

Back Pressure Regulators

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For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. When selecting products, the total system design must be considered to ensure safe, trouble-free performance. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

Contact your authorized GO Regulator sales and service representative for information about additional sizes and special alloys.

SAFETY WARNING:

GO Regulator products are designed for installation only by professional suitably qualified licensed system installers experienced in the applications and environments for which the products are intended. These products are intended for integration into a system. Where these products are to be used with flammable or hazardous media, precautions must be taken by the system designer and installer to ensure the safety of persons and property. Flammable or hazardous media pose risks associated with fire or explosion, as well as burning, poisoning or other injury or death to persons and/or destruction of property. The system designer and installer must provide for the capture and control of such substances from any vents in the product(s). The system installer must not permit any leakage or uncontrolled escape of hazardous or flammable substances. The system operator must be trained to follow appropriate precautions and must inspect and maintain the system and its components including the product(s) and at regular intervals in accordance with timescales recommended by the supplier to prevent unacceptable wear or failure.

GO REGULATOR, INC.

BP-3 Series

Adjustable Back Pressure Regulators

Introduction

The BP-3 Series is designed for either liquid or gas service in instrumentation systems. Similar in design to pressure reducing control regulators which regulate outlet pressures, back pressure regulators control the inlet pressure. The many features of this regulator, particularly its precise throttling action, make it ideal for this type of application. In low flow or closed systems, over-pressures often are released by pressure relief valves. This type of relief is on-off with no throttling control. In contrast to relief valves. the back pressure control regulator with its throttling action substantially improves system pressure regulation.



Typical Applications

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

Technical Data

CONSTRUCTION	316L stainless steel
ADJUSTABLE PRESSURE CONTROL RANGES	0-6, 0-10, 0-25, 0-50, 0-100, 0-250, 0-500, 0-750 & 0-1000 psig
OPERATING TEMPERATURE	-40° F to +500° F (-40° C to +260° C)
C _V COEFFICIENT	0.2
OPTIONAL VARIOUS ORIFICE SIZES	0.005, 0.01, 0.025, 0.03, 0.04, 0.05, 0.06, 0.095, 0.12, 0.24, and 0.3

Features & Benefits

- Only 316L stainless steel and PTFE in flow stream
- Bubble tight shutoff
- Gas or liquid service

Options

- Wetted materials of construction brass, Monel®, Hastelloy® C-276, titanium
- Extra ports
- Panel mount (requires a 13/8" mounting hole)
- High purity connections
- Pressure gauges

Adjustable Back Pressure Regulators

Maximum Temperature and Control Pressures

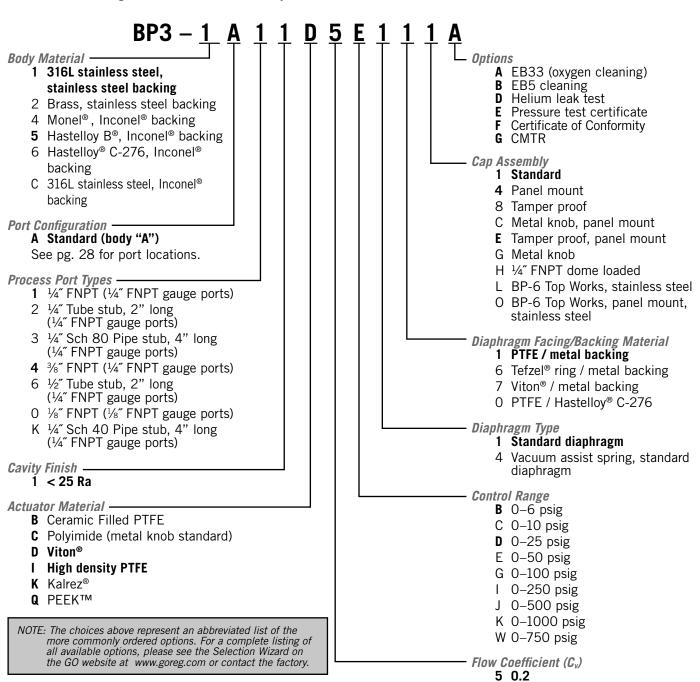
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Kalrez [®]	300° F (148° C)	@	250 psig (1.72 MPa)
High Density PTFE	200° F (93° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° C)	@	1000 psig (6.88 MPa)
PEEK™	500° F (260° C)	@	1000 psig (6.88 MPa)
Ceramic Filled PTFE	300° F (148° C)	@	500 psig (3.44 MPa)

Note: Temperatures in excess of 175° F (79° C) require the use of a metal knob or the tamper proof option.

