MEDIUM-FLOW BACK PRESSURE REGULATOR



			-
🔹 Gas	Liquid	🛛 🔵 Diaphragm	Piston
- Ouo			

Max Rating: 400 bar (5,800 psi)

Max Inlet Control: 200 bar (2,900 psi)

Cv 3.0



### **INTRODUCING THE BP-MF401...**

The BP-MF401 is a piston-sensed medium-flow back pressure regulator for gas or liquid applications with a balanced main valve design. The liquid version includes a PEEK<sup>™</sup> seat, whilst the gas version features PCTFE seating.

This accurate regulator controls inlet pressure and vents excess pressure back via the threaded NPT or BSP outlet port of up to 1" diameter.

### **SPECIFICATION**

Max. Rating	400 bar (5,800 psi)
Max. Inlet Control	Up to 200 bar (2,900 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	5.5kg (12.1lbs)

## FEATURES AND BENEFITS



For accurate pressure control.



Simplified servicing through base of regulator.

### STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
Main Valve Pin	ASTM A479 316/316L Stainless Steel
Soft Seat	PEEK™
Soli Seal	PCTFE
Valve Spring	ASTM A240 301 Stainless Steel (UNS S30100)
Handwheel	Nylon
Piston	ASTM A479 316/316L Stainless Steel
	NBR N70 (Nitrile Buna N)
O Pinga	FKM/FPM (Viton)
O-Rings	EPDM (Ethalyne)
	FFKM (Kalrez)
Loading Spring	Alloy Spring Steel

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

FLANGE-TYPE 3 BONNET

> Quick and easy access for maintenance.

BALANCED MAIN VALVE DESIGN

Improved control across the pressure range.

PAGE:

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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

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH +44 (0)1457 899 307 | sales@pressure-tech.com | www.pressure-tech.com DESIGNED, MANUFACTURED AND BUILT IN THE UK © 2024 Pressure Tech Ltd. All Rights Reserved.

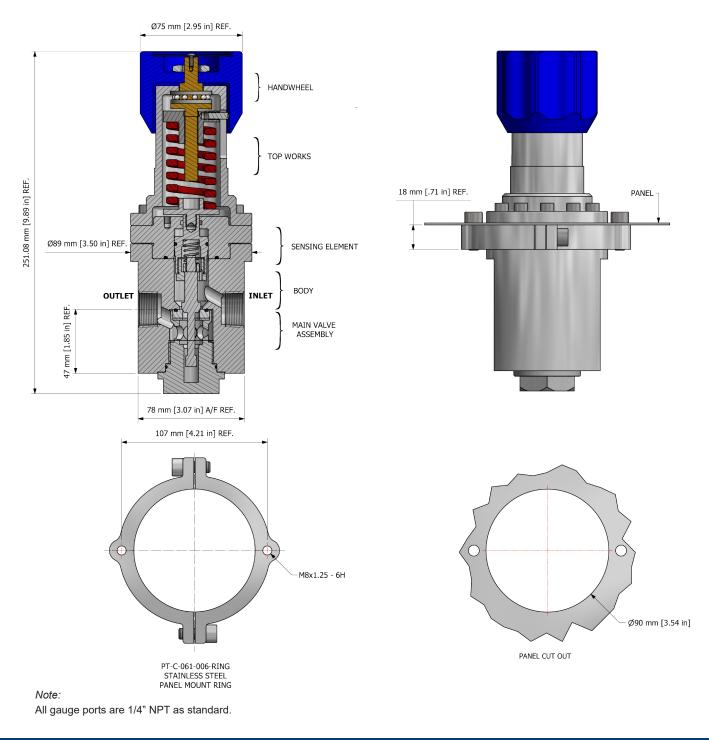
MEDIUM-FLOW BACK PRESSURE REGULATOR



<ul> <li>Gas</li> <li>Liquid</li> </ul>	Diaphragm • Piston	Max Rating: 400 bar (5,800 psi)	Max Inlet Control: 200 bar (2,900 psi)	Cv 3.0

## DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for standard configurations only - please contact the office for other options.



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MEDIUM-FLOW BACK PRESSURE REGULATOR

Diaphragm • Piston



Max Rating: 400 bar (5,800 psi)

**PRESSURE TECH** 

Cv 3.0

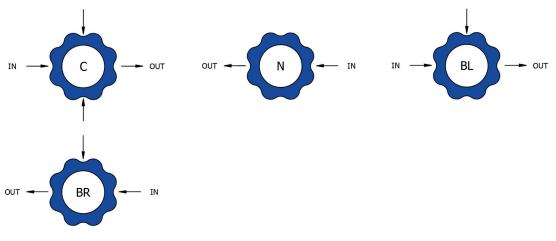
Max Inlet Control: 200 bar (2,900 psi)

# FLOW CURVE

• Gas • Liquid

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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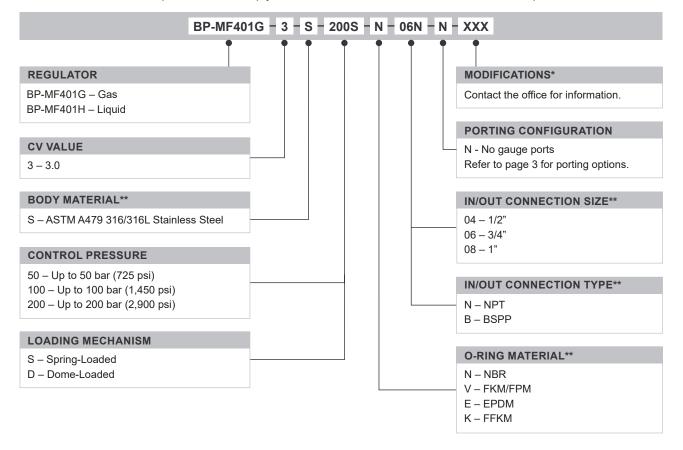
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• Gas • Liquid	Diaphragm • Piston	Max Rating: 400 bar (5.800 psi)	Max Inlet Control: 200 bar (2,900 psi)	Cv 3.0
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### **ORDERING INFORMATION**

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



#### **OPTIONAL EXTRAS**

	ART NUMBER	DESCRIPTION
Service Kit SF	RK-BP-MF401	Various options available
Panel Mounting Ring PT	T-C-061-006-RING	Stainless Steel panel mount ring

**TRADEMARK:** PEEK<sup>™</sup> is a trademark of Victrex PLC

\* Where applicable

\*\* Other materials/connections may be available

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