# ressure

# **GO**REGULATOR, INC.

### **PR-59 Series**

High Pressure/High Flow Pressure Reducing Regulator



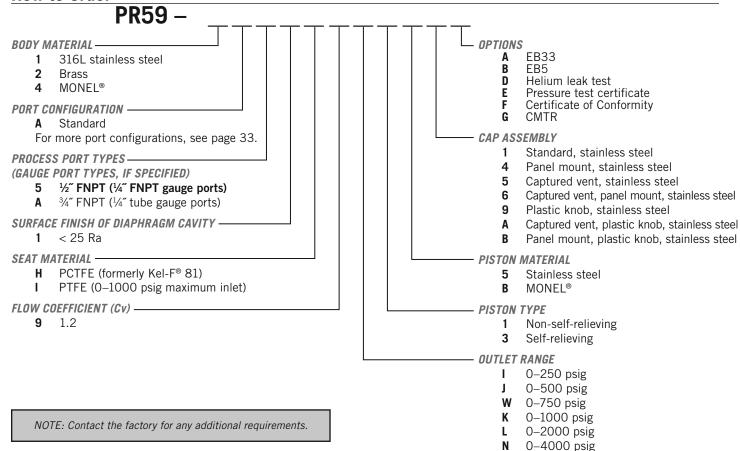
Designed for low and high pressures up to 4000 psig inlet, the PR-59 Series pressure reducing regulator controls high flow with its Cv flow coefficient of 1.2. Though normally supplied without self-relieving capability, this feature can be added as an option.

While primarily designed for use with gas streams, the PR-59 can be used with virtually any liquid systems that are compatible with the seals. A large size piston sensor gives good sensitivity of control even at low outlet pressures and the Kel-F® valve seat assembly gives normal bubble-tight shutoff.

### Features & Specifications

- 316L stainless steel, Brass and MONEL® body construction
- Inlet pressure capability up to 4000 psig
- Outlet control ranges from 250 psig up to 4000 psig
- Optional self-relieving feature
- Inlet and outlet ports of ½" or ¾" FNPT with ¼" FNPT gauge ports optional
- 1/2" FNPT standard
- Balanced poppet valve design for constant pressure control
- Viton® seals (other elastomers optional)
- PCTFE seat
- Cv flow coefficient is 1.2
- Operating temperatures of -40° F to +175° F (-40° C to +80° C)

### **How to Order**



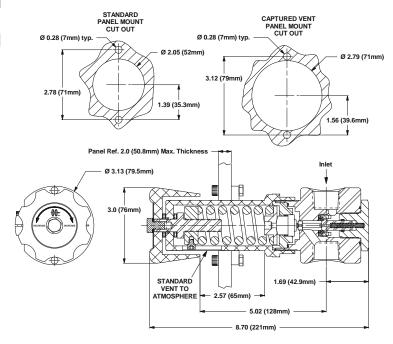
**Maximum Temperature &** 

**Operating Inlet Pressures** 

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM OPERATING INLET PRESSURE
PCTFE (formerly Kel-F® 81)	175° F (80° C)	@	4000 psig (27.58 MPa)
PTFE	150° F (66° C)	@	1000 psig (6.90 MPa)

### **Outline and Mounting Dimensions**

Weight = 4.6 lbs (2.1kg)



Kel-F® is a registered trademark of 3M Company. Viton® is a registered trademark of DuPont Dow Elastomers. MONEL® is a registered trademark of Special Metals Corporation.

## **Port Locations (Back Pressure Regulators)**

