

BP010 Datasheet

BACK PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Rating: 10 bar (145 psi) | Control Range: 5 bar (75 psi) | Cv 0.1



INTRODUCING THE BP010...

The BP010 is an elastomeric diaphragm-sensed back pressure regulator, offering sensitive control.

Featuring a spring-loaded design, the BP010 offers a bolted bonnet for simplified servicing through its top access. In addition, its threaded bonnet comes as standard for optional panel mounting.

A sub-atmospheric version is also available which can be used to control a negative pressure upstream of the regulator - please ask for details.

SPECIFICATION

Max. Rating	10 bar (145 psi)
Control Range	Up to 5 bar (75 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	1kg (2.2lbs)

STANDARD MATERIALS OF CONSTRUCTION

Other materials are available - please contact the office.

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Soft Seat	PCTFE
Diaphragm	PTFE-Lined Elastomeric
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)

FEATURES AND BENEFITS

1 ELASTOMERIC DIAPHRAGM-SENSED DESIGN

For sensitive pressure control.

2 TEFLON™ LINED DIAPHRAGM

Offers a good chemical resistance.

3 BOLTED BONNET

Simplified servicing through top access.

4 316SS THREADED BONNET

For panel mounting option as standard.

NOTE: Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues. Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.



DESIGNED AND BUILT IN THE UK

PRESSURE TECH LTD

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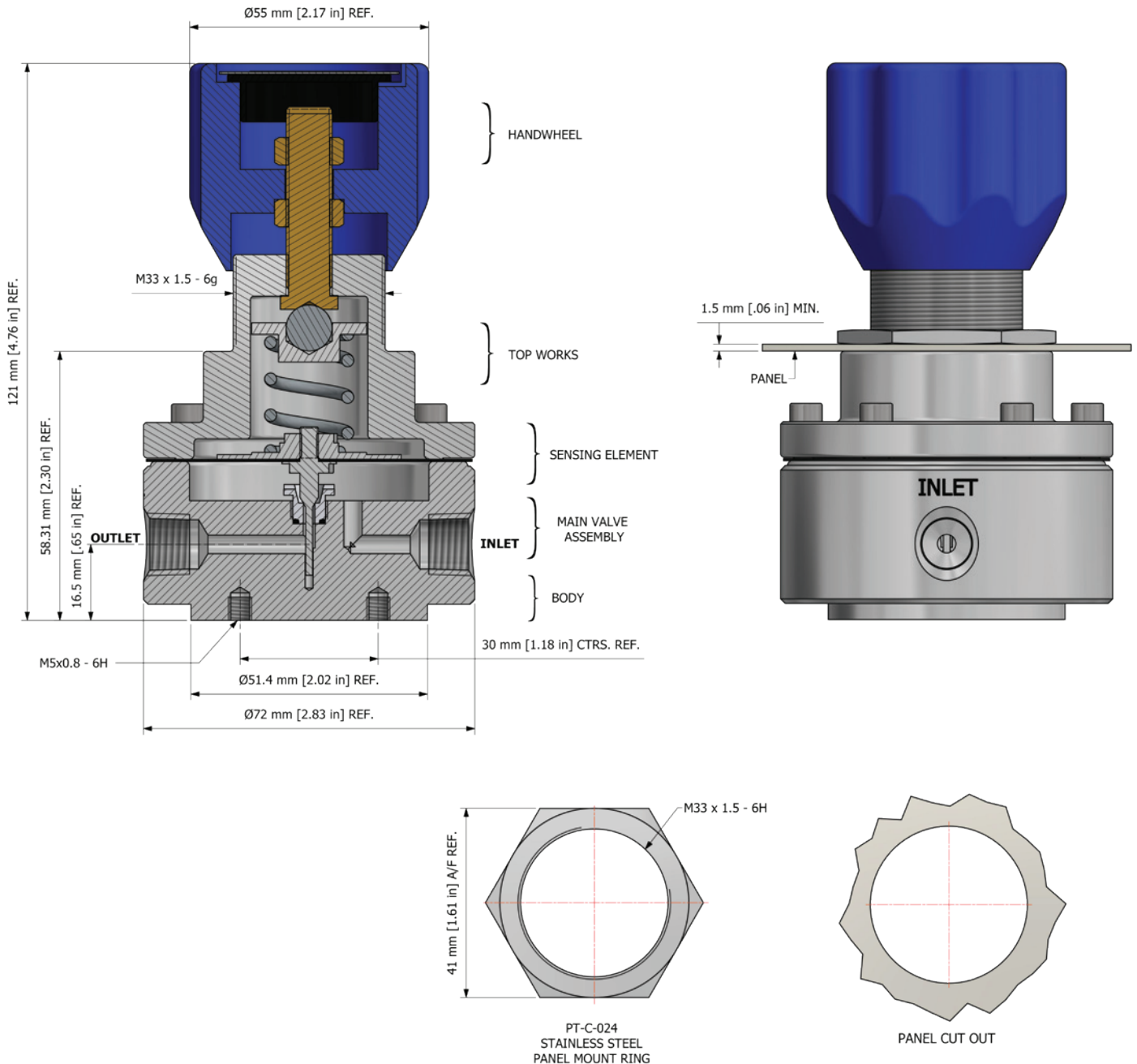
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option - please contact the office for additional connections options.



Note:

All gauge ports are 1/4" NPT as standard.

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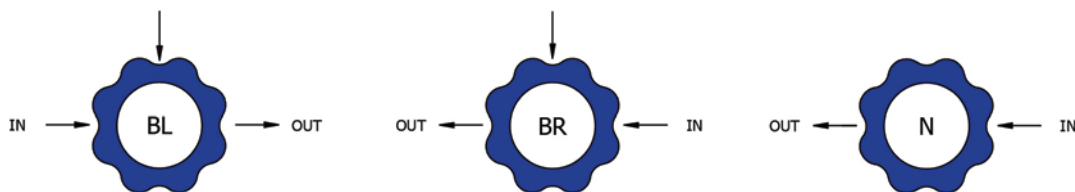


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FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Note:

Additional porting configurations are available - please contact the office for further information.

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ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:

BP010 - 01 - S - 05 - N - K - 02N - N - XXX								
REGULATOR MODEL/SERIES								MODIFICATIONS*
BP010 – Back Pressure Regulator - Diaphragm-Sensed								Please contact the office for further information.
CV VALUE								PORTING CONFIGURATION
01 – 0.1								N - No gauge ports Please refer to page 3 for porting configuration options.
BODY MATERIAL**								INLET/OUTLET CONNECTION SIZE**
S – AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)								02 – 1/4"
CONTROL PRESSURE								INLET/OUTLET CONNECTION TYPE**
01 – Up to 1 bar (14.5 psi) 02 – Up to 2 bar (29 psi) 05 – Up to 5 bar (75 psi)								N – NPT
O-RING MATERIAL**								SEAT MATERIAL**
E – EPDM K – FFKM/FFPM N – NBR V – FKM/FPM								K – PCTFE

OPTIONAL EXTRAS

	PART NUMBER	DESCRIPTION
Service Kit	SRK-BP010...	Various options available
Panel Mounting Ring	PT-C-024	Stainless Steel panel mount ring

Note:

Ancillary equipment also available

* Where applicable

** Other materials may be available - please contact the office

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