

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 Teflon® 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.



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				
OPERATING TEMPERATURE	-40° F to +350° F (-40° C to +175° C)				
C _V COEFFICIENT	0.04				
INLET/OUTLET CONNECTIONS	¼" FNPT				

Features & Benefits

- Designed for moderate flow applications
- Diaphragm sensing with nylon, Teflon[®] 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	Dia	nhragm	Backing	
TAX TOT	Dia	pinagin	Dacking	

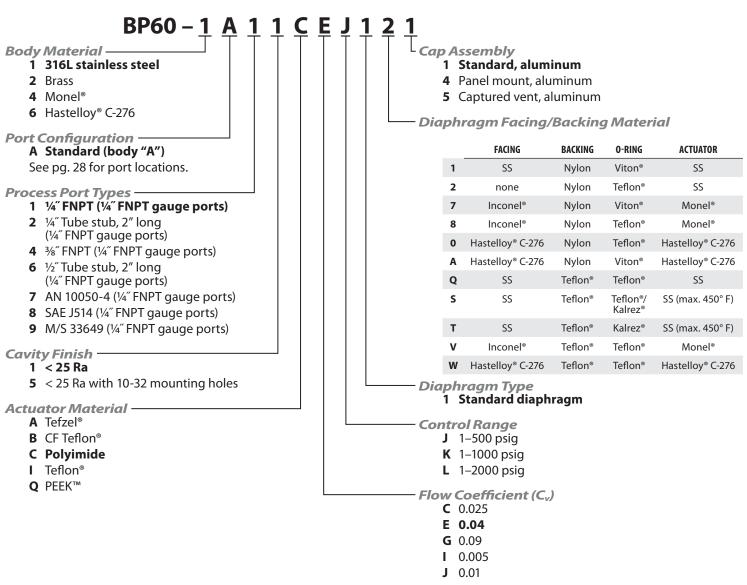
	SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE		
	Tefzel®	175° F (80° C)	@	1000 psig (6.89 MPa)		
	Teflon®	175° F (80° C)	@	1000 psig (6.89 MPa)		
	Polyimide	175° F (80° C)	@	2000 psig (13.76 MPa)		
	PEEK™	175° F (80° C)	@	2000 psig (13.76 MPa)		

Teflon® Diaphragm Backing

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Tefzel®	175° F (80° C)	@	2000 psig (13.76 MPa)
Teflon®	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.



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Outline and Mounting Dimensions

