

BP300 Datasheet

BACK PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Rating: 35 bar (510 psi) | Control Range: 20 bar (290 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	35 bar (510 psi)
Control Range	Up to 20 bar (290 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

PART	MATERIALS
Body and Bonnet	ASTM A479 316/316L Stainless Steel (UNS S31600 / S31603)
Soft Seat	FKM/FPM (Viton)
Diaphragm	Inconel® X750 (UNS N07750)
Handwheel	Nylon
O-Rings	FKM/FPM (Viton)
Loading Spring	ASTM A240 301 Stainless Steel (UNS S30100)

Note: Pressure regulator rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure or temperature requirements.

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.



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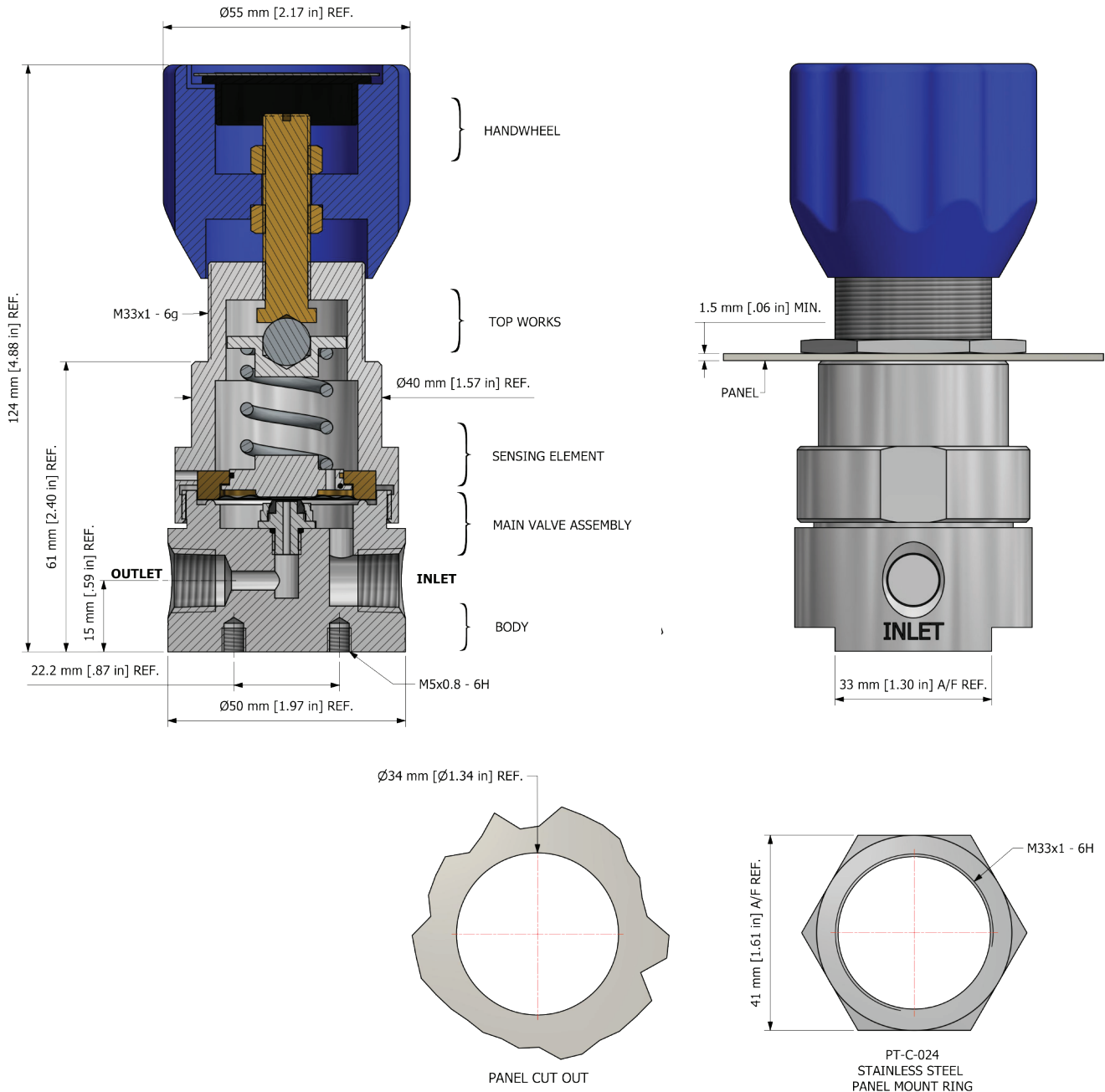
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option and standard configurations only - please contact the office for other options.



