

LF-301 Datasheet

LOW-FLOW PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 300bar (4,350psi) | Max Outlet: 180bar (2,610psi) | Cv 0.06



Image for illustration purposes only

INTRODUCING THE LF-301...

The LF-301 is a single-stage piston-sensed pressure regulator with a cone seat design. Its small piston-sensing element allows low torque adjustment with a range of springs for fine pressure adjustment.

Lightweight and compact, the LF-301 is perfect for customers looking for a regulator with a small footprint that offers basic pressure control in a single-stage letdown.

SPECIFICATION

Max Rated Inlet Pressure	300bar (4,350psi)
Outlet Ranges	Up to 180bar (2,610psi)
Design Proof Pressure	150% max WP
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	0.9kg (2lbs)

STANDARD MATERIALS OF CONSTRUCTION

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	PEEK™ or PCTFE
Valve Spring	Inconel® X750
Piston	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

FEATURES AND BENEFITS

1 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

2 316SS THREADED BONNET

For panel mounting option as standard.

3 40 MICRON INLET FILTER

First stage soft seat protection from system contamination.

4 CONE SOFT SEAT DESIGN

Helps minimise damage from potential particles in the system.

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

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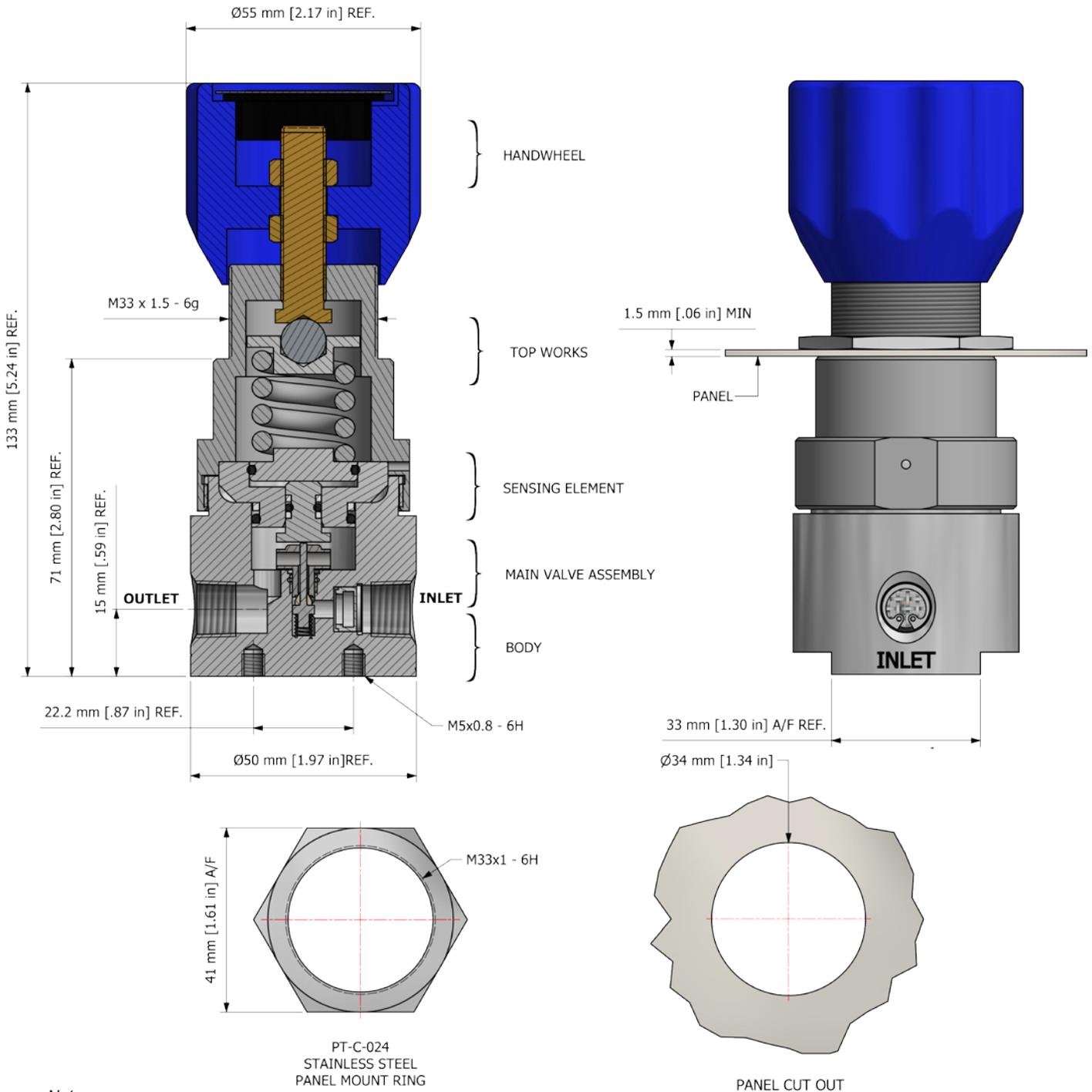
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DRAWINGS AND INSTALLATION DIMENSIONS



