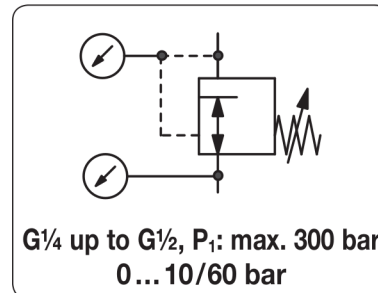


high pressure regulator series PR49



Description	Main pressure regulator according to ISO 7291 up to 300 bar with G½ connection thread. A filter at the inlet port protects against contamination.
Media	compressed air, oxygen or different gases on request
Supply pressure	see chart, max. 300 bar
Connections	G¼ to G½, optionally according to DIN 477
Adjustment	by T-handle for RH-..7.510 / 520 / 525 by hexagonal spindle (spanner size 20 mm) for RH-..7.545 / 565
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	without supply pressure variation compensation
Temperature range	-30 °C to 60 °C / -22 °F to 140 °F
Material	Body: brass O-rings: NBR/Buna-N Spring cage: brass Diaphragm: 65NBR4550, stainless steel for oxygen > 20 bar



Dimensions			Flow rate		Supply pressure	Connection thread	Pressure range	Order number
A	B	C	m³/h*1	l/min*1	max. bar	G	bar	
mm	mm	mm						

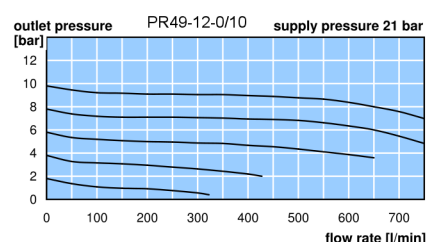
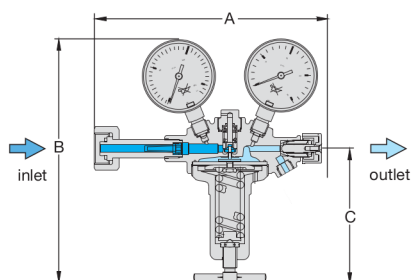
Main pressure regulator for compressed air, supply and outlet pressure gauge supplied

150	205	115	50	830	100	G½	0...10
			75	1250			0...20
			170	2830			0...20
			290	4830			15...40
200	310	215	450	7500			15...60
			50	830	200	G½	0...10
			75	1250			0...20
			170	2830			0...20
200	310	215	290	4830			15...40
			450	7500			15...60
150	205	115	50	830	300	G½	0...10
			75	1250			0...20
			170	2830			0...20
			290	4830			15...40
200	310	215	450	7500			15...60



Special options,

G¼	connection thread, max. 100 bar	
G¾	connection thread	
carbon dioxide	CO ₂	
inert gas		
argon	Ar	
fuel gas		up to 40 bar
nitrogen	N ₂	
forming gas		up to 40 bar
helium	He	
hydrogen	H ₂	
testing gas		up to 40 bar
natural gas *2		
oxygen	O ₂	up to 20 bar
chrome plated body	inside and outside	
metal diaphragm	5.0 purity	



*1 at supply pressure of 2 x outlet pressure +1 bar

*2 without DVGW-approval