

GO REGULATOR, INC.

A division of CIRCOR International, Inc.



CPR-5 Series Compact Stainless Steel Pressure Regulator

The CPR-5 Series pressure control valve is designed for service at high flows with good sensitivity and regulation utilizing a small footprint. 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 CPR-1 Series which has been used for many applications in systems requiring stainless steel construction. The exact package size of the CPR-1 has been retained making it convenient for the user to interchange these units if better control at higher flows is required.

Features & Specifications

- Gas or liquid service
- 316L stainless steel construction
- Teflon®/SS diaphragm up to 250 psig
- Teflon®/Viton® diaphragm up to 50 psig
- Electro polished body with better than 25 Ra finish in diaphragm
- 40 micron inlet filter
- Bubble tight shutoff
- Outlet pressure ranges are 0–10, 0–25, 0–50, 0–100 and 0–250 psig
- C_v flow coefficient 0.2

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CPR-5 Series

Compact Stainless Steel Pressure Regulator

How to Order

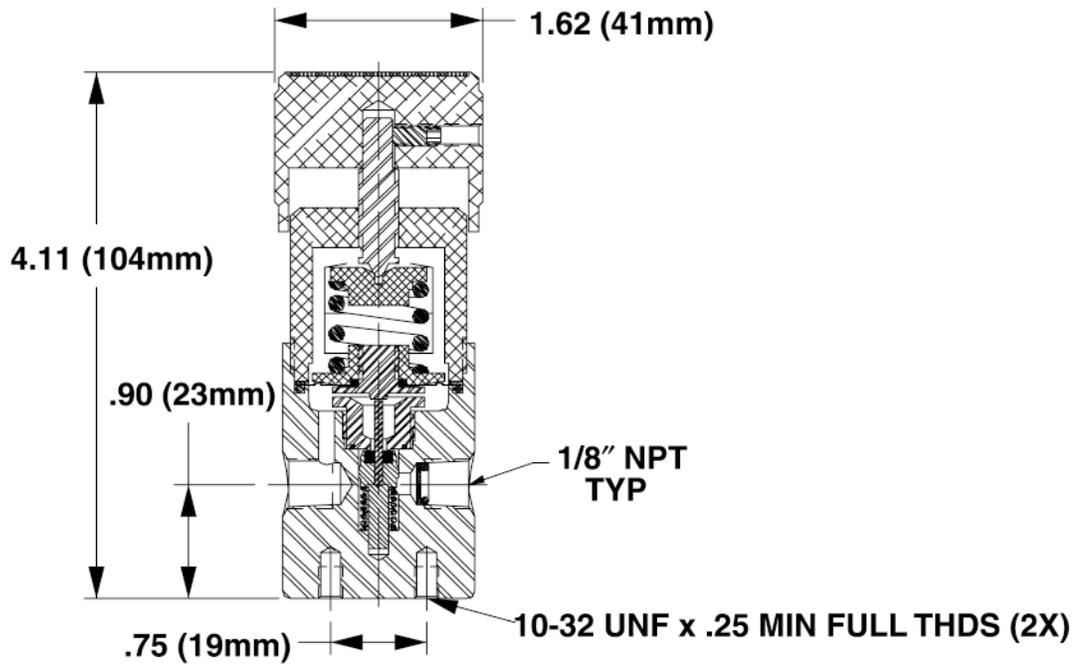
See page 3 for additional configurations. For additional configurations, consult the factory.
See page 4 for port locations.

Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature	@	Maximum Operating Inlet Pressure
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)

Viton® and Kalrez® are registered trademarks of Dupont Corporation.

Outline and Mounting Dimensions



Weight - 1.1 lbs (0.50 kg)