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

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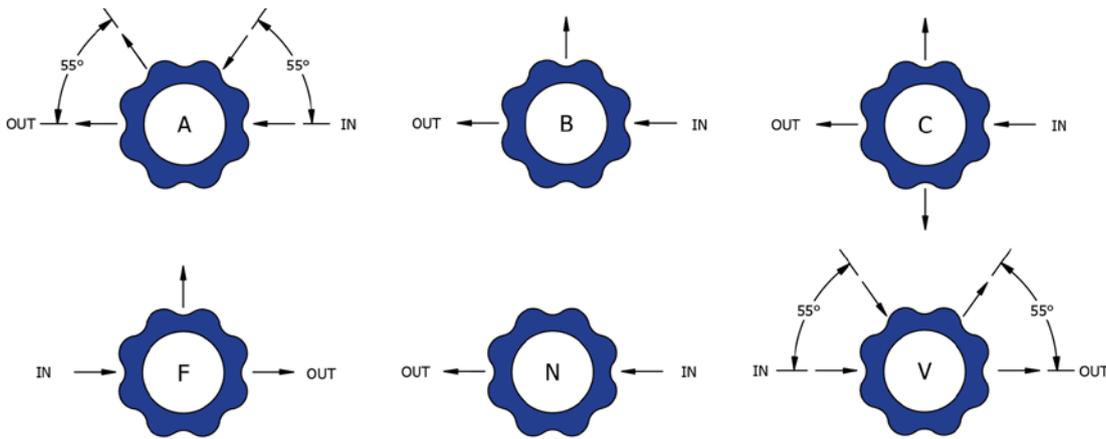


Gas Liquid | Diaphragm Piston | Self-Venting Non-Venting | Max Inlet: 300bar (4,350psi) | Max Outlet: 180bar (2,610psi) | Cv 0.06

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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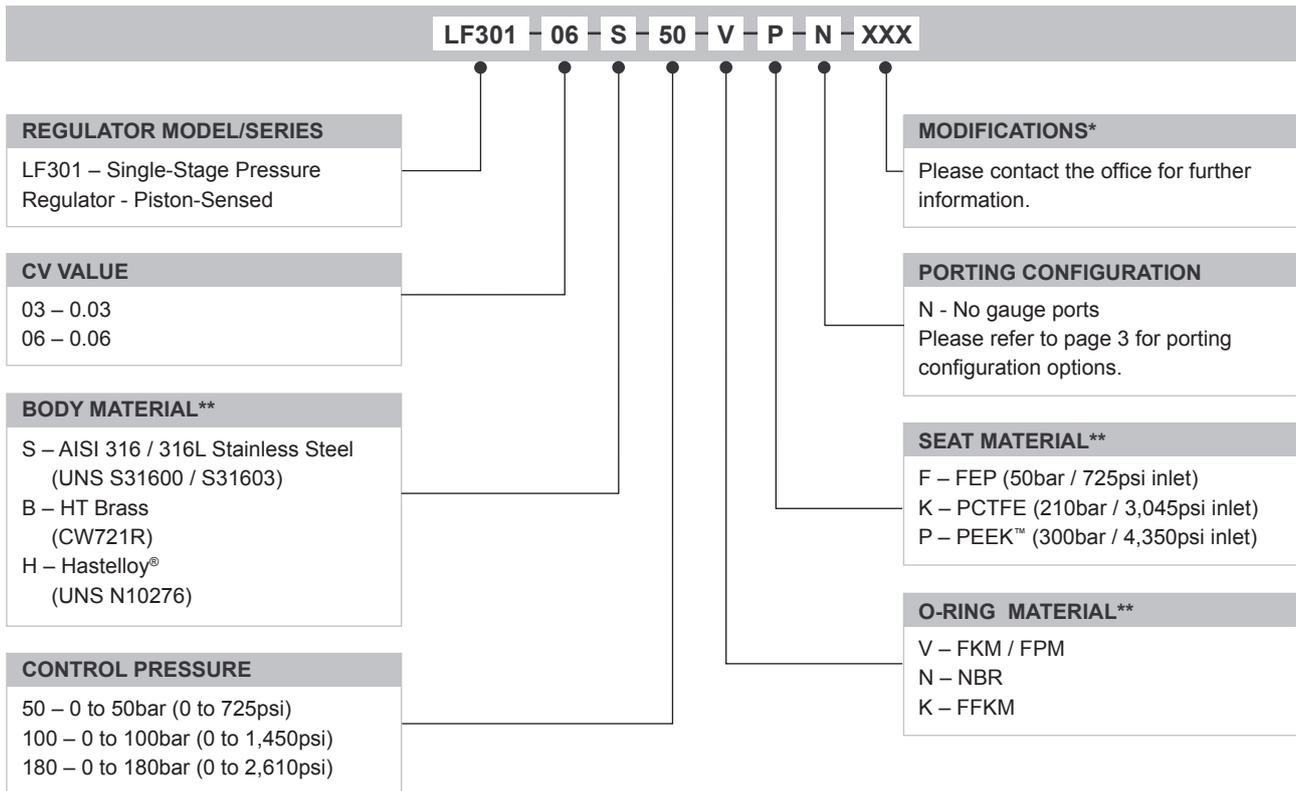
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ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-LF301...	Various options available
Panel Mounting Ring	PT-C-024	

Note: Ancillary equipment and additional Service Kit options also available

TRADEMARKS: PEEK™ is a trademark of Victrex PLC
Inconel® is a registered trademark of Inco Alloys International
Hastelloy® is a registered trademark of Haynes International, Inc

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

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