GO REGULATOR, INC.

BOISWOOD
GAS AND LIQUID CONTROL TECHNOLOGIES
Pressure & Vacuum
Flow
Level & Temperature
Tube & Fittings
HVACR
Custom Services

PR-58 Series

High Pressure Corrosion-resistant Regulator (15,000 psig Inlet)

To meet the demands for the safe reduction of inlet pressures up to 15,000 psig, GO Regulator has designed the PR-58 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
- Bubble-tight shutoff
- Viton® seals (other elastomers optional)
- Inlet pressure maximum 15,000
- Outlet pressure ranges are 0–10,000 and 15,000 psig
- ¼˝ FNPT standard
- Operating temperatures -40° F to +120° F (-40° C to +49° C)
- Cv flow coefficient 0.05 or 0.2
- 4x Burst up to 10,000 psig inlet pressure. 3-1/3x Burst at 15,000 psig

Options

- Gauges
- Self-relieving
- Captured vent

pressure regulators

PR-58 Series

To Order, contact your local Distributor Link below:
www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at
www.goreg.com/products/matrix/index.htm

How to Order

PR58 –

BODY MATERIAL
- **1** 316L stainless steel
- **4** MONEL®

PORT CONFIGURATION
- **A** Standard

For more port configurations, see page 35.

PROCESS PORT TYPES (GAUGE PORT TYPES, IF SPECIFIED)
- **3** ¼″ Male Gyrolok® XP (¼″ FNPT gauge ports)
- **4** ¼″ Medium Pressure Cone and Thread (¼″ FNPT gauge ports)
- **5** ⅜″ Medium Pressure Cone and Thread (¼″ FNPT gauge ports)
- **F** ¼″ FNPT (¼″ FNPT gauge ports)

SURFACE FINISH OF DIAPHRAGM CAVITY
- **1** < 25 Ra
- **5** < 25 Ra with 10-32 mounting holes

SEAT MATERIAL
- **C** Polyimide
- **Q** PEEK™

FLOW COEFFICIENT (Cv)
- **2** 0.05
- **5** 0.2

OPTIONS
- **B** EB5
- **D** Helium leak test
- **E** Pressure test certificate
- **F** Certificate of Conformity
- **G** CMTR

CAP ASSEMBLY
- **1** Standard, stainless steel
- **4** Panel mount, stainless steel
- **5** Stainless steel cap, aluminum captured vent
- **6** Stainless steel cap, aluminum captured vent, panel mount
- **7** Captured vent, stainless steel
- **C** Captured vent, panel mount, stainless steel

CAVITY/PISTON O-RING MATERIAL
- **1** PTFE cavity O-ring/Viton® piston O-ring
- **2** Viton® cavity and piston O-rings

PISTON TYPE
- **1** Non-self-relieving
- **3** Self-relieving

OUTLET RANGE
- **Q** 0–10,000 psig
- **1** 0–15,000 psig

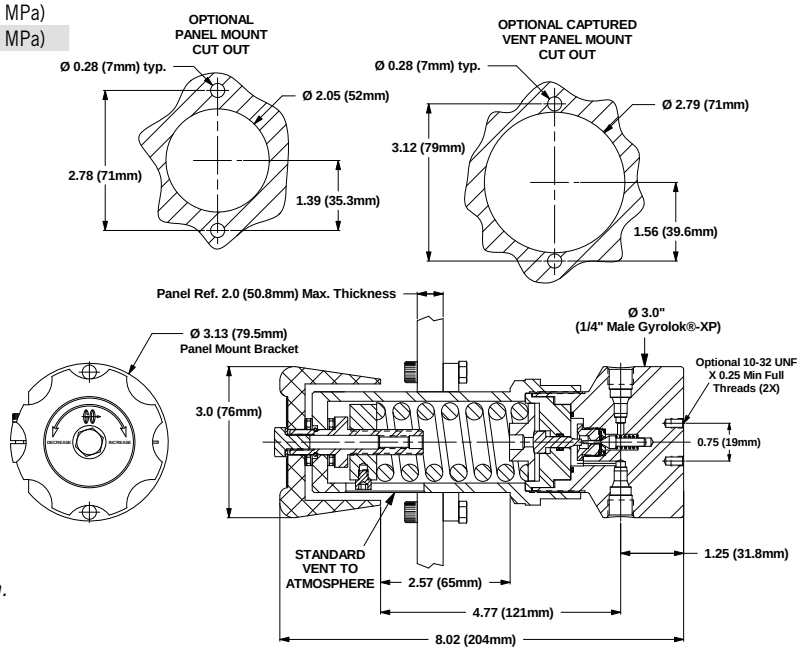
NOTE: Contact the factory for any additional requirements.

