MEDIUM-FLOW PRESSURE REGULATOR



STANDARD MATERIALS OF CONSTRUCTION

MATERIALS

AISI 316/316L Stainless Steel

AISI 316/316L Stainless Steel

AISI 302 S26 Stainless Steel

AISI 316/316L Stainless Steel

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(UNS S31600/S31603)

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Alloy Spring Steel

Nylon

NBR

PEEK[™] or Ceramic

● Gas ● Liquid	Diaphragm Piston Self- Venting	Non- Venting Max Inlet: 414 bar (6,000 psi)	Max Outlet: 414 bar (6,000 psi) Cv 2.0

PART

Body and Bonnet

Main Valve Pin

Soft Seat

Piston

Valve Spring

Handwheel

Loading Spring

O-Rings

INTRODUCING THE MF414...

The MF414 is a medium-flow piston-sensed pressure regulator with a **balanced main valve** design to provide stable control under varying inlet pressures. Its versatility enables use on liquid (with a ceramic seat) or gas (with a PEEK[™] seat) applications.

Both designs feature a segregated captured vent to allow pressure reduction of the outlet pressure through a 1/4" NPT port on the side of the regulator's body.

SPECIFICATION

Max. Rated Inlet Pressure	414 bar (6,000 psi)		
Outlet Ranges	Up to 414 bar (6,000 psi)		
Design Proof Pressure	150% max. working pressure		
Seat Leakage	In accordance with ANSI/FCI 70-3		
Weight	6kg (13.2lbs)		

* Pressure regulator rating may be limited by connection type, Cv and/or seat material

FEATURES AND BENEFITS







DESIGNED AND BUILT IN THE UK

PRESSURE TECH LTD

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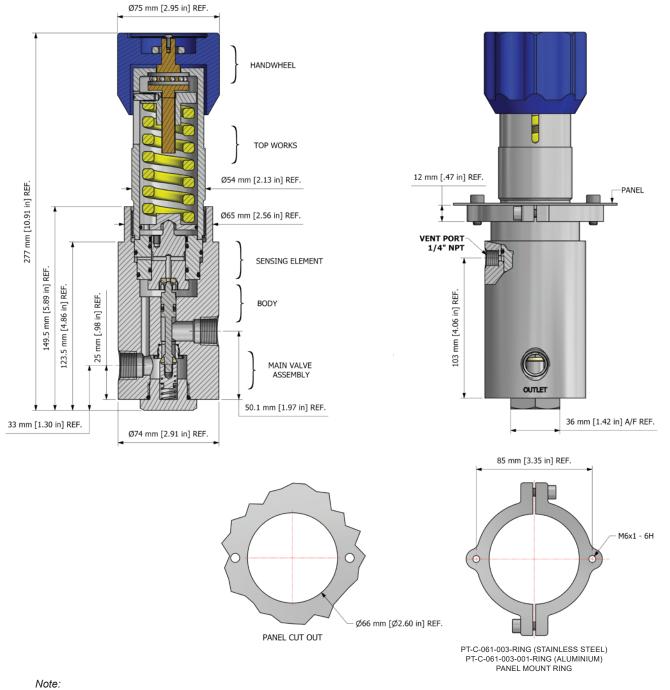
MEDIUM-FLOW PRESSURE REGULATOR



PRESSURE TECH

DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/2" NPT option - please contact the office for additional connections options.



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

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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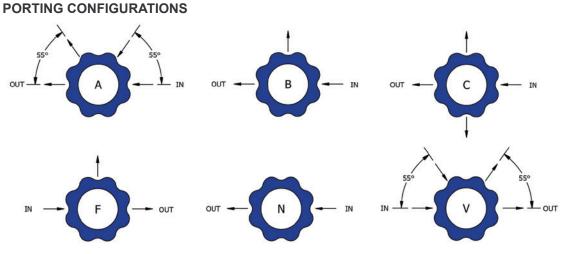
MEDIUM-FLOW PRESSURE REGULATOR



● Gas ● Liquid Diaphragm	Piston Self- Venting	Non- Venting	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 414 bar (6,000 psi)	Cv 2.0

FLOW CURVE

Please contact the office for further information.



Note:

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

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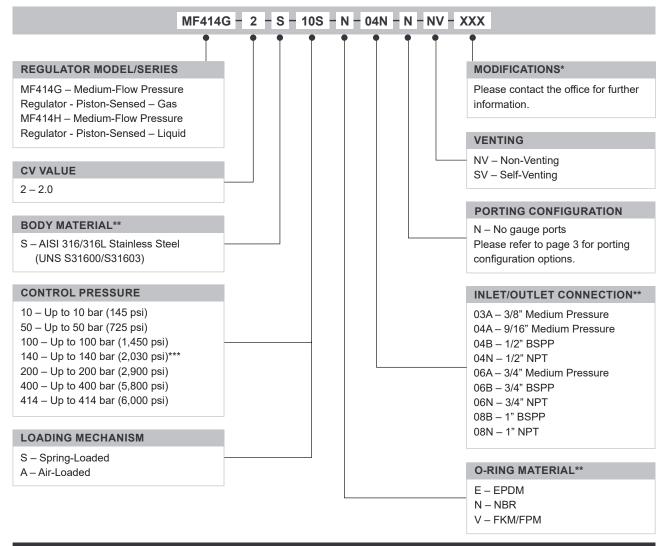
MEDIUM-FLOW PRESSURE REGULATOR



• Gas	Liquid Diaphragm	Piston	Self- Venting	Non- Venting	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 414 bar (6,000 psi)	Cv 2.0

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-MF414-2-B	Various options available		
Panel Mount Ring	PT-C-061-003-RING	Staineless Steel panel mount ring		
Panel Mount Ring	PT-C-061-003-001-RING	Aluminium panel mount ring		

Note:

Ancillary equipment also available

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International PEEK[™] is a trademark of Victrex PLC

* Where applicable

** Other connections/materials may be available - please contact the office *** Air-loaded only

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