

BP-66 Series

High Pressure Back Pressure Regulators (10,000 psig)

Introduction

The BP-66 Series is the counterpart of the PR-57 pressure reducing series for systems that are higher in pressure and low to moderate flows. This regulator has piston sensing to provide relief at high pressures. The Polyimide/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-57 companion unit. Good sensitivity and a selection of control ranges make this regulator an excellent selection in many research and pilot plant facilities.



Typical Applications

- Pilot plants
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel (standard) Monel® and titanium (optional)
ADJUSTABLE PRESSURE CONTROL RANGES	0–2000, 0–4000, 0–6000, 0–7500 and 0–10,000 psig
OPERATING TEMPERATURE	–40° F to +350° F (–40° C to +177° C)
C_v COEFFICIENT	0.04 (standard) 0.01 and 0.12 (optional)
INLET/OUTLET CONNECTIONS	¼" FNPT (standard) AN 10050-4, SAE J514, MS 33649, or ⅜" FNPT (optional)

Features & Benefits

- Spring-loaded piston sensor
- Gas and liquid service
- Viton® seals (other elastomers optional)

Options:

- Panel mounting
- Monel® and titanium body construction
- C_v of 0.01 or 0.12
- AN 10050-4, SAE J514, MS 33649 or ⅜" FNPT connections

GO Regulator

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pressure regulators

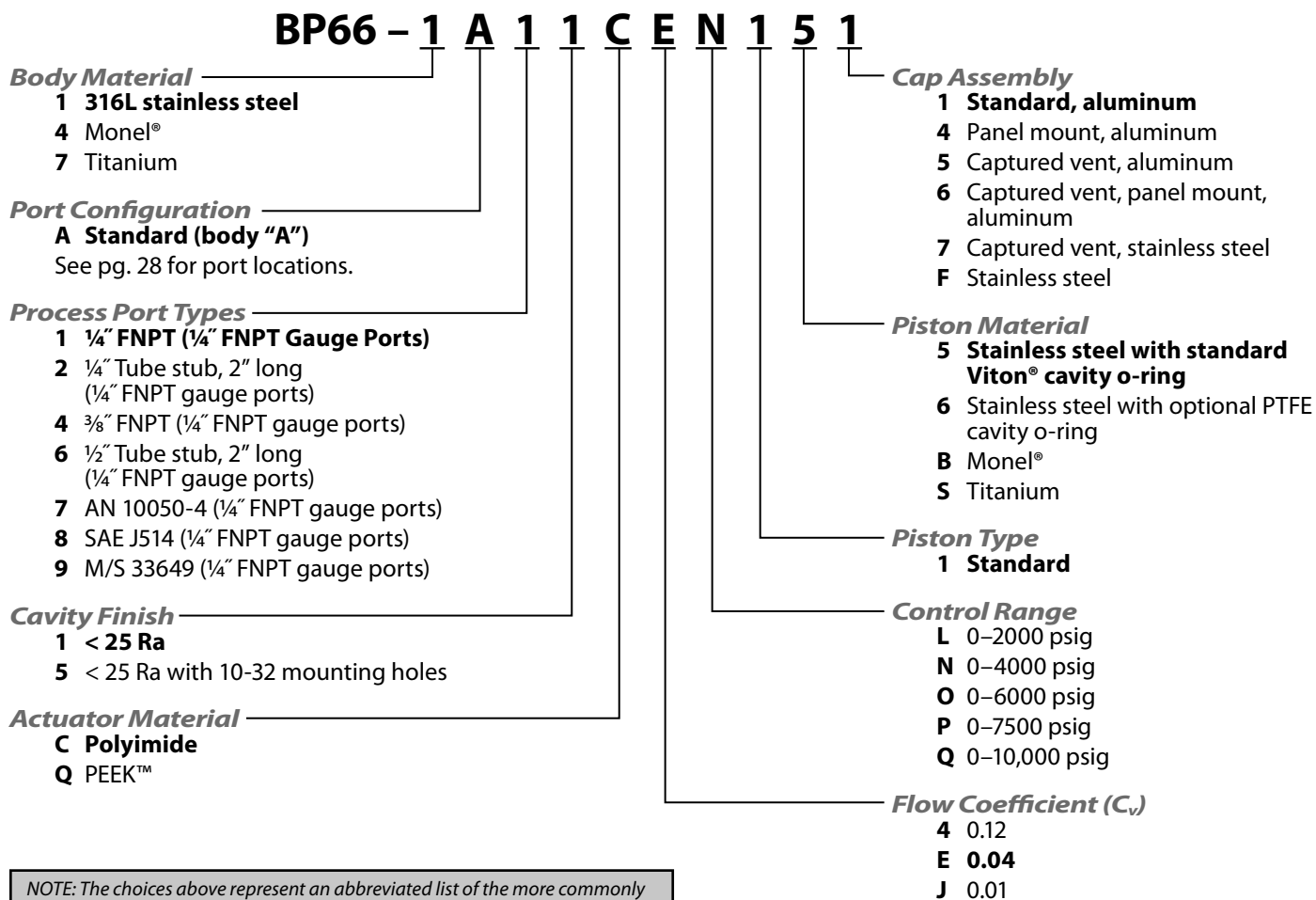
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Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Polyimide	350° F (177° C)	@	10,000 psig (68.8 MPa)
PEEK™	350° F (177° C)	@	10,000 psig (68.8 MPa)

