

# **BP-60 Series**

**High Pressure Back Pressure Regulators** 

# Introduction

The BP-60 Series is the counterpart of the PR-50 pressure reducing series for systems that are higher in pressure and low to moderate flows. This regulator has a diaphragm for maximum sensitivity in providing relief at high pressures. The PTFE stainless seat assembly provides good shutoff in most applications. For economy purposes the cap assembly and knob are of aluminum construction as in the PR-50 companion unit. Good sensitivity and a wide selection of control ranges make this regulator an excellent selection in many research and pilot plant facilities.



# pressure

# Typical Applications

- Sampling Systems
- Pilot plants
- Research labs

### **Technical Data**

CONSTRUCTION	316L stainless steel or brass (alloy 360) Monel® and Hastelloy® C-276 (optional)
ADJUSTABLE PRESSURE CONTROL RANGES	0-500, 0-1000 and 0-2000 psig
OPERATINGTEMPERATURE	-40° F to +350° F (-40° C to +175° C)
C <sub>V</sub> COEFFICIENT	0.04
INLET/OUTLET CONNECTIONS	1/4" FNPT

## **Features & Benefits**

- Designed for moderate flow applications
- Diaphragm sensing with nylon, PTFE or stainless steel diaphragm
- Bubble tight shutoff

## **Options**

- Various Cv's available 0.005, 0.01, 0.025, 0.09
- Panel mounting
- ¾" FNPT, AN 10050-4, SAE J514 or MS 33649 connections

### **GO Regulator**

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# **High Pressure Back Pressure Regulators**

# **Maximum Temperature and Control Pressures**

# **Nylon Diaphragm Backing**

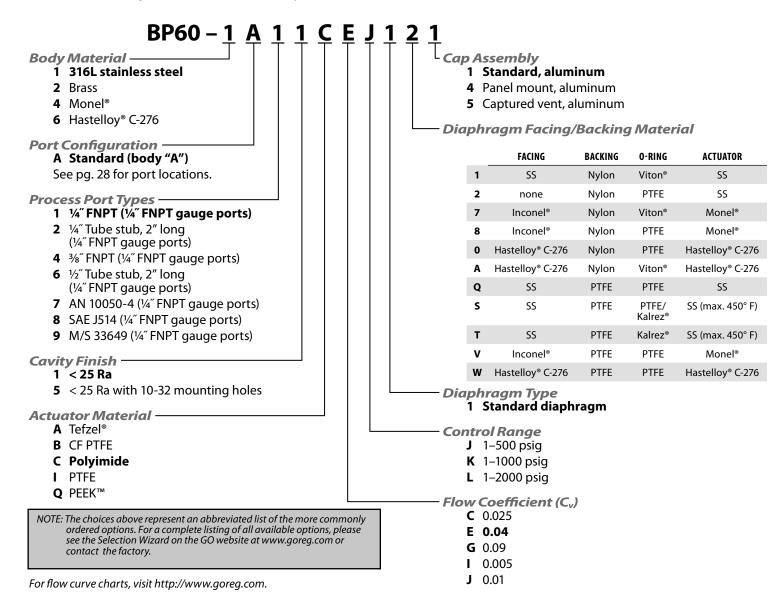
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Tefzel®	175° F (80° C)	@	1000 psig (6.89 MPa)
PTFE	175° F (80° C)	@	1000 psig (6.89 MPa)
Polyimide	175° F (80° C)	@	2000 psig (13.76 MPa)
PEEK™	175° F (80° C)	@	2000 psig (13.76 MPa)

### **PTFE Diaphragm Backing**

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Tefzel®	175° F (80° C)	@	2000 psig (13.76 MPa)
PTFE	175° F (80° C)	@	2000 psig (13.76 MPa)
Polyimide	350° F (176° C)	@	2000 psig (13.76 MPa)
PEEK™	350° F (176° C)	@	2000 psig (13.76 MPa)

# **How to Order**

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



# **High Pressure Back Pressure Regulators**

# **Outline and Mounting Dimensions**

