

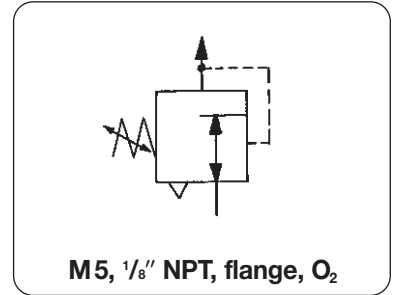
Plastic Precision Pressure Regulator

R800 / R900

Miniature



Description	Miniature precision regulator with high supply sensitivity. Made of plastic - wetted sections corrosion-resistant. Hysteresis-free adjustment to 20 turns, allows pressure setting to 2.5 mbar / 1" WC.	
Media	Compressed air or gas. R810 / R910 also suitable for liquids. Oxygen available as option.	
Supply pressure	max. 10 bar / 150 psi	Flow: 65 l/min $P_1 = 6 \text{ bar}$, $P_2 = 5 \text{ bar}$
Temperature range	4 °C to 66 °C / 40 °F to 150 °F	K_v-value: 0.05 (m ³ /h)
Relieving	15 l/min / 5cu.ft/min with outlet 0.35 bar / 5 psi above setpoint	
Wetted sections	Polysulfone, NBR (Buna N), EPDM, acetal, polyurethane, stainless steel	
Filtration	5 µm recommended	
Instructions	Do not use organic solvent-type cleaners, acetone, freon 22 or loctite 910 ...	
Model number	R800 R900 R901	R810 R910 R911
Relieving	standard	non-relieving
Constant bleed	350 ml / min / 21 scim,	non-bleed
Sensitivity	< 2.5 mbar / 1" H ₂ O,	< 5 mbar / 2" H ₂ O
Repeatability	< ± 7 mbar / 0.1 psi,	< ± 17 mbar / 0.25 psi
Effect of suppl. fluct.	< ± 7 mbar / 0.1 psi, when ΔP = 1 bar	< ± 20 mbar / 0.28 psi, when ΔP = 1 bar

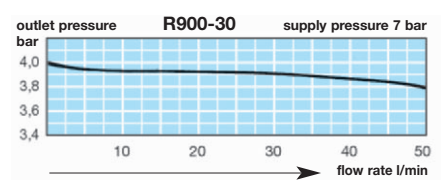
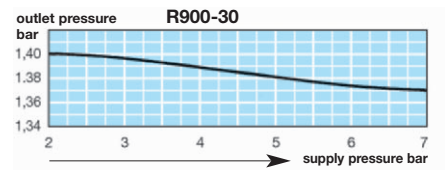
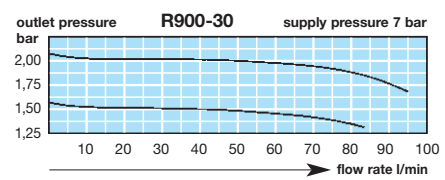
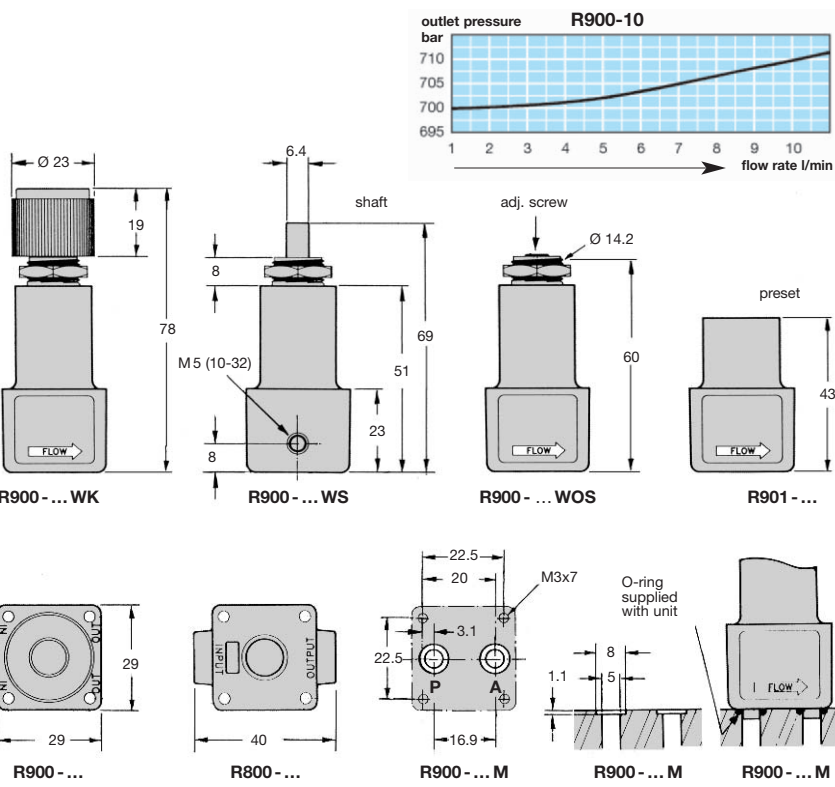


Dimensions		Pressure adjustment	Pressure range	Order number for manifold with O-ring	Order number 10-32 standard
height mm	width / depth ∅ mm	by	bar		

Precision pressure regulator			constant bleed, flow rate 65 l/min relieving, supply max. 10 bar		R800 / R900
78	29	knob	0.01 ... 0.24	R900-3,5 MWK	R900-3,5 WK
			0.01 ... 0.7	R900-10 MWK	R900-10 WK
			0.01 ... 2.1	R900-30 MWK	R900-30 WK
			0.02 ... 4.2	R900-60 MWK	R900-60 WK
			0.02 ... 6.5	R900-90 MWK	R900-90 WK
60	29	shaft	0.01 ... 0.24	R900-3,5 MWOS	R900-3,5 WOS
			0.01 ... 0.7	R900-10 MWOS	R900-10 WOS
			0.01 ... 2.1	R900-30 MWOS	R900-30 WOS
			0.02 ... 4.2	R900-60 MWOS	R900-60 WOS
			0.02 ... 6.5	R900-90 MWOS	R900-90 WOS
43	29	preset	indicate on order	R901-.. M	R901-..



Special options		add the appropriate letter			
connection 1/8" NPT	width 40 mm	8			R8... W.
without constant bleed	non-relieving	1	R910-.. MW.		R910-.. W.
without adjusting knob		S	R900-.. MWS		R900-.. WS
for oxygen	clean	O	R900-.. MW.O		R900-.. W.O
mounting bracket	53.1009.XX	X			R900-.. W.X



For your information:	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm

Order example:
R900-90 WK