Maximum Temperature & Operating Inlet Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM OPERATING INLET PRESSURE
Polyimide	120° F (49° C)	@	15,000 psig (103.4 MPa)
PEEK™	120° F (49° C)	@	15,000 psig (103.4 MPa)

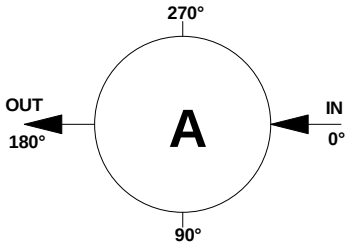
Outline and Mounting Dimensions

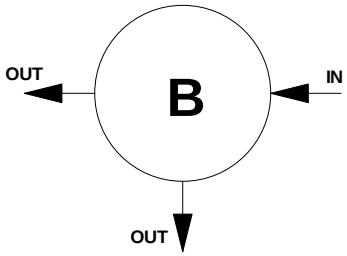
Weight = 7.3 lbs (3.31 kg)

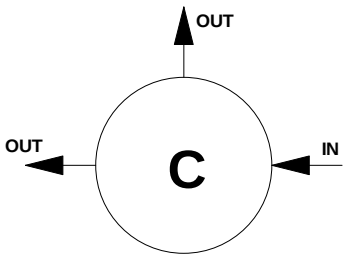


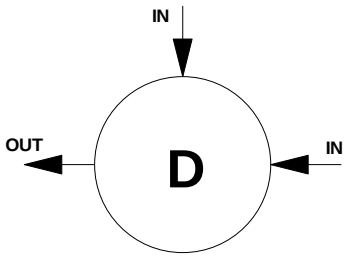
MONEL® is a registered trademark of Special Metals Corporation.
PEEK™ is a trademark of Victrex PLC.

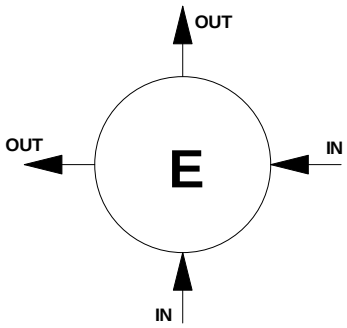
Port Locations

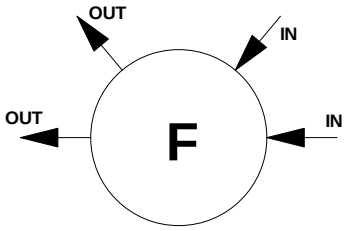


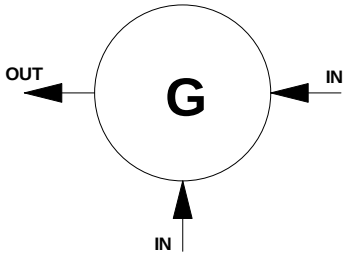


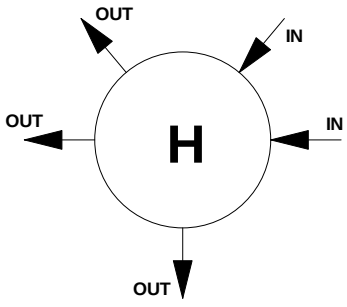


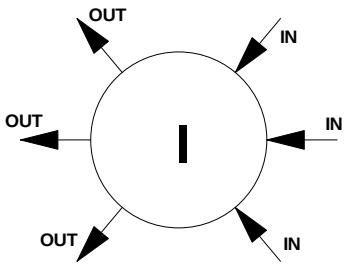


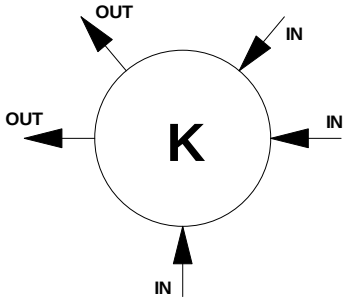


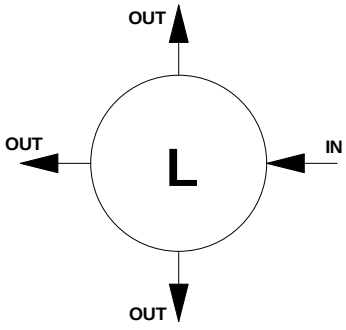


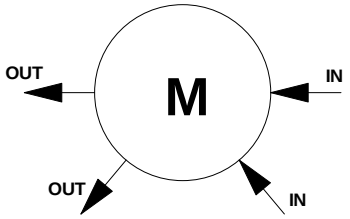


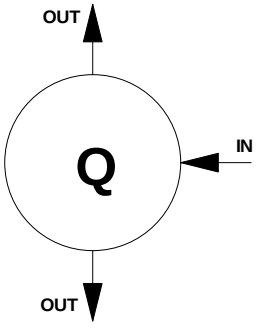


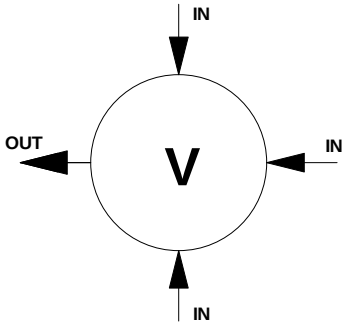












LOCATION OF PORTS FROM TOP VIEW