

BP300 Datasheet

BACK PRESSURE REGULATOR



Gas Liquid | Diaphragm Piston | Self-Venting Non-Venting | Max Rating: 35 bar (510 psi) | Control Range: 20 bar (300 psi) | Cv 0.1



INTRODUCING THE BP300...

The BP300 is an Inconel® X750 diaphragm-sensed back pressure regulator.

Its compact and simple design makes it ideal for general purpose applications and for systems that do not require accurate control of upstream pressure.

SPECIFICATION

Max Rating	35bar (510psi)
Control Range	Up to 20 bar (300 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	0.9kg (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)
Soft Seat	FKM / FPM
Diaphragm	Inconel® X750
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)

FEATURES AND BENEFITS

1 INCONEL® X750 DIAPHRAGM

For ultimate strength and reliability on clean or corrosive applications.

2 SUITABLE FOR GAS OR LIQUID APPLICATIONS

Versatile usage across a range of media-types.

3 LOW FLOW COEFFICIENT

Minimal restriction of process media.

4 LIGHTWEIGHT & COMPACT DESIGN

Perfect for when installation space is restricted.

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

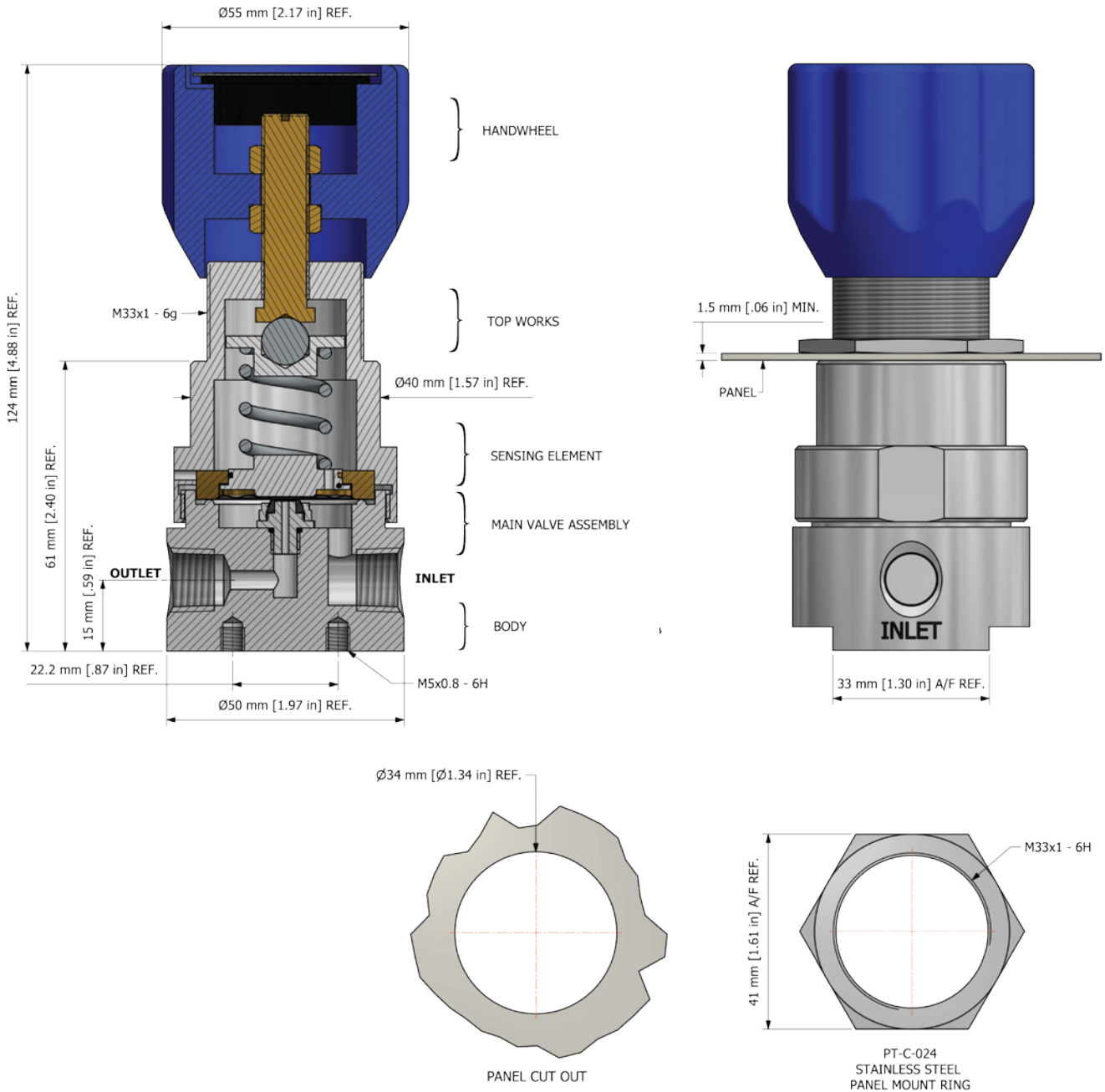
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DRAWINGS AND INSTALLATION DIMENSIONS

