

### Pressure & Vacuum

Flow Level & Temperatur Tube & Fittings

Custom Services

## **CBP-3 Series**

Compact Stainless Steel Back Pressure Regulators

### **Introduction**

The CBP-3 Series is a compact back pressure regulator with some of the time proven features of the BP-3 Series and new features evolving the compact size. This regulator is designed to allow the construction of compact sophisticated analytical instrumentation where the optimum in back pressure control is required. Standard features allow service in many varied applications including corrosive fluids and with the optional features available, the user can tailor this regulator to virtually any application requiring small to moderate flow rates.



### **Typical Applications**

- Analytical instrumentation
- · Gas and liquid sampling
- Petrochemical industry
- Air compressors
- Research labs
- Pilot plants

### **Technical Data**

CONSTRUCTION	316L stainless steel		
ADJUSTABLE STANDARD PRESSURE RANGES	0–10, 0–25, 0–50, 0–100, 0–250 & 0–500 psig		
OPERATINGTEMPERATURE	-40° F to +500° F (-40° C to +260° C)		
C <sub>V</sub> COEFFICIENT	0.2 (standard) 0.005, 0.01, 0.025, 0.03, 0.04, 0.05, 0.06, 0.095, 0.12, 0.24, 0.3 (optional)		
INLET & OUTLET CONNECTIONS	⅓″ FNPT		

### **Features & Benefits**

- Gas or liquid service
- Bubble tight shutoff
- · Compact size
- Tefzel® or Kalrez® in flow stream

#### **Options**

- Panel mount (requires a 1¾" mounting hole)
- Extra ports
- · Special welded connections
- Pressure gauges

### **GO Regulator**

405 Centura Court • PO Box 4866 (29305) • Spartanburg, SC 29303 Phone (864) 574-7966 Fax (864) 574-5608 www.goreg.com • sales@goreg.com

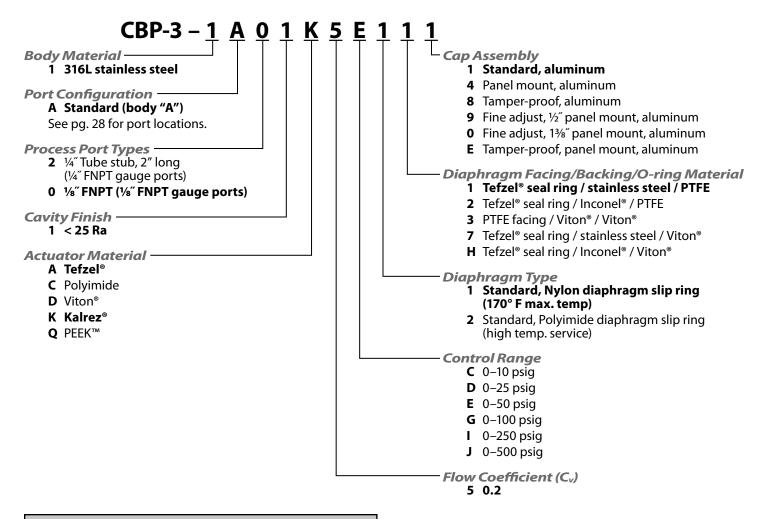
### **Compact Stainless Steel Back Pressure Regulators**

Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Kalrez®	300° F (148° C)	@	250 psig (1.72 MPa)
Tefzel®	175° F (80° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° C)	@	500 psig (3.44 MPa)

### **How to Order**

For additional configurations, consult the factory. Standard items in bold.

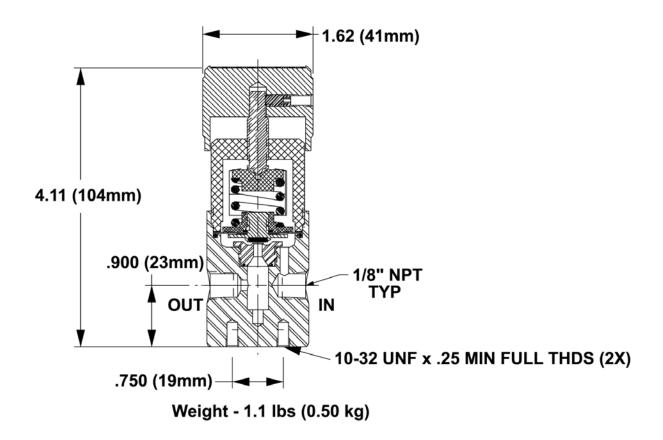


NOTE: The choices above represent an abbreviated list of the more commonly ordered options. For a complete listing of all available options, please see the Selection Wizard on the GO website at www.goreg.com or contact the factory.

