

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.



pressure regulators

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, 0.025, 0.03, 0.04, 0.06, 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 1 $\frac{3}{8}$ " mounting hole)
- High purity connections
- Pressure gauges

Maximum Temperature and Control Pressures

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

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

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

1 0.03
3 0.06
5 **0.2**
7 0.3
C 0.025
E 0.04
I 0.005

NOTE: Contact the factory for any additional requirements.

GO Regulator