

LF-300 Datasheet

LOW-FLOW PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 300bar (4,350psi) | Max Outlet: 35bar (510psi) | Cv 0.06



INTRODUCING THE LF-300...

The LF-300 is a single-stage diaphragm-sensed pressure regulator with a cone seat design. Its strong Inconel® X750 diaphragm lasts 50% longer than typical stainless steel designs and offers high accuracy.

A brass machined washer also ensures no torsional load is applied to the diaphragm during assembly.

Lightweight and compact the LF-300 is perfect for customers looking for a regulator with a small footprint.

SPECIFICATION

Max Rated Inlet Pressure	300bar (4,350psi)
Outlet Ranges	Up to 35bar (510psi)
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
Diaphragm	Inconel® X750
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

FEATURES AND BENEFITS

1 INCONEL® X750 DIAPHRAGM

For ultimate strength and reliability on clean or corrosive applications.

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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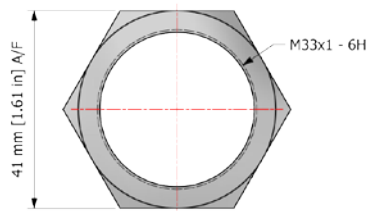
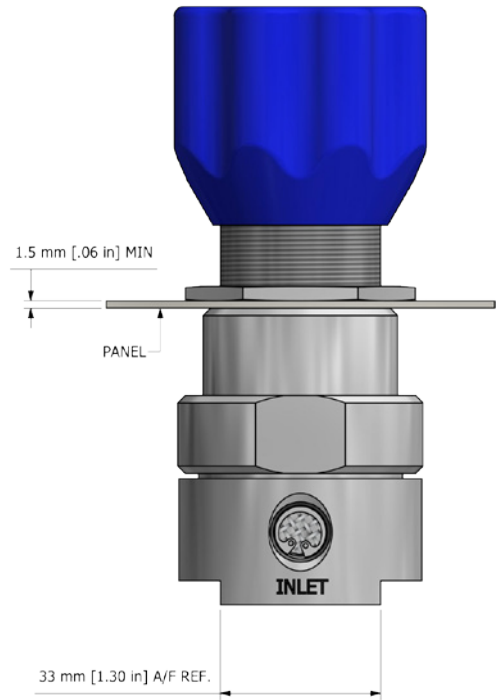
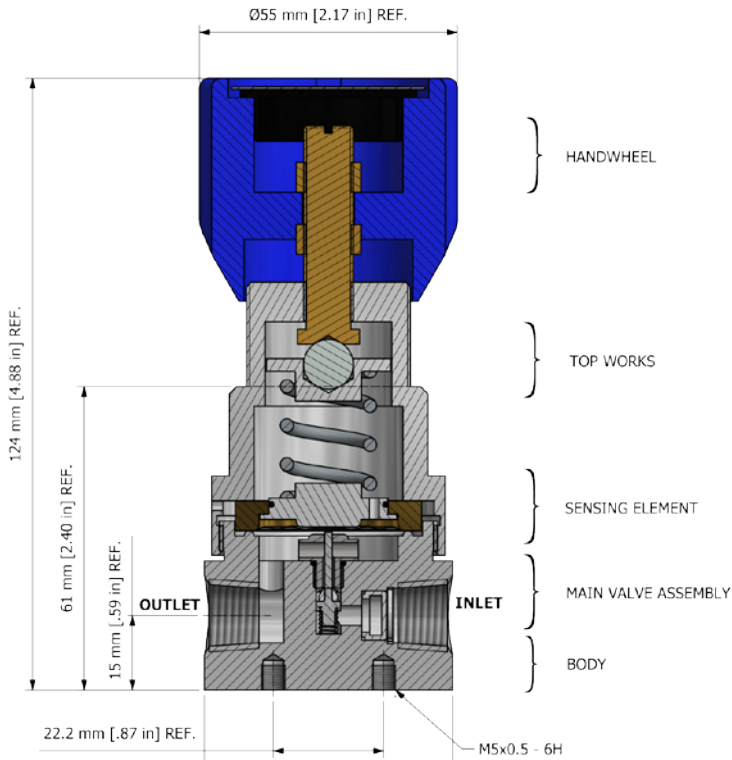
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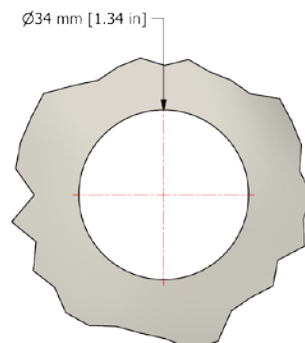


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DRAWINGS AND INSTALLATION DIMENSIONS



PT-C-024
STAINLESS STEEL
PANEL MOUNT RING



PANEL CUT OUT

Note:

