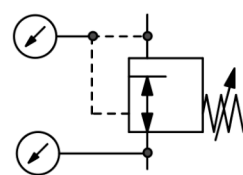


pressure regulator for gas-bottles series PR97



Description	High pressure regulator for gas cylinders for reducing pressure of compressed air or liquid gases from a high level to the required pressure.	
Supply pressure	max. 300 bar	
Media	compressed air, oxygen or different gases	
Connections	according to DIN 477	
Adjustment	by T-handle	
Gauge port	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.	
Leakage rate	10 ⁻⁶ mbar l/s	
Compensation	All regulators are equipped with supply pressure variation compensation, so that a change in supply pressure has no effect on the outlet pressure's stability.	
Temperature range	-30 °C to 60 °C / -22 °F to 140 °F	
Material	Body: brass O-rings: NBR/Buna-N and EPDM Spring cage: brass Diaphragm: 65NBR4550, PTFE for outlet > 10 bar, stainless steel for pure gases up to 5.0	



P₁: max. 300 bar
0 ... 1.5/40 bar

Dimensions			Version	Flow rate		Supply pressure	Pressure range	Order number
A	B	C		m³/h*2	l/min*2			
mm	mm	mm	1-step			max. bar	bar	
			2-step					

Cylinder pressure regulator 300 bar for compressed air, connections DIN 477, with inlet / outlet gauges

210	190	100	1-step	48	800	300	0 ... 10
210	210	120		75	1250		0 ... 20
				120	2000		0 ... 40
240	190	100	2-step	8	133	300	0 ... 1.5
				48	800		0 ... 10



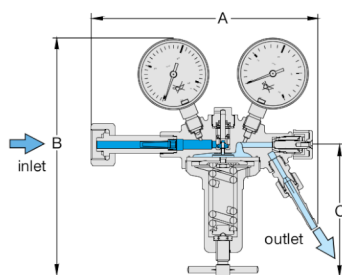
1-step

Special options, change the appropriate letter

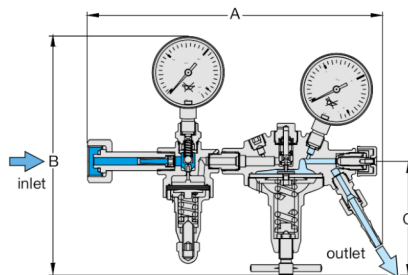
compressed air	connection gauge G ⁵ / ₈
carbon dioxide	CO ₂
inert gas	
argon	Ar
fuel gas	
nitrogen	N ₂
forming gas	up to 40 bar
helium	He
hydrogen	H ₂
testing gas	up to 40 bar
oxygen	O ₂
chrome-plated body	inside and outside
chrome-plated body	inside and outside
metal diaphragm	5.0 purity



2-step



cross-section, 1-step



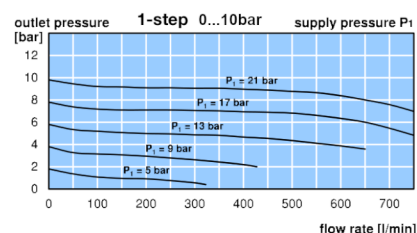
cross-section, 2-step

connection thread up to 300 bar		
gas type	inlet *1	outlet
fuel gas	W30x2 LH	G ³ / ₄ LH
all others	W30x2	G ¹ / ₂

flow rate - correction factor	
gas type	factor
compressed air	1.00
oxygen	O ₂ 0.95
carbon dioxide	CO ₂ 0.81
hydrogen	H ₂ 3.80
argon	Ar 0.85
helium	He 2.70
propane	C ₃ H ₈ 0.80
nitrous oxide	N ₂ O 0.80



chrome-plated



*1 Thread according to DIN 477, only left hand thread is marked LH, right hand RH is not marked.
*2 at supply pressure of 2x outlet pressure + 1 bar