Note:

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

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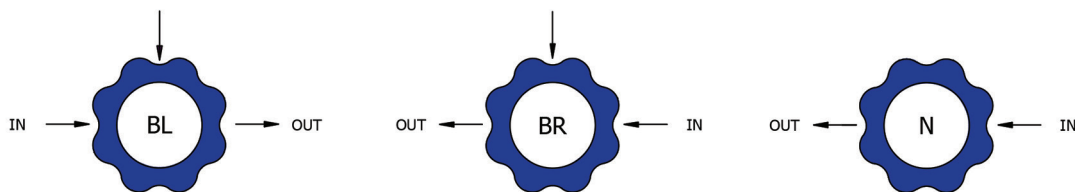


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FLOW CURVE

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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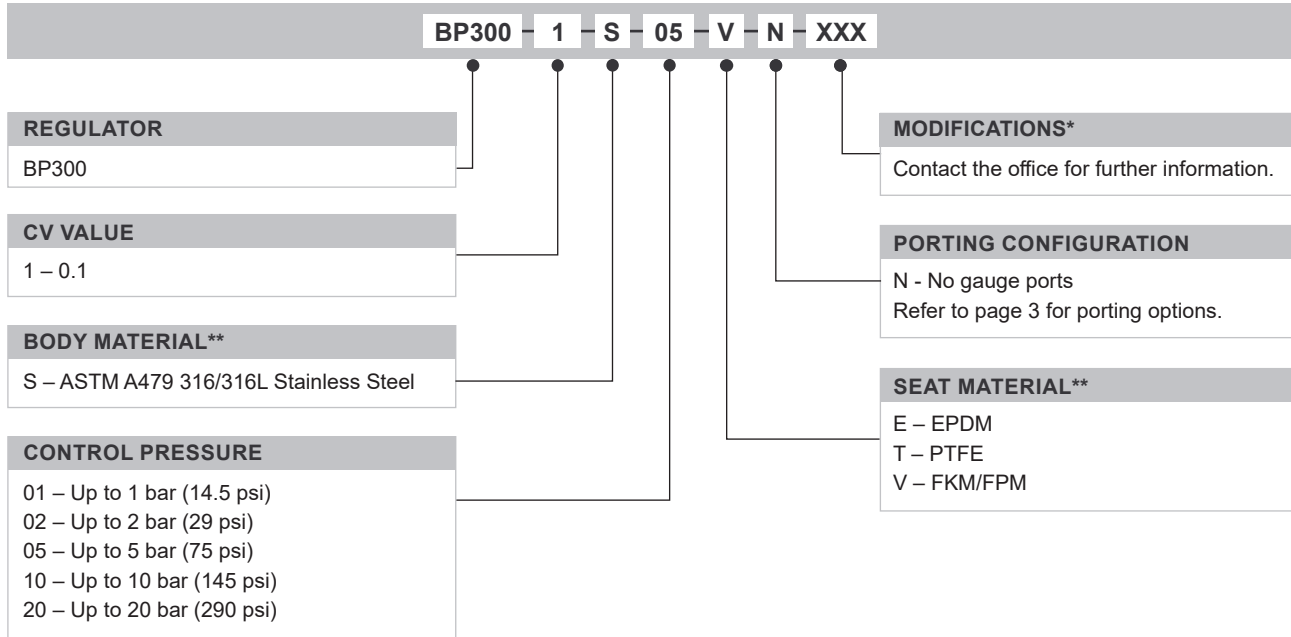
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ORDERING INFORMATION

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

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International

* Where applicable

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

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