GOREGULATOR

SPR Series

Subatmospheric Pressure Regulator



The SPR Series Subatmospheric Pressure Regulator is designed for the introduction of a low vapor pressure reactive or purge gas into a subatmospheric process The large diameter diaphragm provides optimum sensitivity for subatmospheric or positive pressure control.

Standard features allow service in many varied applications including corrosive fluids and, with the optional features available, the user can tailor this regulator to applications ranging from semiconductor processing to analytical instrumentation.

Features & Specifications

- Subatmospheric or positive pressure control
- 20 micron inlet filter
- 316L stainless steel or brass construction
- Large stainless steel diaphragm with Teflon® lining for optimal pressure control
- Inlet pressure range from 15–160 psia (0–145 psig)
- Adjustable outlet pressure range of 1–30 psia (27.88 in. $H_2O = 15.3$ psig)
- Cv flow coefficient of 0.2
- Bubble-tight shutoff
- Operating temperatures -40° F to +250° F (-40° C to +121° C)
- Inlet/outlet connections ¼" FNPT

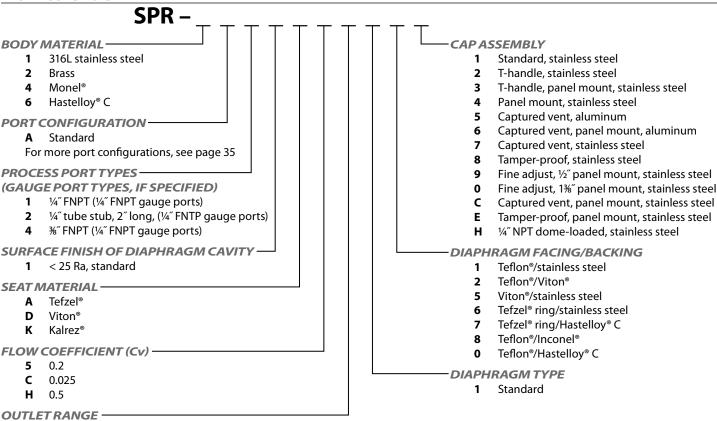
Options

- High purity welded connections
- · Class 100 assembly
- · Extra ports
- Panel mount (requires 1¾" mounting hole)
- Pressure gauges

GO Regulator

SPR Series

How to Order



Maximum Temperature & **Operating Inlet Pressures**

A 0-30 psia

| SEAT MATERIAL | MAXIMUM TEMPERATURE* | @ | MAXIMUM OPERATING INLET PRESSURE |
|---------------|-------------------------|---|----------------------------------|
| Tefzel® | 150° F (66° C) | @ | 145 psig (1000 kPa) |
| Viton® | 250° F (121° C) | @ | 145 psig (1000 kPa) |
| Kalrez® | 250° F (121° C) | @ | 145 psig (1000 kPa) |

Temperatures in excess of 175° F (80° C) require a metal knob or the tamper-proof option.

Outline and Mounting Dimensions

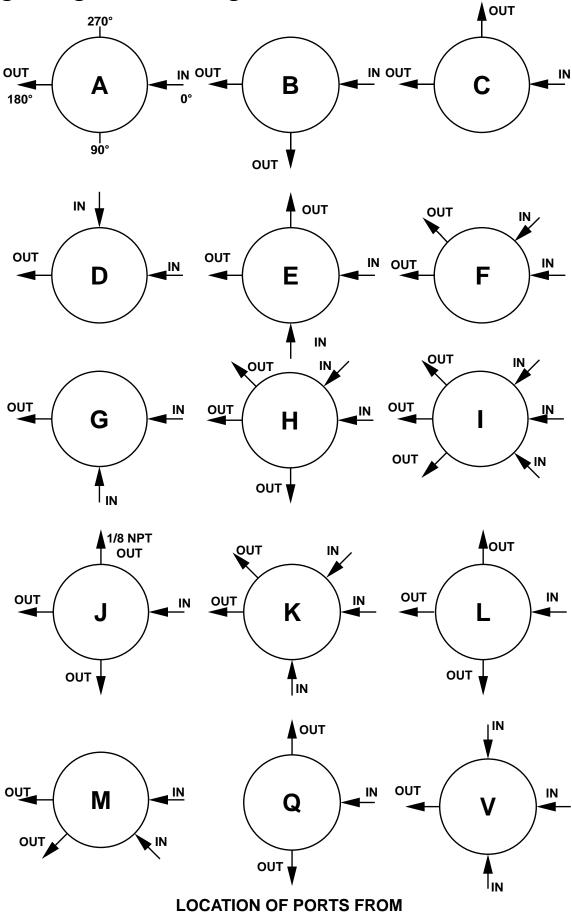
contact the factory.

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

Weight = 3.2 lbs (1.45kg)-2.1 (53mm) 4.81 (122mm) Ø 3.00 (76mm) 0.75 (19mm) 0.75 (19mm)-10-32 UNF × 0.25 Min. Full Thds. (2x)

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Porting Configurations for Single Stage Pressure Regulators



TOP VIEW