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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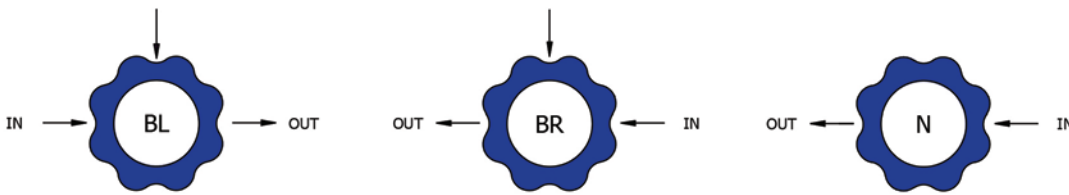


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FLOW CURVE

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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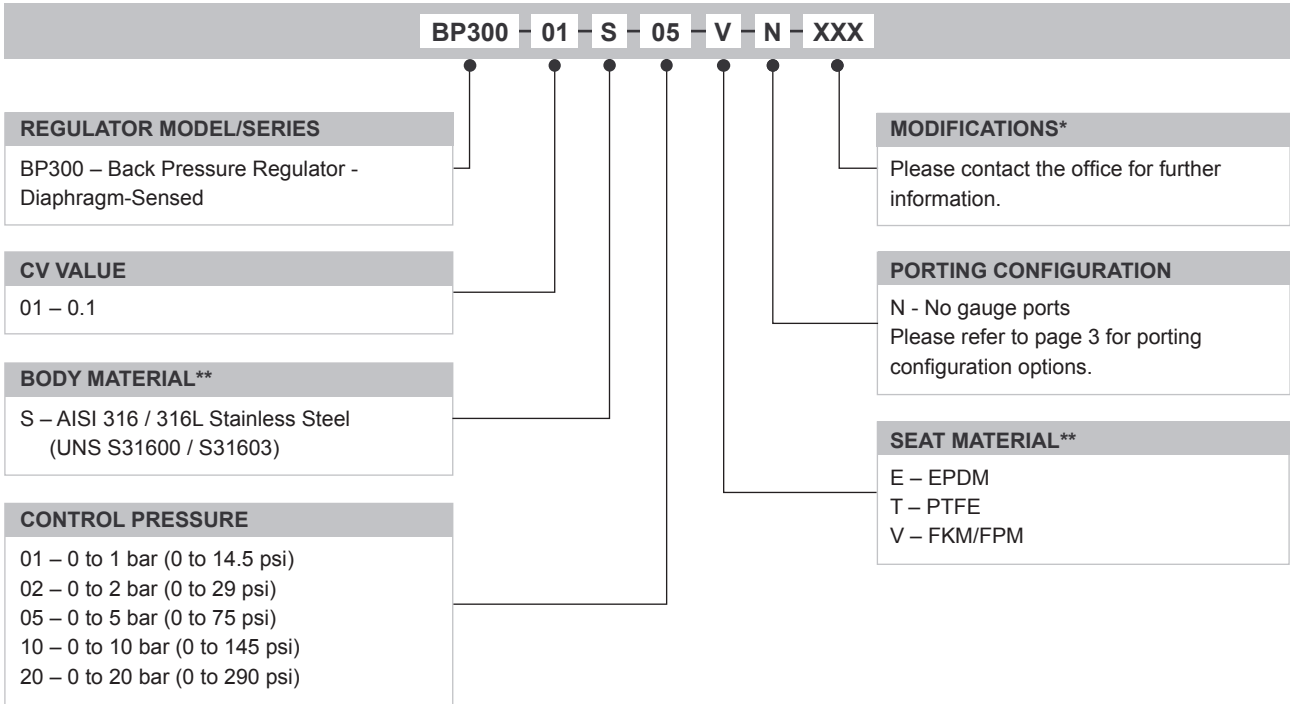
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 Control Range: 20 bar (300 psi)
 Cv 0.1

ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-BP300...	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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