

GO REGULATOR, INC.

A division of CIRCOR International, Inc.



PR-57 Series High Pressure Corrosion Resistant Regulator (10,000 psig Inlet)

To meet the demands for the safe reduction of inlet pressures up to 10,000 psig, GO Regulator has designed the PR-57 Series regulator. This precision regulator features a piston sensing design which provides the operator with low adjusting torque requirements when setting the outlet pressure. The body is constructed from 316L stainless steel, providing the ultimate in safety and corrosion resistance.

The optional self-relieving feature provides an additional level in operational ease, as it allows for trapped downstream pressure to be safely vented to atmosphere through the bonnet.

Features & Specifications

- Gas or liquid service
- 316L stainless steel construction
- Better than 25 Ra finish in diaphragm cavity
- Stainless steel spring loaded piston sensor
- 20 micron filter
- Bubble tight shutoff
- Inlet pressure maximum 10,000
- Outlet pressure ranges are 0–250, 0–500, 0–750, 0–1000, 0–2000, 0–4000, 0–6000, 7500 and 10,000 psig
- Operating temperatures -40° F (-40° C) to +150° F (+66° C)
- C_v flow coefficient 0.05 or 0.2

Options

- Gauges and CGA fittings for cylinder gas application
- Self relieving and captured vent
- 3/8" FNPT, 1/4" AN 10050-4, 1/4" SAE J514 or 1/4" MS 33649 ports

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PR-57 Series

High Pressure Corrosion Resistant Regulators (10,000 psig Inlet)

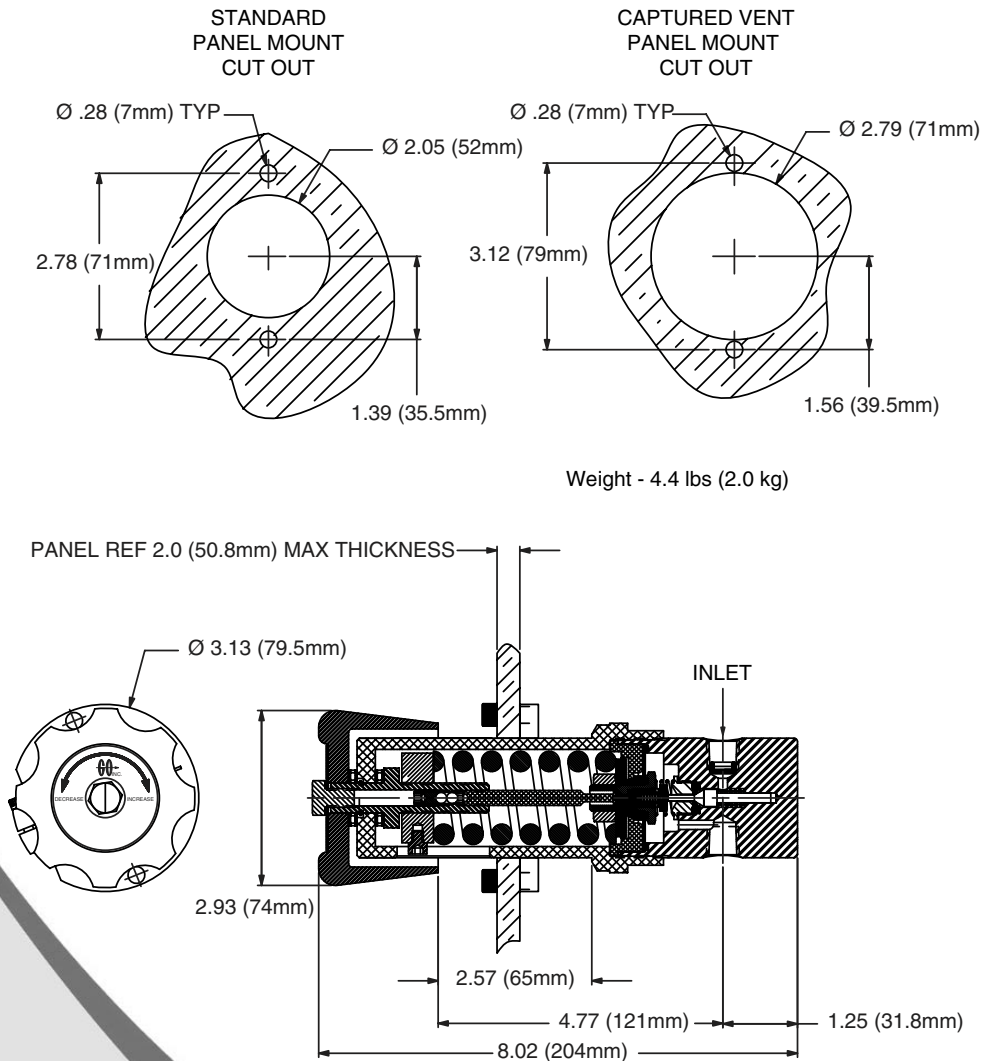
How to Order

See page 3 for standard configurations. For additional configurations, consult the factory.
See page 4 for port locations.

Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature	@	Maximum Operating Inlet Pressure
Polyimide	150° F (66° C)	@	10,000 psig (68.95 MPa)
PEEK	150° F (66° C)	@	10,000 psig (68.95 MPa)

Outline and Mounting Dimensions

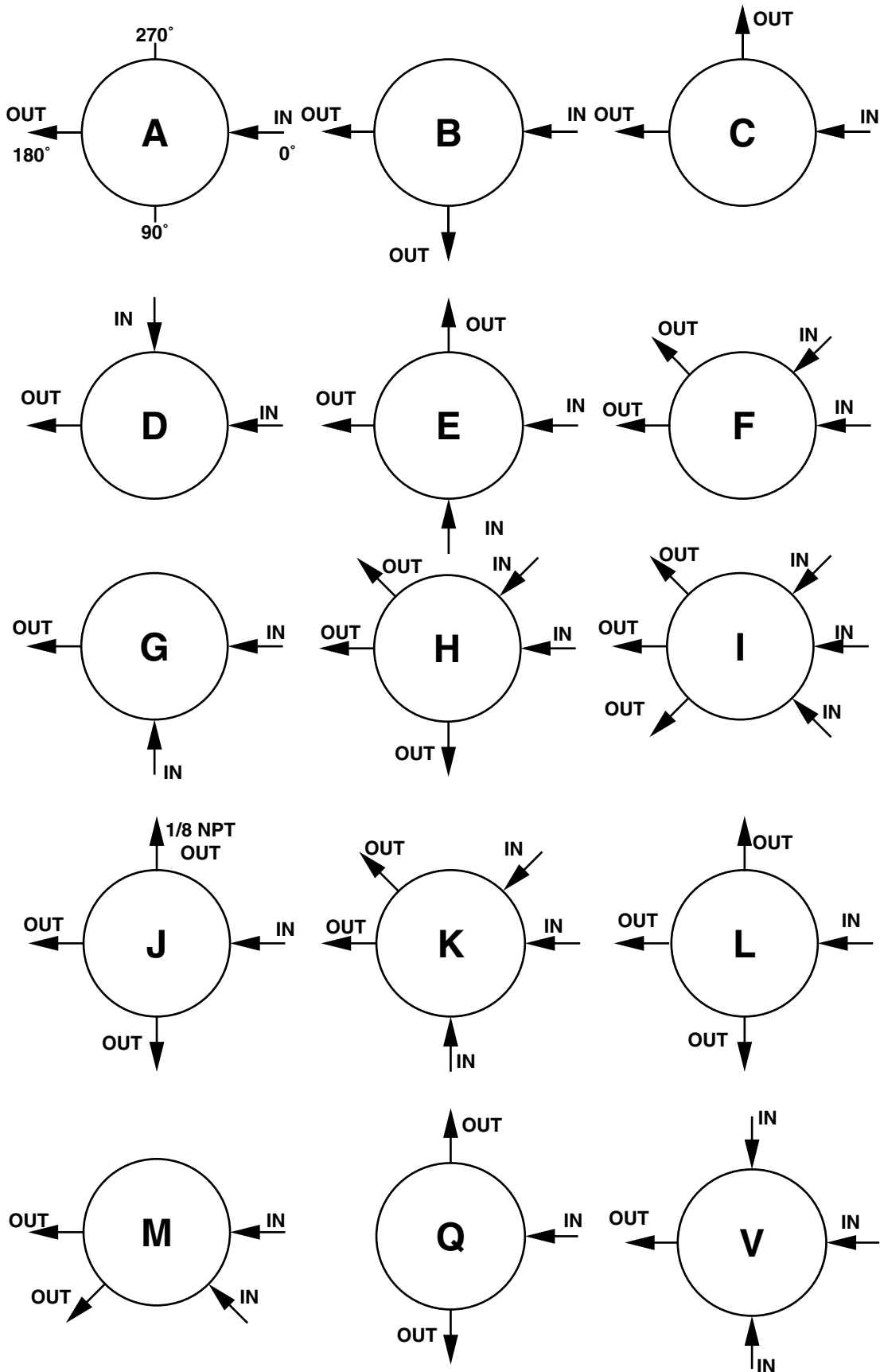


PR-57 Series - Pressure Reducing Regulator

Material of Body									
1	SS 316L								
4	Monel								
Port Configuration (see page 4)									
STANDARD BODY "A" (ONE INLET PORT AND ONE OUTLET PORT)									
A									
Process port types (gauge port type, if specified)									
1	1/4" FNPT (1/4" FNPT Gauge Ports)								
2	1/4" Tube (1/4" Tube Gauge Ports)								
4	3/8" FNPT (1/4" FNPT Gauge Ports)								
7	AN 10050-4 (1/4" FNPT Gauge Ports)								
8	SAE J514 (1/4" FNPT Gauge Ports)								
9	M/S 33649 (1/4" FNPT Gauge Ports)								
Surface Finish of Diaphragm Cavity									
1	<25 Ra								
5	<25 Ra with 10-32 Mounting Holes								
Seat Material									
C Polyimide									
Flow Coefficient (Cv)									
2	0.05								
5	0.2								
Outlet Range									
I	0 - 250 Psig								
J	0 - 500 Psig								
W	0 - 750 Psig								
K	0 - 1000 Psig								
L	0 - 2000 Psig								
N	0 - 4000 Psig								
O	0 - 6000 Psig								
P	0 - 7500 Psig								
Q	0 - 10,000 Psig								
Piston Type									
1	Non Self Relieving								
3	Self Relieving								
Piston Material									
4	SS / Teflon Cavity O-Ring								
7	Monel / Teflon Cavity O-Ring								
Cap Assembly									
1	Standard, Aluminum								
4	Panel Mount, Aluminum								
F	S.S.								

P	R	5	7	-						
Material	Port Config.	Port Style	Cavity Finish	Seat Material	Flow (Cv)	Control Range	Piston Type	Piston Material	Cap Assembly	

PORT LOCATIONS (SINGLE STAGE PRESSURE REGULATOR)



LOCATION OF PORTS FROM TOP VIEW