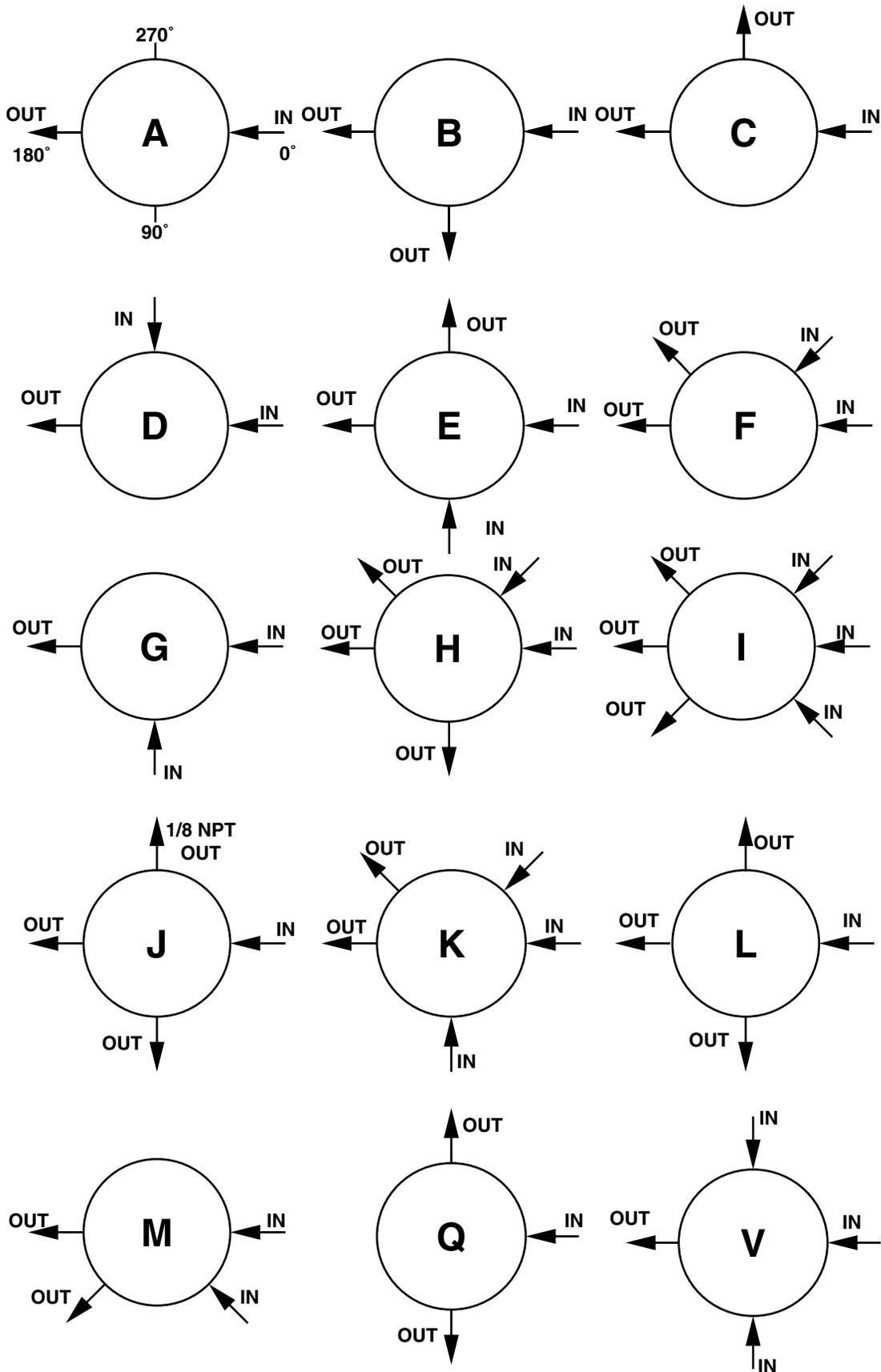
CPR-5 Series - Pressure Reducing Regulator

1		SS 316L		Material of Body	
A				Port Configuration (see page 4) STANDARD BODY "A" (ONE INLET PORT AND ONE OUTLET PORT)	
0		1/8" FNPT (1/8" FNPT Gauge Port), Standard		Process port types (gauge port type, if specified)	
2		1/4" Tube (1/4" Tube Gauge Port)			
G		6mm Tube (6mm Tube Gauge Port)			
1		<25 Ra		Surface Finish of Diaphragm Cavity	
D		Viton		Seat Material	
E		EPR			
J		Buna-N			
K		Kalrez			
5		0.2		Flow Coefficient (Cv)	
C		0 - 10 Psig		Outlet Range	
D		0 - 25 Psig			
E		0 - 50 Psig			
G		0 - 100 Psig			
I		0 - 250 Psig			
1		Standard, Nylon Dia. Slip Ring (170° F Max. Temp.)		Diaphragm Type	
2		Standard, Polyimide Dia. Slip Ring (High Temp. Service)			
1		Tefzel Seal Ring / SS Backing / Teflon O-Ring		Dia. Facing / Backing / O-Ring Material	
2		Teflon Facing / Viton Backing / Viton O-Ring			
7		Tefzel Seal Ring / SS Backing / Viton O-Ring			
1		Standard, Aluminum		Cap Assembly	
4		Panel Mount, Aluminum			
5		Captured Vent, Aluminum			
7		Captured Vent, S.S.			
8		Tamper Proof, Aluminum			
9		Fine Adjust, 1/2" Panel Mount, Aluminum			
0		Fine Adjust, 1 3/8" Panel Mount, Aluminum			

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Material	Port Config.	Port Style	Cavity Finish	Seat Material	Flow (Cv)	Control Range	Diaphragm Type	Diaphragm / O-Ring Material	Cap Assembly
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PORT LOCATIONS (SINGLE STAGE PRESSURE REGULATOR)



LOCATION OF PORTS FROM TOP VIEW