# **GO**<sub>REGULATOR</sub>, INC.

# **BP-6 Series**

High Flow Back Pressure Regulator

## **Introduction**

The BP-6 Series was originally designed as a back pressure regulator for reverse osmosis water purification systems. It may also be easily used in pilot facilities and large instrumentation systems. The standard 316 stainless seat assembly, which was intended for long term usage in sea water, can also be useful in various chemical environments. While the stainless seat assembly does not offer tight shutoff, it is not normally required in high flow systems. If a more positive shutoff is required a PTFE/stainless seal assembly is available.

The BP-6 Series is normally provided in 316 stainless construction but other materials are available.



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#### Typical Applications

- Pilot plants
- Large instrumentation systems
- Reverse osmosis water purification systems

#### **Technical Data**

Tooliniour Butu			
CONSTRUCTION	316L stainless steel (standard), Monel®, Hastelloy® C-276, or titanium (optional)		
ADJUSTABLE STANDARD Pressure Ranges	0–100, 0–250, 0–500 and 0–1000 psig		
OPERATING Temperature	-40° F to +500° F (-40° C to +260° C)		
Cv COEFFICIENT	3.0		
INLET & OUTLET Connections	1⁄2″ FNPT		

#### Features & Benefits

- Gas or liquid service
- Sensing with PTFE lined stainless diaphragm
- Metal to metal seat

#### **Options**

- Soft seat for bubble tight shutoff
- Panel mounting
- Extra ports
- Special welded connections
- Pressure gauges

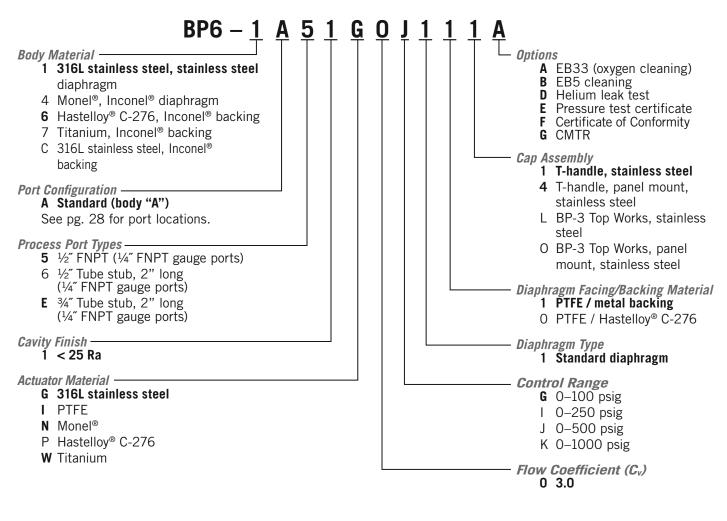
# **High Flow Back Pressure Regulators**

## Maximum Temperature and Control Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE	
PTFE	200° F (93° C)	@	1000 psig (6.88 MPa))	
316L stainless steel	500° F (260° C)	@	1000 psig (6.88 MPa)	
Monel®	500° F (260° C)	@	1000 psig (6.88 MPa)	
Hastelloy <sup>®</sup> C-276	500° F (260° C)	@	1000 psig (6.88 MPa)	
Titanium	500° F (260° C)	@	1000 psig (6.88 MPa)	
To Order, contact your local Distributor	Link below: Verify that your ch	Verify that your chosen part number is valid using the GO Wizards at		
www.goreg.com/distributor/index	<u>c.htm</u> www.ş	www.goreg.com/products/matrix/index.htm		

#### How to Order

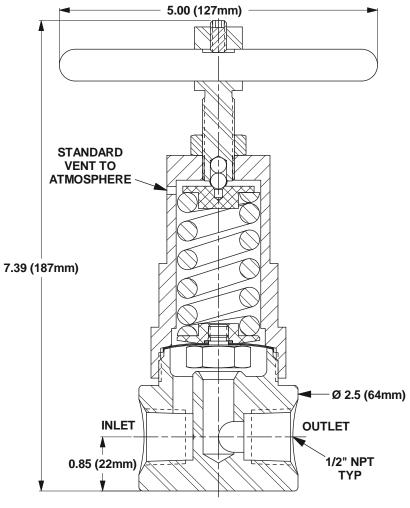
For additional configurations, consult the factory. Standard items in bold.



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.

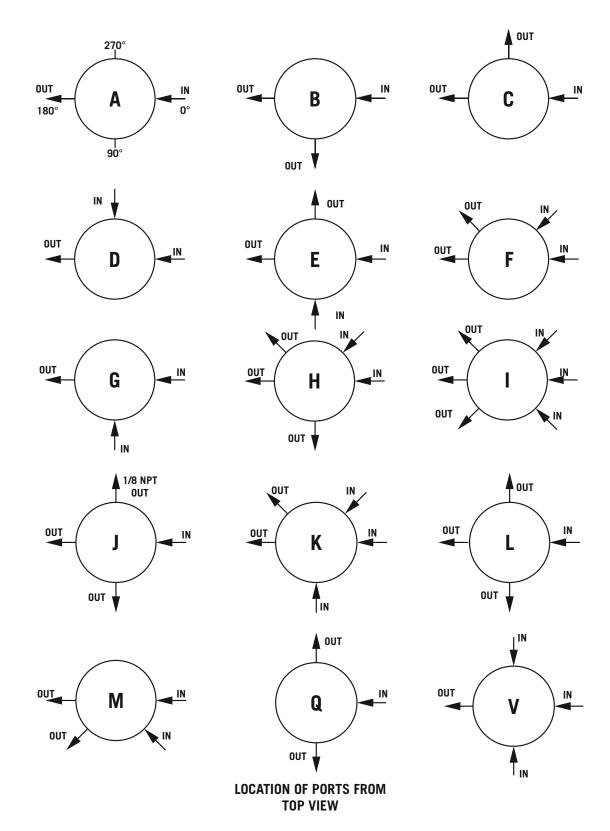
# **High Flow Back Pressure Regulators**

# **Outline and Mounting Dimensions**



Weight - 4.3 lbs (1.95 kg)

# **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