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

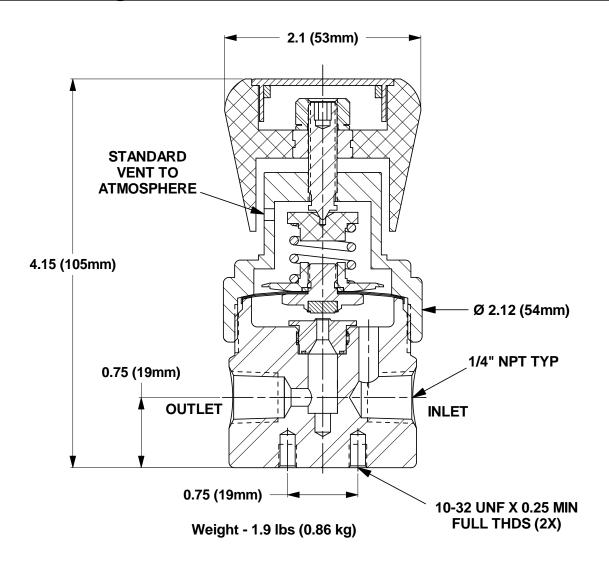
How to Order

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



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

Adjustable Back Pressure Regulators



GO REGULATOR, 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.



Typical Applications

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

Technical Data

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	½″ 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

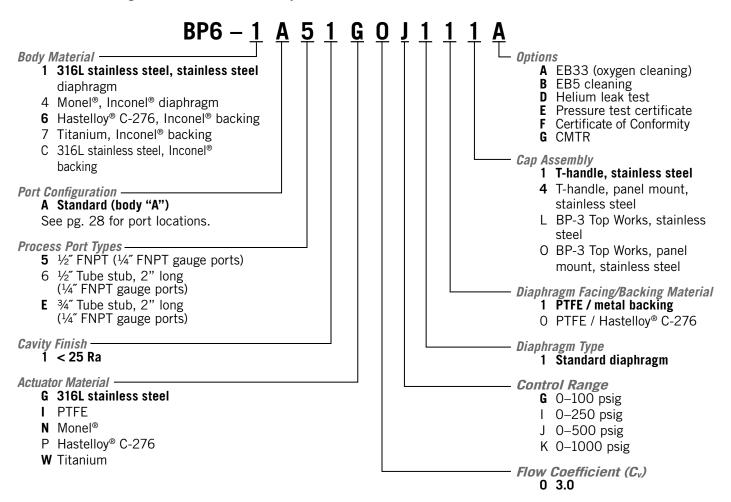
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
PTFE	200° F (93° C)	@	1000 psig (6.88 MPa))
316L stainless steel	500° F (260° C)	@	1000 psig (6.88 MPa)
Monel®	500° F (260° C)	@	1000 psig (6.88 MPa)
Hastelloy® C-276	500° F (260° C)	@	1000 psig (6.88 MPa)
Titanium	500° F (260° C)	@	1000 psig (6.88 MPa)

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

How to Order

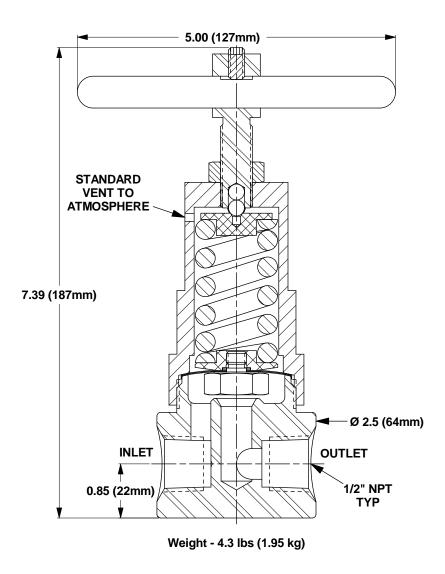
For additional configurations, consult the factory. Standard items in bold.



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.

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

High Flow Back Pressure Regulators



GO REGULATOR, INC. **BP-8 Series**

High Flow Back Pressure Regulators

Introduction

This series is designed to control back pressure at low to moderate pressure ranges with relatively high flow. While designed primarily for instrumentation systems and similar to the PR-7, the BP-8 is also suitable for pilot plant, research and development activities. Special diaphragm and spring combinations give the user a selection of pressure ranges that are near atmospheric. The glass filled PTFE / stainless seat assembly gives tight shut off even at lower flows for most applications.

The 316 stainless steel body assembly provides service for most chemical environments and brass models are available for those applications not requiring that type of corrosion resistance. If special requirements demand other materials of construction, please contact the factory.



