Plastic Precision Pressure Regulator R800 / R900

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 HH WC.

Media
Compressed air or gas. R810 / R910 also suitable for liquids. Oxygen available as option.

Supply pressure max. 10 bar / 150 psi

Relieving
15 l/min / 5 cu.ft/min with outlet 0.35 bar / 5 psi above setpoint

Wetted sections
Polypropylene, 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

Relieving
standard

Constant bleed
350 ml/min / 21 scfm

Sensitivity
< 2.5 mbar / 1" H2O

Repeatability
< 7 mbar / 0.1 psi

Effect of suppl. fluct.
< 7 mbar / 0.1 psi, when ∆P = 1 bar

Pressures
max. 10 bar / 150 psi

Flow:
65 l/min P1 = 6 bar, P2 = 5 bar

Pressure range for manifold 10-32

Order number
R910, R911

Dimensions
height width / depth

Pressure adjustment range
for manifold

Order number
R800 / R900

Precision pressure regulator
constant bleed, flow rate 65 l/min relieving, supply max. 10 bar

78 29 knob 0.01...0.24 R900-3.5 MWK R800-3.5 W
0.01...0.7 R900-10 MWK R900-10 W
0.01...2.1 R900-30 MWK R900-30 W
0.02...4.2 R900-60 MWK R900-60 W
0.02...6.5 R900-90 MWK R900-90 W

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 order R901-... M R901-...

Special options
add the appropriate letter

connection ¼” NPT width 40 mm 8 R8...-... W.
without constant bleed non-relieving 1 R910... MW. R910... W.
without adjusting knob clean S R900... MWS R900... WS
for oxygen mounting bracket O R900... MW O R900... W O

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