How to Order

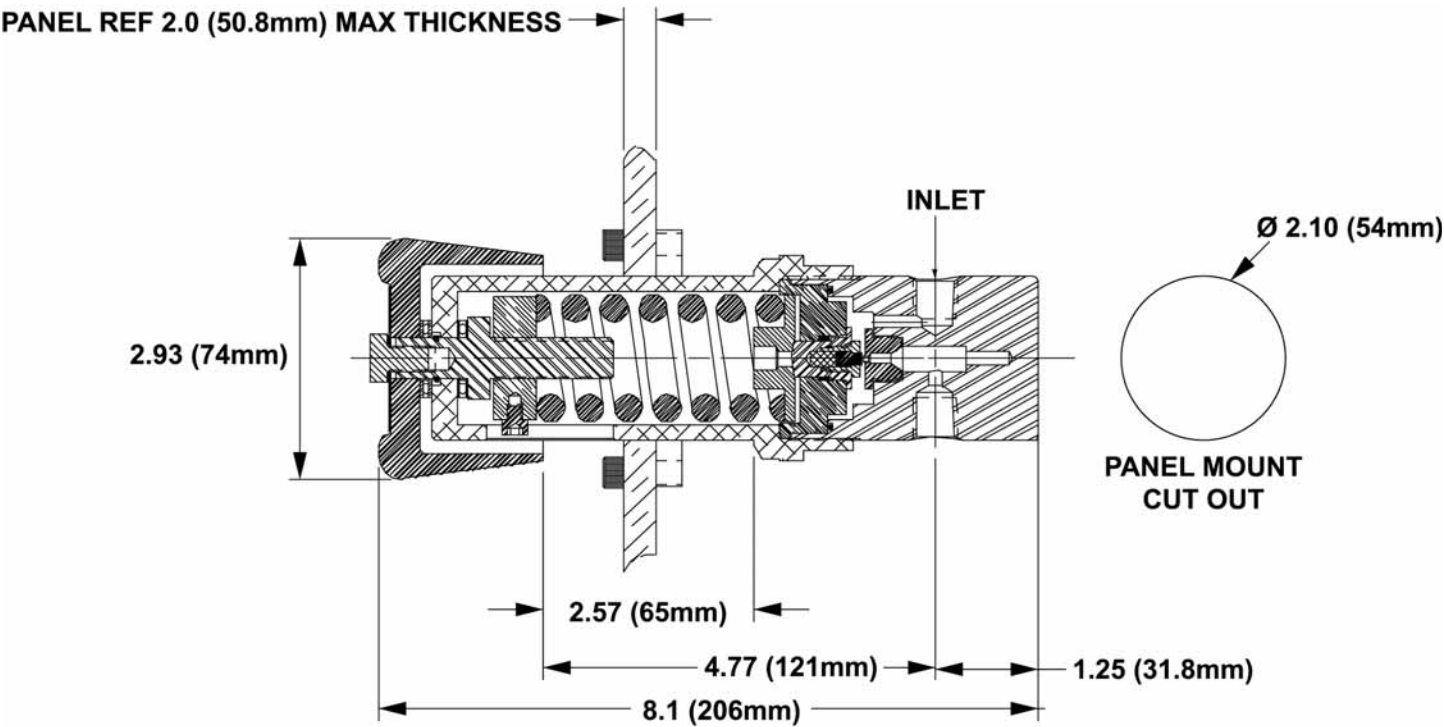
For additional configurations, consult the factory. **Standard items in bold.**