Typical Applications

- Instrumentation systems
- Pilot plants
- Air compressors

Technical Data

CONSTRUCTION	316L stainless steel or brass (standard) Monel® or Hastelloy® C-276 (optional)
ADJUSTABLE STANDARD PRESSURE RANGES	0-10, 0-25, 0-50, 0-100, 0-250, and 0-500 psig
OPERATING TEMPERATURE	-40° F to +250° F (-40° C to +121° C)
C _V COEFFICIENT	1.2 (standard) 0.40 and 0.70 (optional)
INLET & OUTLET CONNECTIONS	1/4" FNPT

Features & Benefits

- Pressure control of large flows
- Standard stainless steel diaphragm, PTFE faced

Options

- Panel mounting
- Extra ports
- 3/8" FNPT, 1/2" FNPT, 1/4" tube weld, 1/4" pipe weld, ½" tube weld

High Flow Back Pressure Regulators

Maximum Temperature and Control Pressures

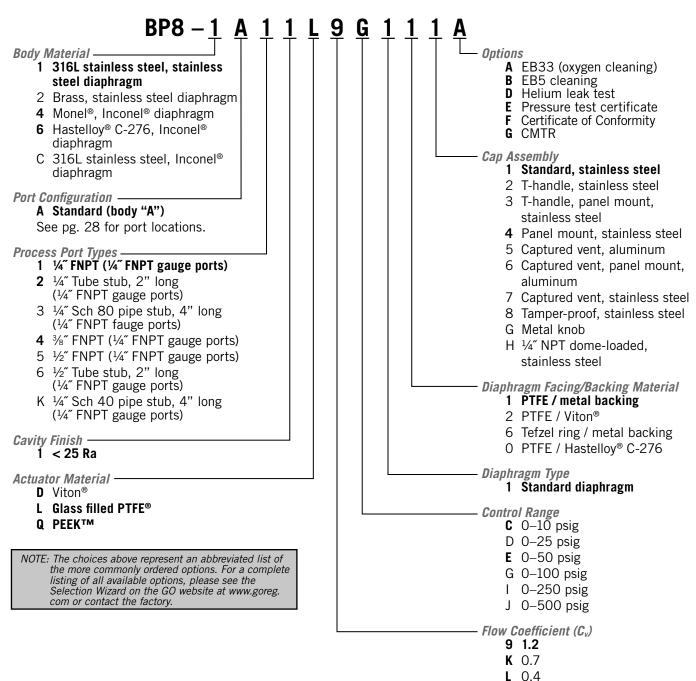
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
	250° F (121° C)	@	250 psig (1.72 MPa)
Glass filled PTFE	250° F (121° C)	@	500 psig (3.44 MPa)
PEEK™	500° F (260° C)	@	500 psig (3.44 MPa)

Temperatures in excess of 175° F (80° C) require the use of a T-handle or the tamper proof option.

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at <u>www.goreg.com/products/matrix/index.htm</u>

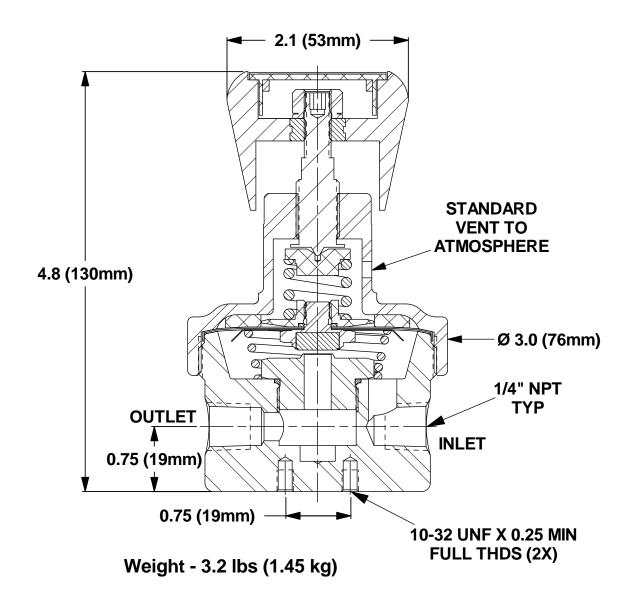
How to Order

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



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

High Flow Back Pressure Regulators



GO REGULATOR, INC.

BP-8LF Series

High Sensitivity Back Pressure Regulators

Introduction

The BP-8LF Series back pressure regulator is designed to furnish precise low back pressure control in analytical instrumentation. With the combination of the large diaphragm sensing area of the BP-8 Series Regulator and the low flow seat assembly of the BP-3 Series pressure regulator, pressure control down to 10 inches of water is easily obtainable.



