

PR-5 Series



The PR-5 Series pressure control valve is designed for service at high flows with good sensitivity and regulation. While the design was originated for gas systems, this valve is perfectly suitable for liquid systems that are compatible with the materials of construction. Also of interest is the fact that while being able to perform with moderately high flows this valve also provides very good performance in flow ranges of only a few liters a minute.

This series is a variation of the time proven PR-1 Series which has been used for many applications in systems requiring stainless steel construction. The exact package size of the PR-1 has been retained making it convenient for the user to interchange these units if better control at higher flows is required.

- Gas or liquid service
- 316L stainless steel construction
- Teflon®/Viton® diaphragm
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble tight shutoff
- Outlet pressure ranges are 10, 25, 50, 100 and 250 psig
- Proof pressure is 2 times maximum working pressure
- Burst pressure is 4 times maximum working pressure
- Weight: 1.9 lbs (0.86 kg)
- Mounting style is surface or panel (see Outline and mounting dimensions)

Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature		Maximum Operating Inlet Pressure
Viton®	400° F (204° C)	@	300 psig (2.07 MPa)
EPR	150° F (66° C)	@	300 psig (2.07 MPa)
Buna N	150° F (66° C)	@	300 psig (2.07 MPa)
Kalrez®	400° F (204° C)	@	300 psig (2.07 MPa)