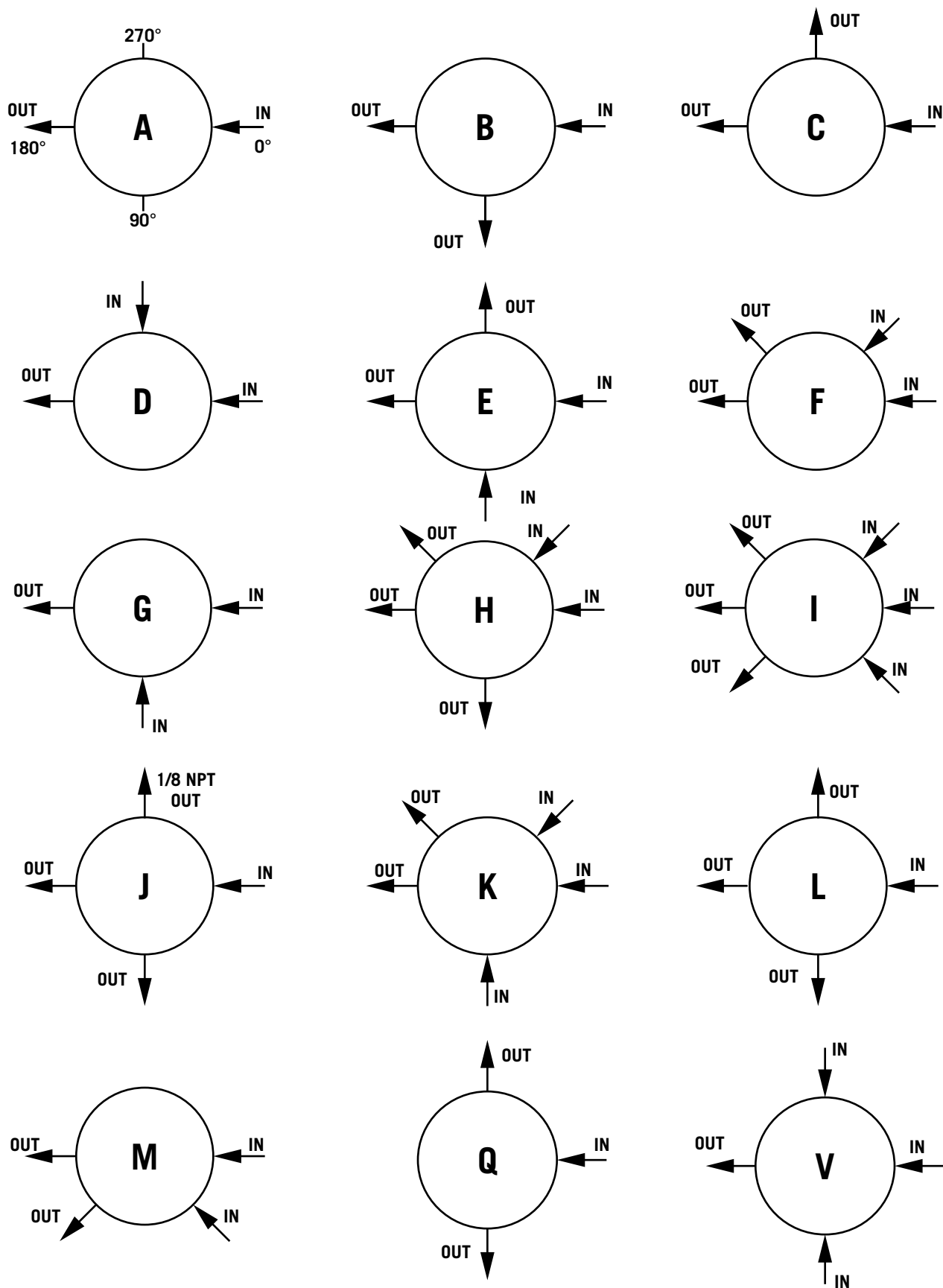
For flow curve charts, visit <http://www.goreg.com>.