Typical Applications

- Analytical instrumentation
- Gas and liquid sampling
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel (standard) Monel® or Hastelloy® C-276 (optional)
ADJUSTABLE STANDARD PRESSURE RANGES	0-6, 0-25, 0-50, 0-75, 0-125, 0-250 & 0-500 psig
OPERATING TEMPERATURE	-40° F to +500° F (-40° C to +260° C)
C _V COEFFICIENT	0.2 (standard) 0.03, 0.05, 0.06, 0.12, 0.24, 0.3, 0.095, 0.025, 0.04, 0.005, 0.01 (optional)
INLET & OUTLET CONNECTIONS	¼″ FNPT

Features & Benefits

- Sensitive pressure control
- Low pressure adjustability
- Standard PTFE / Viton® diaphragm

Options

PTFE / stainless steel diaphragm

High Sensitivity 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)
High density PTFE	200° F (93° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° C)	@	500 psig (3.44 MPa)
Ceramic Filled PTFE	300 F (148° C)	@	500 psig (3.44 MPa)

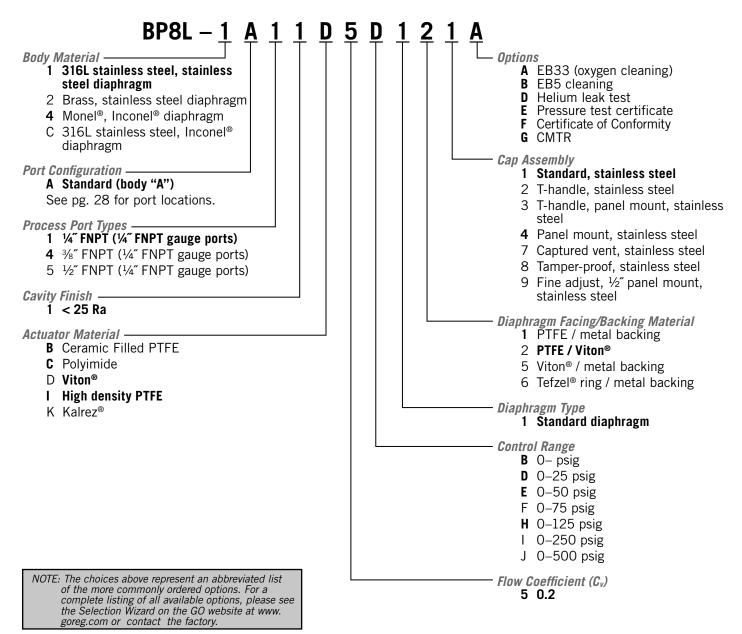
Temperatures in excess of 175° F (80° C) require the use of a T-handle or the tamper proof option.

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm

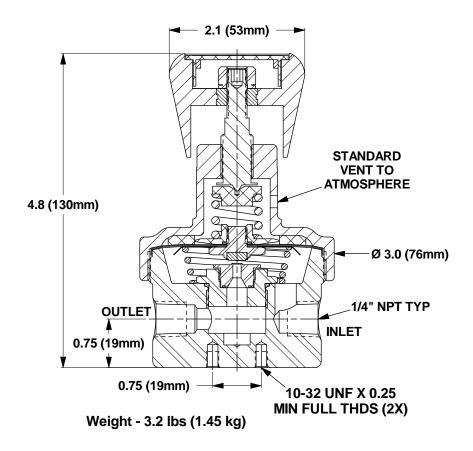
Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

How to Order

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



High Sensitivity Back Pressure Regulators



GOREGULATOR, INC.

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.



pressure regula

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
OPERATING TEMPERATURE	-40° F to +500° F (-40° C to +260° C)
C _V 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	½″ 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

Compact Stainless Steel Back Pressure Regulators

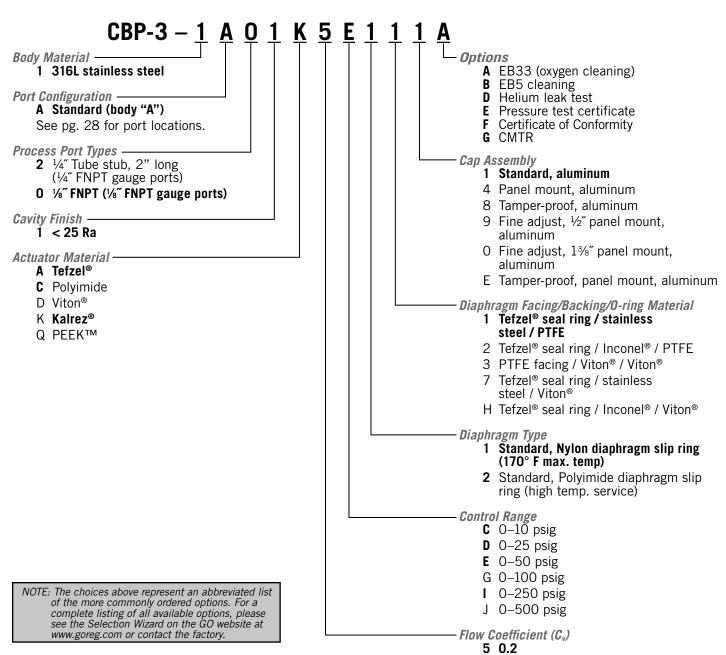
Maximum Temperature and Control Pressures

