

# **GO**REGULATOR UPR-1 Precision Pressure Regulator

The Model UPR-1 is the High Purity version of the GO Regulator PR-1 whose design and performance reliability has been proven in over 30 years of field use. The UPR-1 design features include internal components with standard surface finishes better than 25 Ra. This feature provides the Semiconductor end-user with a precision pressure regulator, economically priced for applications ranging from gas distribution to point of use in the manufacturing tool.

### **Features & Specifications**

- 25 Ra Internal Surface Finish, Std.
- C<sub>v</sub> Flow .025, .06, 0.2, and 0.5
- 316L SS Body, Cap, Internals
- Male, Female or Internally Machined VCR Compatible Ports
- 1 x 10<sup>-9</sup> atm cc/sec, Inboard Leak Spec

#### **Applications**

#### Options

- Bulk Inert Gas Distribution
  Wetted Materials for Corrosive Service Hastelloy
- Epitaxial Reactors
- Specialty Gas Distribution
- Manufacturing Tool

405 Centura Court PO Box 4866 Spartanburg, SC 29303 tel 864.574.7966 fax 864.587.5608 www.goreg.com sales@goreg.com

## UPR-1 Precision Pressure Regulator

#### How to Order

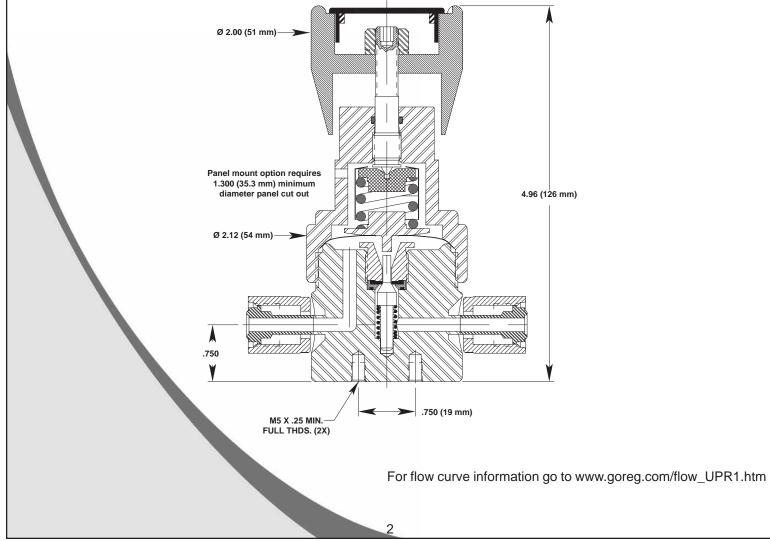
See page 7 for standard configurations. For additional configurations consult the factory. See page 10 for port locations.

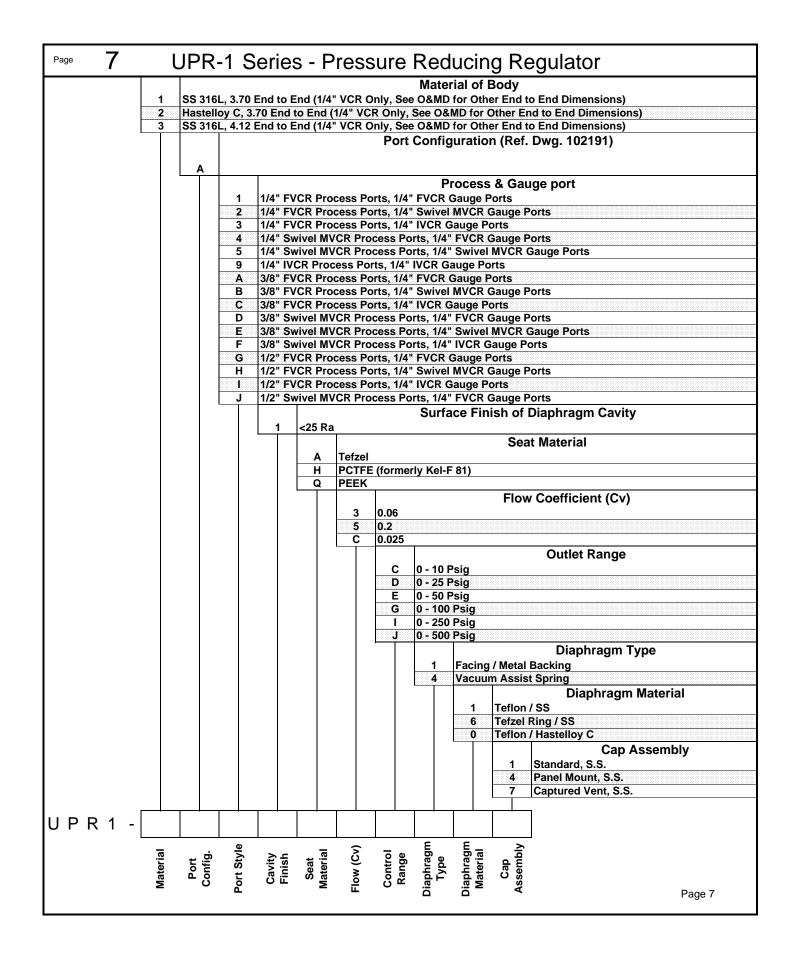
Seat Material	Maximum Temperature*	@	Maximum Operating Inlet Pressure
Tefzel®	150° F (66° C)	@	3600 pisG (24.82 MPa)
High Density Teflon®	150° F (66° C)	@	3600 psiG (24.82 MPa)
PCTFE (formerly Kel-F 81)	175° F (80° C)	@	6000 psiG (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psiG (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psiG (24.82 MPa)
	175° F (80° C)	@	6000 psiG (41.37 MPa)

## **Maximum Temperature & Operating Inlet Pressures**

\*Temperatures in excess of 175° F (80° C) require the use of a metal knob or the tamper proof option. Tefzel® and Teflon® are registered trademarks of Dupont.

## **Outline and Mounting Dimensions**





## PORT LOCATIONS (PRECISION PRESSURE REGULATOR)

