#### REA TEL 04 75 47 74 85 FAX 04 75 47 76 29 Rhône Equipement Automatismes

## **GO**REGULATOR

### **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.

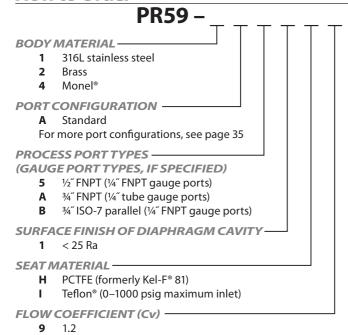
While primarily designed for use with gas streams, the PR-59 can be used with virtually any liquid systems that are compatible with the seals. A large size piston sensor gives good sensitivity of control even at low outlet pressures and the Kel-F® valve seat assembly gives normal bubble-tight shutoff.

#### **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
- 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)

#### **PR-59 Series**

#### **How to Order**



CAP ASSEMBLY Standard, stainless steel 4 Panel mount, stainless steel Captured vent, stainless steel 6 Captured vent, panel mount, stainless steel Plastic knob, stainless steel Captured vent, plastic knob, stainless steel Panel mount, plastic knob, stainless steel **PISTON MATERIAL** 5 Stainless steel В Monel® **PISTON TYPE** Non-self-relieving 1 3 Self-relieving **OUTLET RANGE** 0-250 psig 0-500 psig

NOTE: The choices above represent an abbreviated list of the more commonly ordered options. For a complete listing of all available options, please see the Selection Wizard on the GO website at www.goreg.com or contact the factory.

0-750 psig

0-1000 psig

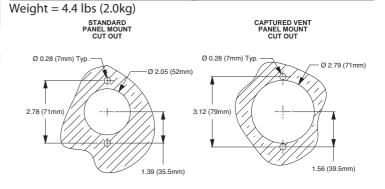
0-2000 psig 0-4000 psig

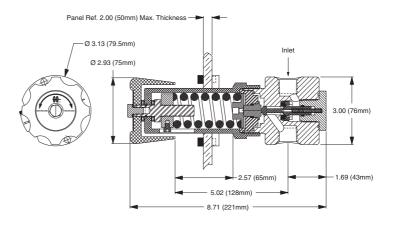
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## Maximum Temperature & Operating Inlet Pressures

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

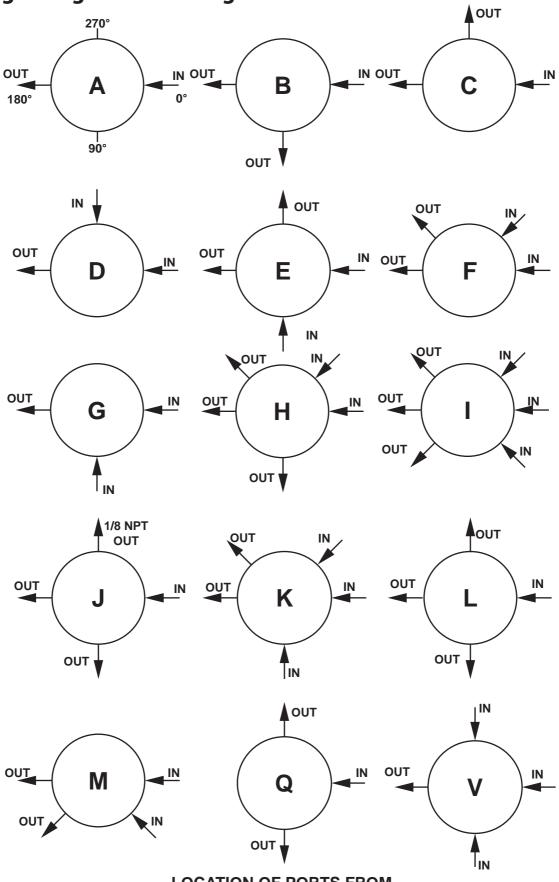
### Outline and Mounting Dimensions





Kel-F<sup>®</sup> is a registered trademark of 3M Company. Viton<sup>®</sup> is a registered trademark of DuPont Dow Elastomers. Monel<sup>®</sup> is a registered trademark of Special Metals Corporation. Teflon<sup>®</sup> is a registered trademark of the DuPont Company.

# **Porting Configurations for Single Stage Pressure Regulators**



LOCATION OF PORTS FROM TOP VIEW