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)

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at <u>www.goreg.com/products/matrix/index.htm</u>

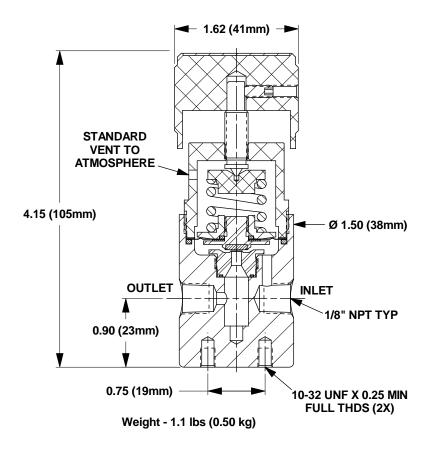
How to Order

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



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

Compact Stainless Steel Back Pressure Regulators



GO REGULATOR, INC.

LB-1 Series

Ultra-miniature Back Pressure Regulators

Introduction

The LB-1 is an ultra-miniature back pressure regulator that employs many of the same features found in the time-tested design of the CBP-3 & BP-3 Series back pressure regulators. Designed for surface, panel or manifold mounting, the LB-1 offers the utmost in versatility to the systems designer. It's low internal volume of less than 3cc makes the LB-1 the perfect choice for systems that require rapid purge cycles. Standard features permit using this regulator in a wide variety of services, including corrosive fluids. The LB-1 can be tailored to virtually any application by choosing the optional features. This regulator is designed to allow the construction of compact and sophisticated analytical instrumentation where the optimum in back pressure control is required and space is at a premium.



pressure re

Typical Applications

- Instrumentation systems requiring rapid purge cycles
- Systems with limited space availability
- Analytical instrumentation
- Gas and liquid sampling
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel, aluminum, brass, or Monel®
ADJUSTABLE STANDARD PRESSURE RANGES	0-10, 0-25, 0-50, 0-100, 0-250 and 0-500 psig
OPERATING TEMPERATURE	-40° F to +500° F (-40° C to +260° C)
Cv COEFFICIENT	0.2

Features & Benefits

- Gas or liquid service
- 316L stainless steel body with better than 25 Ra finish in diaphragm cavity
- Bubble tight shutoff

Ultra-miniature Back Pressure Regulators

Maximum Temperature and Control Pressures

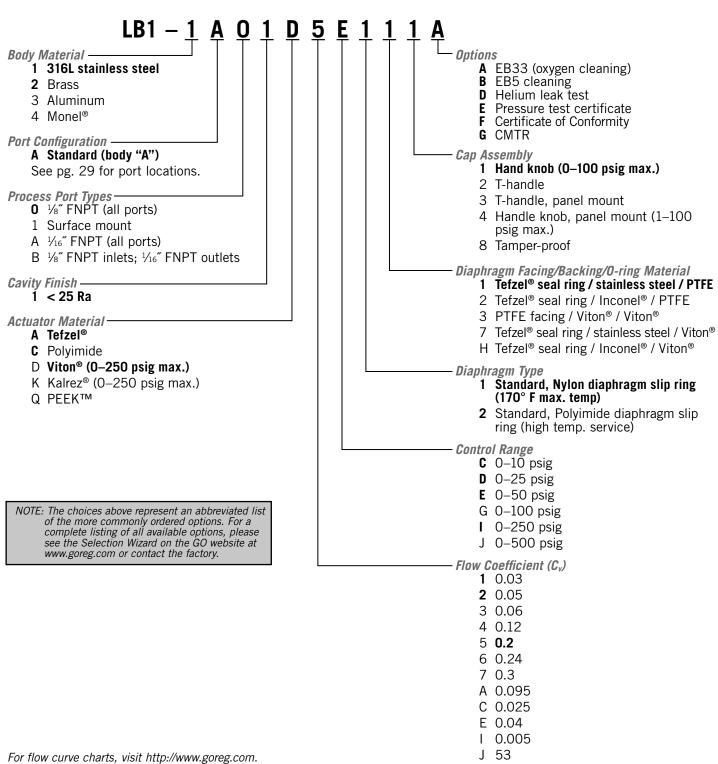
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	250 psig (1.72 MPa)
Kalrez [®]	300° F (148° C)	@	250 psig (1.72 MPa)
Tefzel®	175° F (80° C)	@	500 psig (3.44 MPa)
Polyimide	500° F (260° C)	@	500 psig (3.44 MPa)
PEEK™	500° F (260° C)	@	500 psig (3.44 MPa)

