MEDIUM-FLOW PRESSURE REGULATOR















Max Inlet: 414bar (6,000psi)

Max Outlet: 40bar (580psi)

Cv 0.5



INTRODUCING THE MF-101...

The MF-101 is a piston-sensed medium-flow pressure regulator. As standard the MF-101 features an unbalanced main valve and non-venting design, controlling outlet pressures up to 40bar (580psi) from a maximum 100bar (1,450psi) inlet pressure.

Alternatively, its balanced main valve features a non-venting or self-venting (non-captured) design and enables inlet pressures of up to 414bar (6,000psi) using a PEEK™ seat, controlling outlet pressures up to 35bar (510psi).

SPECIFICATION

Max Inlet Pressure:	Balanced	Unbalanced
PEEK™	414bar (6,000psi)	100bar (1,450psi)
PCTFE	300bar (4,350psi)	100bar (1,450psi)

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
Main valve Pin	(UNS S31600 / S31603)
Soft Seat	PEEK™ or PCTFE
Valve Spring	Inconel® X750
Piston	AISI 316 / 316L Stainless Steel
PISTOTI	(UNS S31600 / S31603)
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)

Outlet Ranges	Up to 35bar (510psi)
Design Proof Pressure	150% max WP
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	1.2kg (2.4lbs)

FEATURES AND BENEFITS

LARGE PRECISION-MACHINED SENSING **ELEMENT**

Accurate control of outlet pressures up to 40bar (580psi) on non-venting models.

OPTIONAL 2 BALANCED DESIGN

> Enables intlet pressures of up to 414bar (6,000psi)

LIGHTWEIGHT & COMPACT DESIGN

> Perfect for when installation space is restricted.

SELF-VENTING OR NON-VENTING **MODELS**

> Versatile use for a range of applications.

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.





PRESSURE TECH LTD

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MEDIUM-FLOW PRESSURE REGULATOR





• Gas • Liquid

DiaphragmPiston



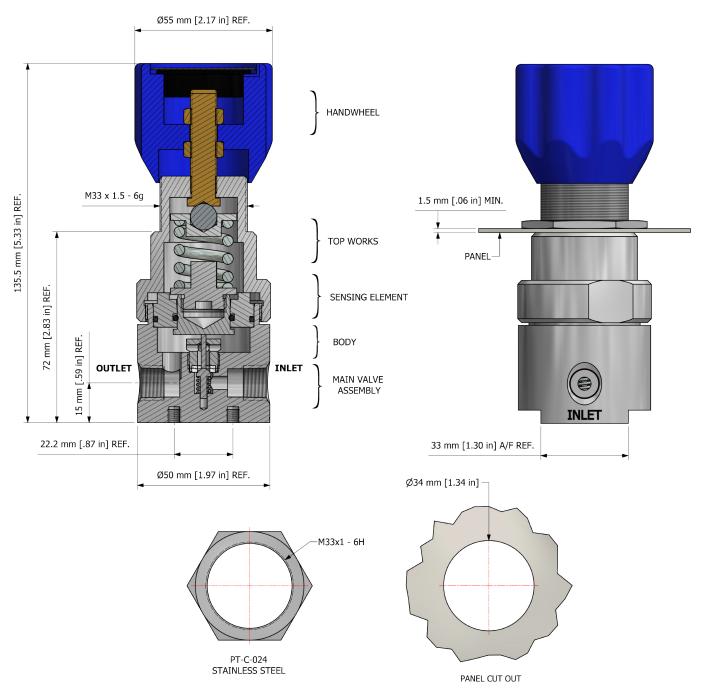
Non-Venting

Max Inlet: 414bar (6,000psi)

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DRAWINGS AND INSTALLATION DIMENSIONS



Note:

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

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MEDIUM-FLOW PRESSURE REGULATOR



• Gas • Liquid

Diaphragm • Piston







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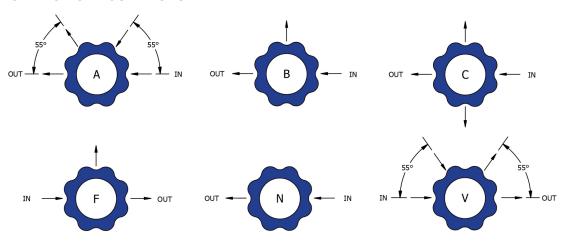
Max Outlet: 40bar (580psi)

Cv 0.5

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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• Gas • Liquid

DiaphragmPiston

Self-Venting

Non-Venting

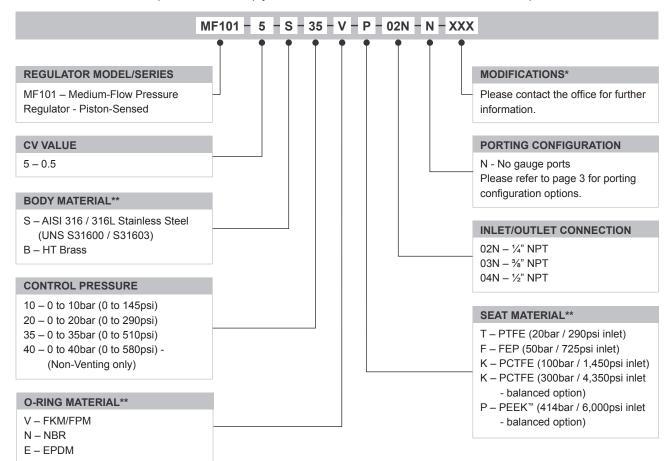
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Max Outlet: 40bar (580psi)

Cv 0.5

ORDERING INFORMATION

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



	PART NUMBER	DESCRIPTION
Service Kit	SRK-MF101-05-B	Various 'Balanced' options available
ervice Kit	SRK-MF101-05-U	Various 'Unbalanced' options available
Panel Mount Ring	PT-C-024	-

TRADEMARKS: PEEK™ is a trademark of Victrex PLC

Inconel® is a registered trademark of Inco Alloys International

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

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