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

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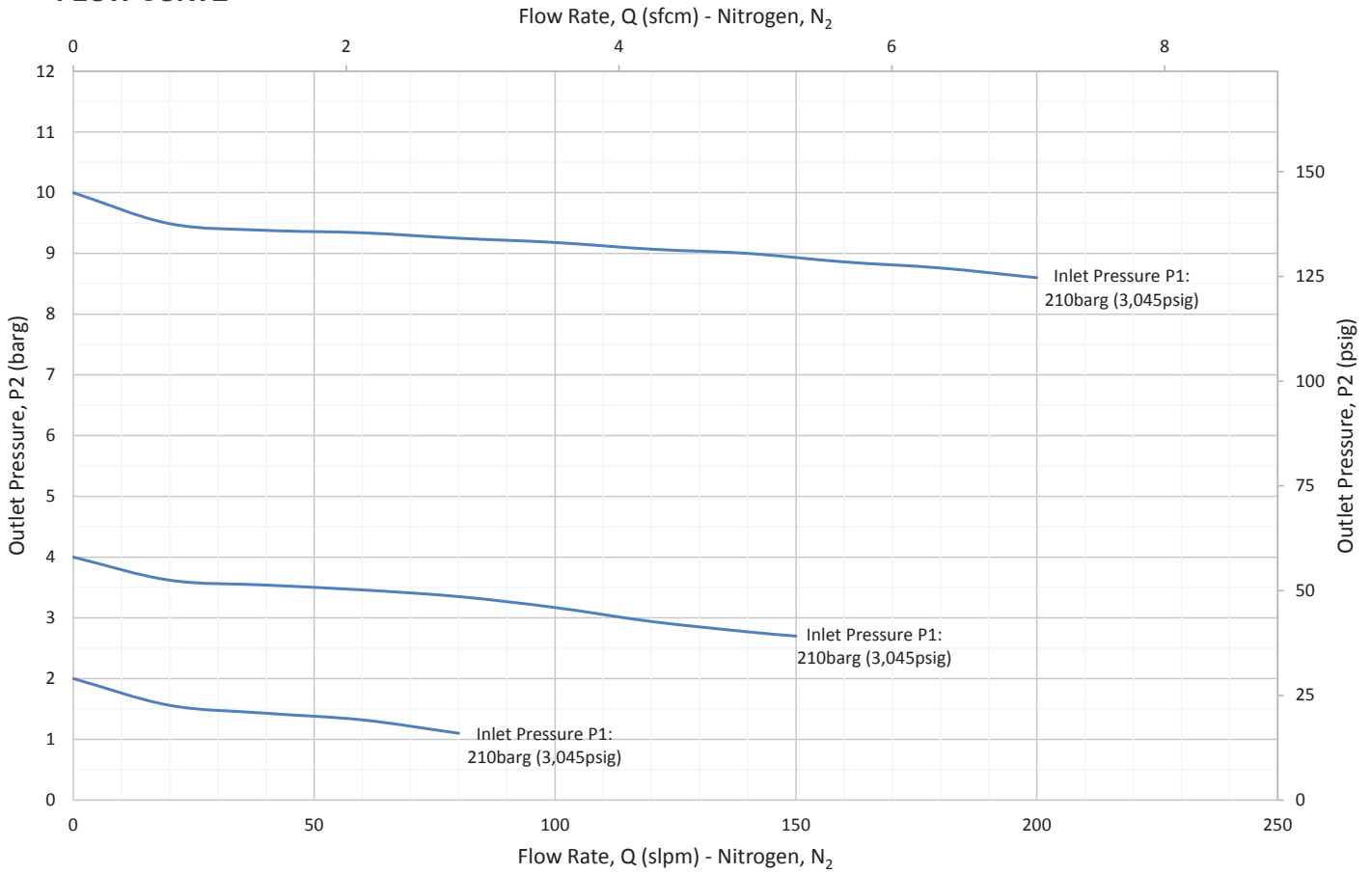
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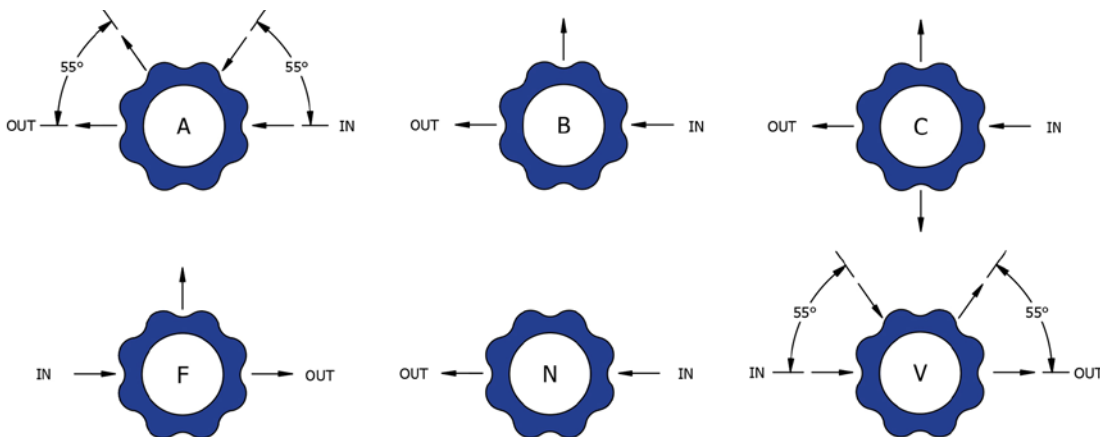