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

How to Order

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



Ultra-miniature Back Pressure Regulators

Stand Alone

Weight - 0.75 lbs (0.34 kg) **Stand Alone Unit** Surface Mount (Manifold) Unit 0.91 (23mm) **STANDARD STANDARD VENT TO VENT TO ATMOSPHERE** ATMOSPHERE 2.78 (71mm) 2.78 (71mm) Ø 1.50 (38mm) Ø 1.50 (38mm) **OUTLET INLET** 1/8" NPT TYP .287 (7mm) IN OUT Ø 0.120 (3mm) 10-32 UNF X 0.25 Min. Full Thds (2 plcs) Ø .218 (6mm) (4X) .594 (15mm) TYP. .490 (12mm) 1.50 (38mm)TYP. 1.188 (30mm)TYP. Ø 1.50 (38mm) .379 (10mm) .305 (7.8mm)

GOREGULATOR, INC.

SBPR Series

Subatmospheric Back Pressure Regulators

Introduction

The SBPR Series subatmospheric back pressure regulator is designed to provide precise upstream vacuum control. One example of this could be to introduce a sample gas at a positive pressure into a vacuum chamber. Downstream from this chamber would be the SBPR and a vacuum pump. The positive pressure will build up in the chamber causing the SBPR to open and allow the chamber to return to the vacuum desired. The SBPR will then close and the process will repeat. The large diameter diaphragm aided by a vacuum assist spring, provides the user with optimum sensitivity for subatmospheric pressure control.



pressure re

Typical Applications

- Analytical instrumentation
- Gas and liquid sampling
- Research labs

Technical Data

CONSTRUCTION	316L stainless steel or brass (standard) Monel® and Hastelloy® C-276 (optional)
ADJUSTABLE PRESSURE CONTROL RANGES	1–30 psia (27.7 in. H20 to 15.3 psig)
OPERATING TEMPERATURE	-40° F to +300° F (-40° C to +148° C)
C _V COEFFICIENT	0.2
INLET/OUTLET CONNECTIONS	1/4" FNPT

Features & Benefits

- Subatmospheric or positive back pressure control
- Large diaphragm for sensitive pressure control

Options

- Extra ports
- Panel mount (requires a 1%" mounting hole)
- Pressure gauges
- Optional welded connections
- Smaller orifice sizes available: 0.005, 0.03

Subatmospheric Back Pressure Regulators

Maximum Temperature and Control Pressures

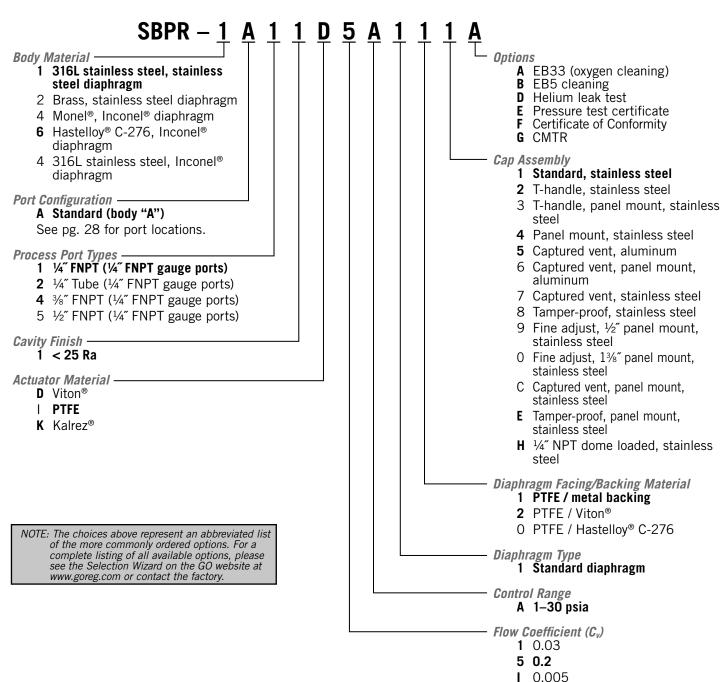
SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Viton®	250° F (121° C)	@	1-30 psia
Kalrez [®]	300° F (148° C)	@	1-30 psia
Teflon®	200° F (93° C)	@	1-30 psia

Temperatures in excess of 175° F (80° C) require the use of a T-handle or the tamper proof option.

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at <u>www.goreg.com/products/matrix/index.htm</u>

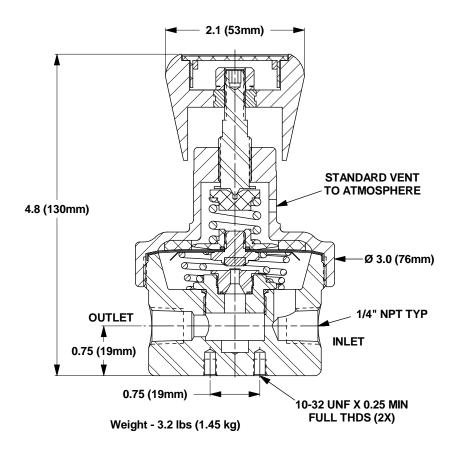
How to Order

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



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

Subatmospheric Back Pressure Regulators



GO REGULATOR, INC.

