MEDIUM-FLOW PRESSURE REGULATOR



ASTM A479 316/316L Stainless Steel

ASTM A479 316/316L Stainless Steel

Approx. Temperatures: -196°C to 538°C

Approx. Temperatures: -50°C to 204°C

Approx. Temperatures: 38°C to 800°C

ASTM A240 301 Stainless Steel

Approx. Temperatures: -29°C to 370°C

Approx. Temperatures: -30°C to 120°C

ASTM A240 301 Stainless Steel

NBR N70 (Nitrile Buna N)

ASTM A479 316/316L Stainless Steel

(UNS S31600/S31603)

PEEK[™] (450G)

(UNS S30100)

For the full list of material temperature ranges, please

Note: Temperature details are provided as nominal values for guidance purposes only.

No warranty is made, expressed or implied. Contact the office for specific temperature

Nylon

Ceramic (Zirconia)

● Gas ● Liquid ● Diaphragm ● Piston	● Self- Venting ● Non- Venting	Max Inlet: 414 bar (6,0	00 psi) Max Outlet: 414 bar (6,000 psi) Cv 2.
		STANDARD MAT	ERIALS OF CONSTRUCTION
		PART	MATERIALS

Body and Bonnet

Main Valve Pin

Soft Seat

Valve Spring

Handwheel

Loading Spring

visit www.pressure-tech.com.

O-Rings

requirements.

Piston

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.

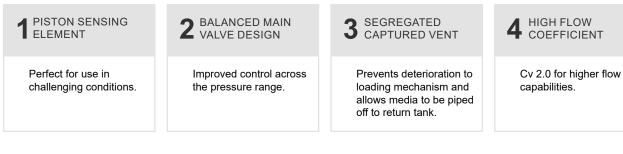
Both designs feature a segregated captured vent to allow pressure reduction of the outlet pressure through a 1/4" NPT port on the side of the regulator's body.

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)

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

FEATURES AND BENEFITS



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

E sales@pressure-tech.com

W www.pressure-tech.com

PRESSURE TECH LTD Unit 24, Graphite Way, Hadfield, G

T +44 (0)1457 899 307

01	Dealerateire	1.112	01/40	40

hite Way, Hadfield,	Glossop, Derbyshire, UK, SK13 1QH	
157 000 207		

	~
	à
	1
	0
	7
	à

MEDIUM-FLOW PRESSURE REGULATOR



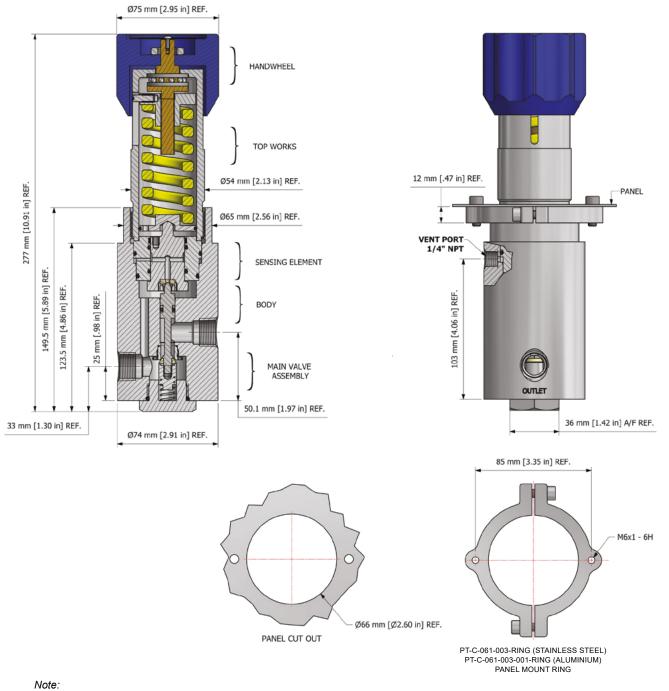
PAGE:

2 OF 4



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



DESIGNED AND BUILT IN THE UK

PRESSURE TECH LTD Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

T +44 (0)1457 899 307

- E sales@pressure-tech.com
- W www.pressure-tech.com

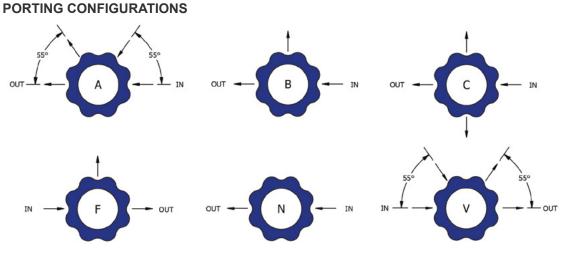
MEDIUM-FLOW PRESSURE REGULATOR



● 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.

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

PRESSURE TECH LTD Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

T +44 (0)1457 899 307

E sales@pressure-tech.com W www.pressure-tech.com



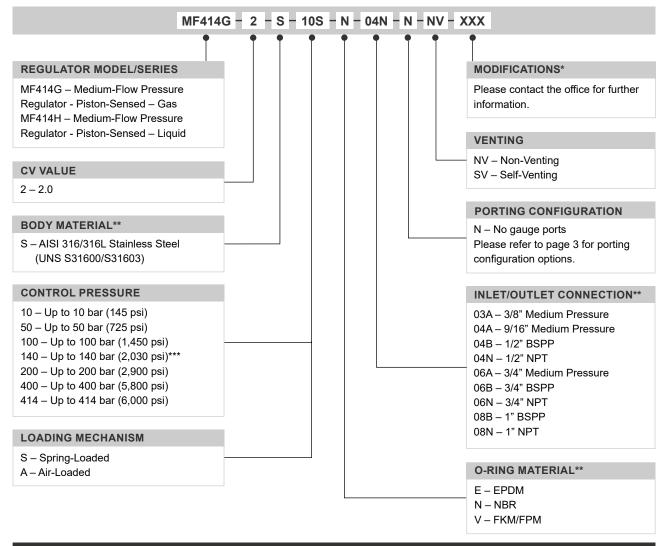
MEDIUM-FLOW PRESSURE REGULATOR



• 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

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

PRESSURE TECH LTD

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

- T +44 (0)1457 899 307
- E sales@pressure-tech.com
- W www.pressure-tech.com