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FLOW CURVE



PORTING CONFIGURATIONS



Note:

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

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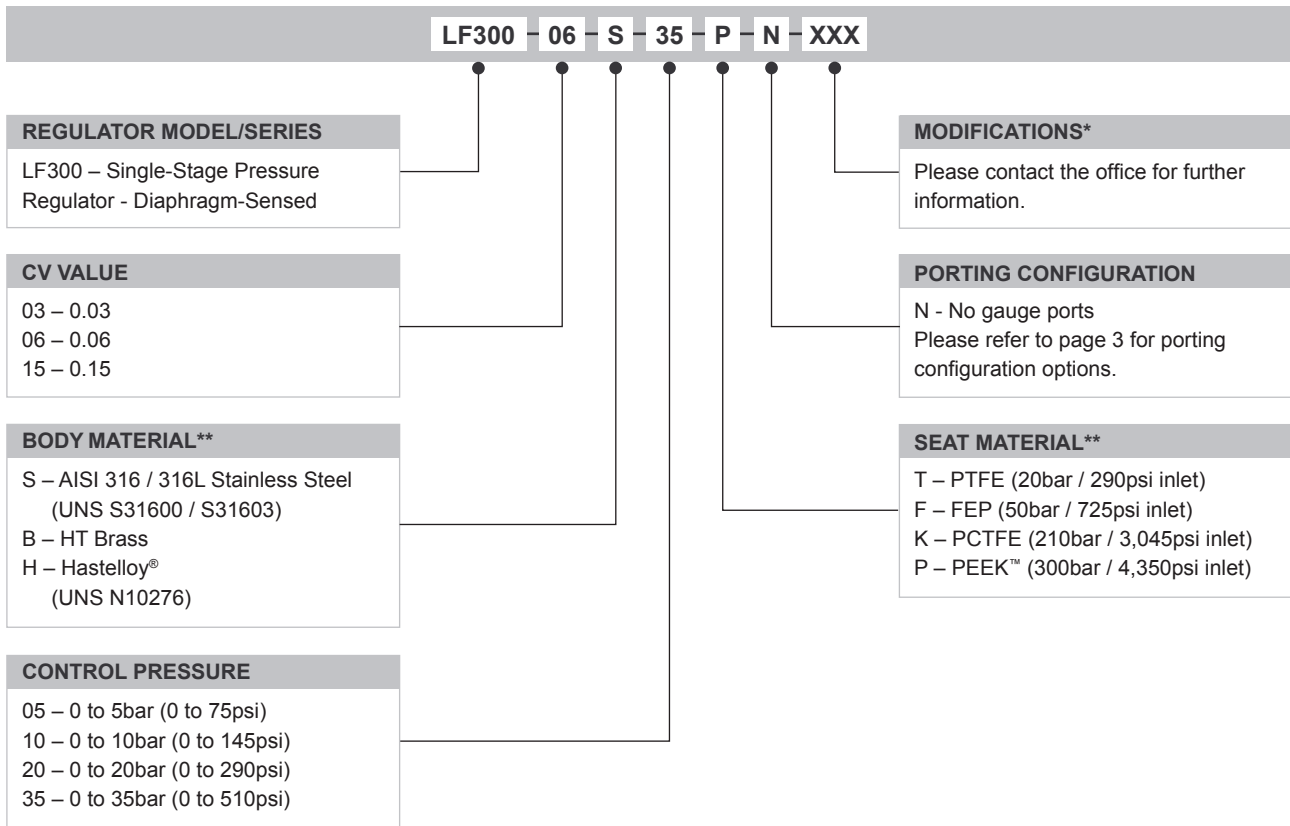
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ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-LF300-06-U-K-M2-V	PCTFE seat and FKM/FPM seals
Service Kit	SRK-LF300-06-U-P-M2-V	PEEK™ seat and FKM/FPM seals
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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