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Outline and Mounting Dimensions



Port Locations (Back Pressure Regulators)

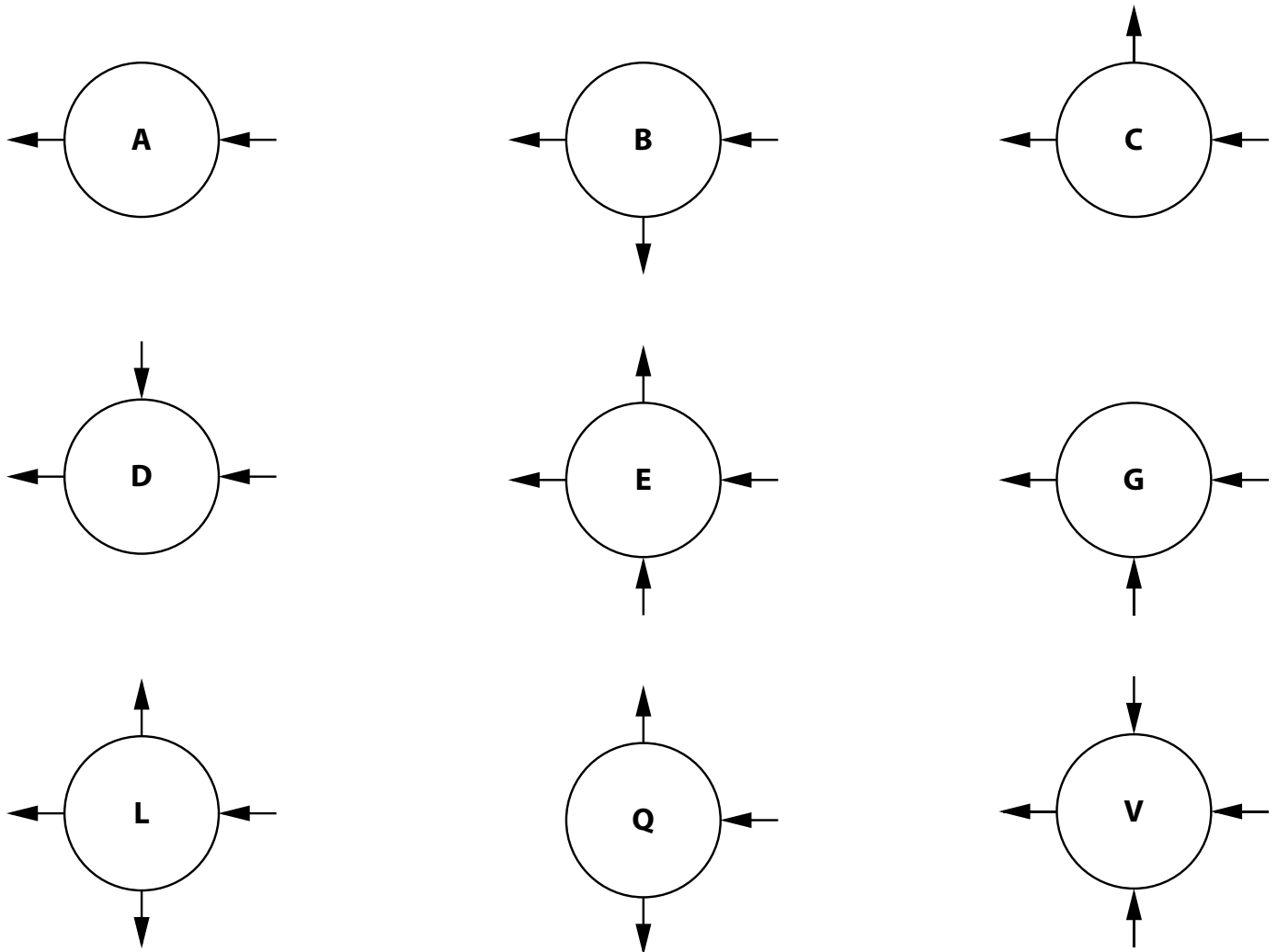


LOCATION OF PORTS FROM
TOP VIEW

Porting Options for LB-1 Back Pressure Valve

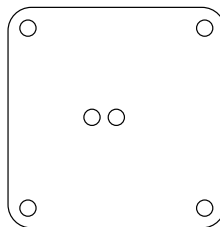
Arrow pointing toward body is inlet, arrow pointing away from body is outlet.

LOCATION OF PORTS FROM TOP VIEW



SURFACE MOUNT STYLES

requires "Surface Mount" port type connections



#1

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