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.



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, PTFE or stainless steel diaphragm
- Bubble tight shutoff

Options

- Various Cv's available 0.005, 0.01, 0.025, 0.09
- Panel mounting
 - 3/8" FNPT, AN 10050-4, SAE J514 or MS 33649 connections

High Pressure Back Pressure Regulators

Maximum Temperature and Control Pressures

PTFE Diaphragm Backing

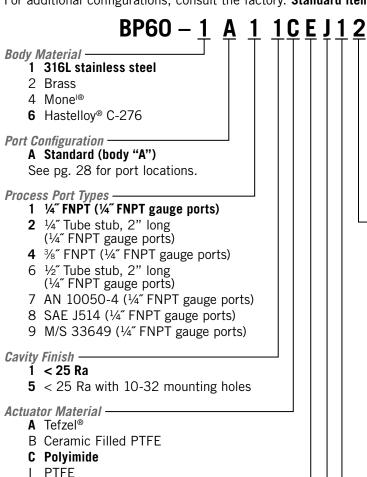
ACTUATOR MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM CONTROL RANGE
Tefzel®	175° F (80° C)	@	2000 psig (13.76 MPa)
Ceramic Filled PTFE	175° F (80° C)	@	2000 psig (13.76 MPa)
PTFE	175° F (80° C)	@	2000 psig (13.76 MPa)
Polyimide	350° F (176° C)	@	2000 psig (13.76 MPa)
PEEK™	350° F (176° C)	@	2000 psig (13.76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

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm

Verify that your chosen part number is valid using the GO Wizards at www.goreg.com/products/matrix/index.htm

How to Order

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



Cap Assembly 1 Standard, aluminum 4 Panel mount, aluminum 5 Captured vent, aluminum Diaphragm Facing/Backing Material **FACING** BACKING **O-RING ACTUATOR** SS **PTFE** Viton® 2 PTFE PTFE SS none 7 Inconel® **PTFE** Viton® Monel® PTFE 8 Inconel® PTFF Monel® Hastelloy® C-276 **PTFE PTFE** Hastelloy® C-276 Α Hastellov® C-276 PTFE Viton® Hastellov® C-276 SS PTFE PTFE SS Q PTFE/ S PTFE SS SS (max. 450° F) Kalrez® SS (max. 450° F) SS **PTFE** Kalrez® ٧ Inconel® PTFE PTFE Monel® Hastelloy® C-276 **PTFE** PTFE Hastelloy® C-276

Q PEEK™

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.

Diaphragm Type

Options

A EB33 (oxygen cleaning)

Pressure test certificate

Certificate of Conformity

B EB5 cleaning

G CMTR

Helium leak test

1 Standard diaphragm

Control Range

J 1–500 psig

K 1–1000 psig

L 1-2000 psig

Flow Coefficient (C_v)

C 0.025

E 0.04

G 0.09

I 0.005

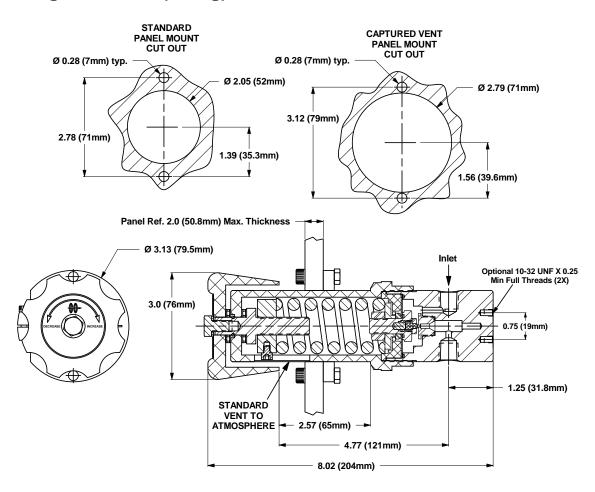
J 0.01

High Pressure Back Pressure Regulators

Outline and Mounting Dimensions

Outline and Mounting Dimensions

Weight = 4.4 lbs (2.0 kg)



GOREGULATOR, INC.