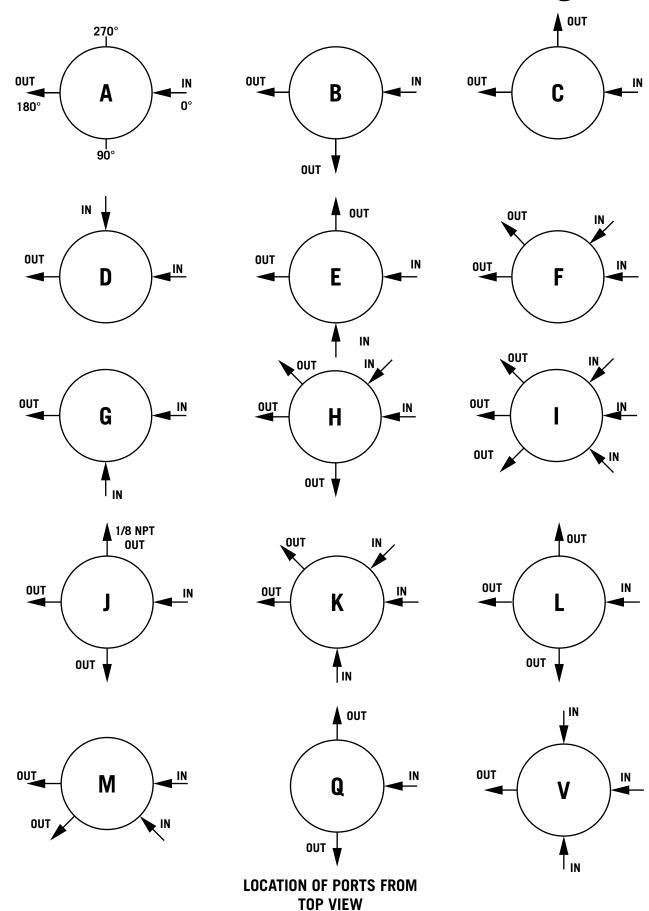
For flow curve charts, visit http://www.goreg.com.

## **Compact Stainless Steel Back Pressure Regulators**

### **Outline and Mounting Dimensions**



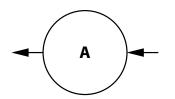
# **Port Locations (Back Pressure Regulators)**

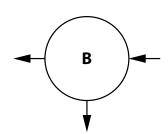


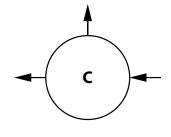
# Porting Options for LB-1 Back Pressure Valve

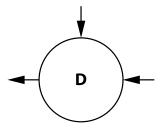
Arrow pointing toward body is inlet, arrow pointing away from body is outlet.

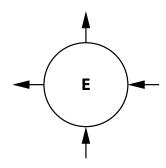
### **LOCATION OF PORTS FROM TOP VIEW**

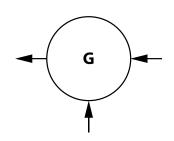


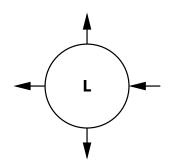


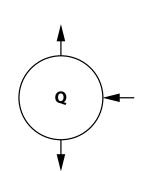


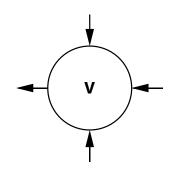






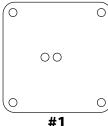






### **SURFACE MOUNT STYLES**

requires "Surface Mount" port type connections



Center port is outlet, all other ports are inlets. Location of ports from bottom view