipeline regulator maxi** is equipped with a working pressure gauge and in the inlet with an integrated filter made of inox wire mesh.

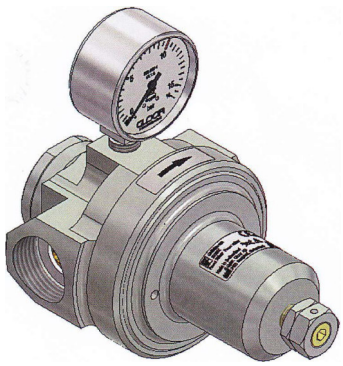
The **pipeline regulator maxi** has been submitted to an ignition test for oxygen with a supply pressure of 100 bar in accordance to EN ISO 10524-2. CE marking according to Guideline for Medical Products 93/42/EEC.

Technical data :

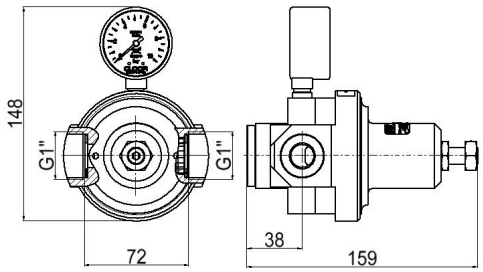
Construction	single stage diaphragm regulator
Inlet pressure	max. 50 bar
Outlet pressure	0 – 6 bar, 0 - 10 bar
Flow rate for air	P_1 = 15 bar, P_2 = 10 bar, Q = 500 m^3/h
	P_1 = 15 bar, P_2 = 5 bar, Q = 280 m^3/h
	P_1 = 25 bar, P_2 = 10 bar, Q = 640 m^3/h
	P_1 = 25 bar, P_2 = 5 bar, Q = 300 m^3/h
	(for additional indications on flow rates, ask for our flow charts)
Gas	Air, O_2, CO_2, N_2O, N_2, He, Xe and their mixtures
Inlet	lateral, G 1“ inner thread (as option with nipple G 1“ outer thread Art.79079)
Outlet	lateral, G 1“ inner thread (as option with nipple G 1“ outer thread Art.79079)
Material	body brass, outer parts nickel plated or plain brass, EPDM, filter stainless steel
Sealing material	EPDM, PA6, POM
Operating temperature	-20º to +60ºC
Dimensions	B x H x D: 136 x 148 x 153 mm
Weight	3.3 kg

Model variants GM8641 / GM8642 :

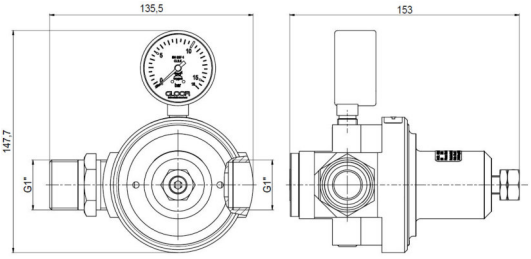




Dimensional drawing :
GM8641 / GM8642



Dimensional drawing with outer threads :
GM8641 / GM8642



Necessary information when ordering :

Gas	Air, O_2, CO_2, N_2O, N_2, He, Xe and their mixtures
Working pressure	0 – 6 bar, 0 - 10 bar
Inlet	left or right, G1“ inner thread (flat seal), with nipple G1“ outer thread (with inner cone)
Outlet	G1“ inner thread (flat seal), with nipple G1“ outer thread (with inner cone)
Surface	nickel plated or plain brass

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