

PRESSURE REGULATOR FOR HIGH WORKING PRESSURE UP TO 100, RESP. 200 BAR



Art.7903-2 with thread nipple 21.8

This new product line of pressure regulators was developed in particular for applications which require a very high working pressure. Piston pressure reducing valve which guarantees for a precise and stable setting of the secondary pressure. The pressure regulator disposes of a cylinder connector, a cylinder pressure gauge, a working pressure gauge and a connector thread in the outlet (as option with thread nipple 21.8 right). The resistance of the inlet pressure and outlet pressure chamber are tested analog EN ISO 7291. A safety valve for the protection of the pressure regulator is due to the high testing pressure (540 bar) not necessary.

The pressure regulator is available in version for 200 bar and for 300 bar inlet pressure, and as well for working pressure up to 100 bar or up to 200 bar. The working pressure is infinitely adjustable on the handwheel between 10 – 100 bar, resp. between 10 – 200 bar. For an easy pressure adjustment the handwheel shows at the front a hexagon, so that the pressure adjustment can also be made by means of a socket wrench 8 mm.

Pressure regulator for high working pressure Art.7902 / Art.7903

Inlet pressure :	200 bar (Art.7902) / 300 bar (Art.7903)
Working pressure :	10 – 100 bar / 1'450 psi, alternatively 10 – 200 bar / 2'900 psi (gauge with double scale bar/psi)
Flow (at p1 : 200 bar) :	p2 : 20 bar = 66 m3/h, p2 : 50 bar = 380 m3/h
Gases :	argon, compressed air, natural gas, nitrogen, hydrogen, oxygen
Inlet :	gas specific screwed connector according DIN 477 (200 bar) or ISO 5145 /NEVOC (300 bar)
Outlet :	Inner thread G3/8", as option with thread nipple W21,8x1/14" male thread for high pressure hose or Swagelok shut-off valve 1/4"
Operating temperature :	-20 up to +60°C
Weight :	2.7 kg
Material :	body and piston made of brass, sealing material : NBR (HITEC)

Ordering information :

Art.7902-1	with inlet pressure up to 200 bar, working pressure up to 100 bar
Art.7902-2	with inlet pressure up to 200 bar, working pressure up to 200 bar
Art.7903-1	with inlet pressure up to 300 bar, working pressure up to 100 bar
Art.7903-2	with inlet pressure up to 300 bar, working pressure up to 200 bar
Art.53304	thread nipple 21.8 right (male thread)

Please indicate by ordering the desired gas.