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	1/4" FNPT (standard) AN 10050-4, SAE J514, MS 33649 or 3/6" 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
- Cv of 0.01 or 0.12
- AN 10050-4, SAE J514, MS 33649 or 3/8" **FNPT** connections

High Pressure Back Pressure Regulators (10,000 psig)

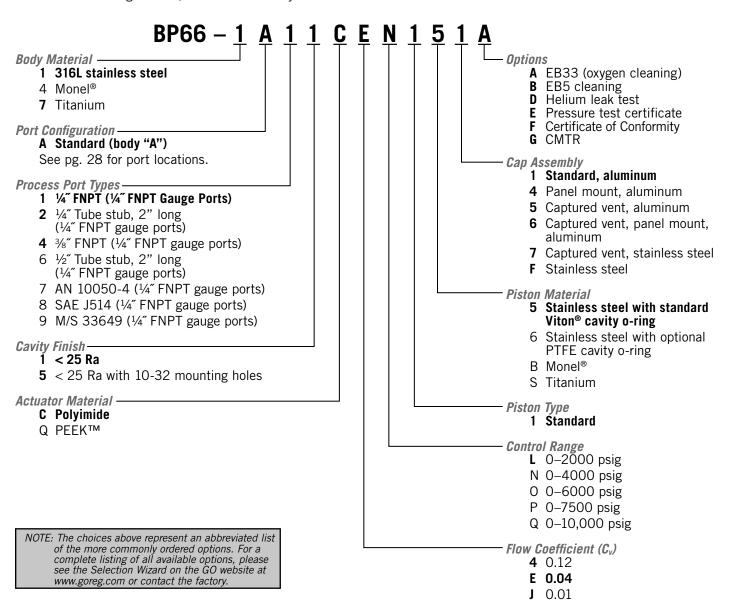
Maximum Temperature and Control Pressures

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)

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm Verify that your chosen part number is valid using the GO Wizards at <u>www.goreg.com/products/matrix/index.htm</u>

How to Order

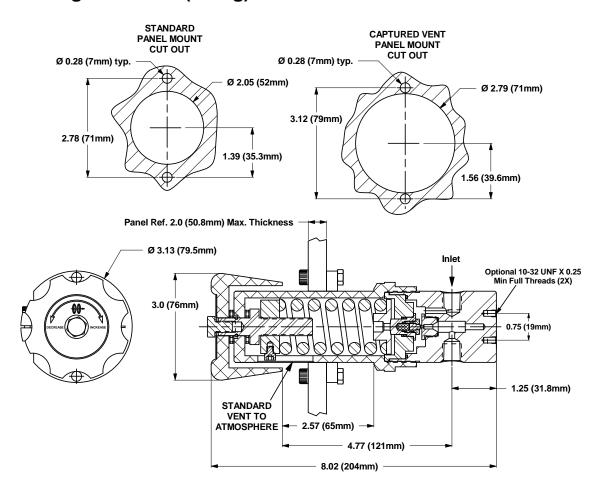
For additional configurations, consult the factory. Standard items in bold.



High Pressure Back Pressure Regulators (10,000 psig)

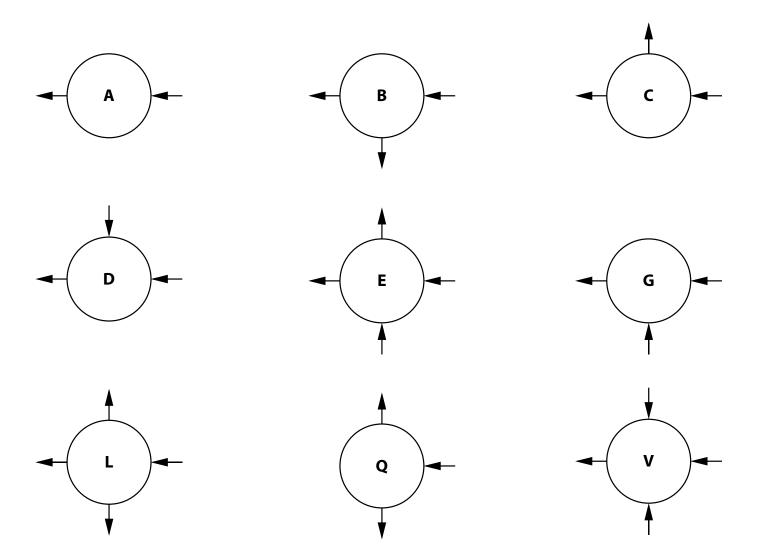
Outline and Mounting Dimensions

Outline and Mounting Dimensions Weight = 4.4 lbs (2.0 kg)



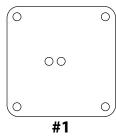
Porting Options for LB-1 and MR

Arrow pointing toward body is inlet, arrow pointing away from body is outlet. Location of ports from top view



SURFACE MOUNT STYLES

 $requires\, \hbox{``Surface Mount''}\, port\, type\, connections$



Center port is outlet, all other ports are inlets.

Location of ports from bottom view

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