BP-MF690 (05) Datasheet MEDIUM-FLOW BACK PRESSURE REGULATOR



● Gas ● Liquid	Diaphragm • Piston	Max Rating: 550 bar (7,975 psi)	Control Range: 414 bar (6,000 psi)	Cv 0.5



INTRODUCING THE BP-MF690 (05)...

The BP-MF690 (05) is a piston-sensed medium-flow back pressure regulator for gas or liquid applications. The gas version includes a PEEK[™] seat, whilst the liquid version features Hastelloy[®] seating for excellent protection from cavitation and positive shut-off on medium-flow applications.

The BP-MF690 (05) accurately controls inlet pressures of up to 414 bar (6,000 psi) and vents excess pressure back via the threaded NPT, BSP or MP outlet port.

SPECIFICATION

Max. Rating	550 bar (7,975 psi)
Control Range	Up to 414 bar (6,000 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	5kg (11lbs)

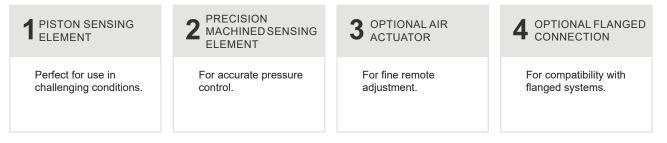
STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316/316L Stainless Steel
Body and Bonnet	(UNS S31600/S31603)
Main Valve Pin	Inconel® 718
	(UNS N07718)
Seat	PEEK [™] or Hastelloy [®]
Valve Spring	Elgiloy®
valve Spring	(UNS R30003)
Piston	AISI 316/316L Stainless Steel
FISION	(UNS S31600/S31603)
Handwheel	Nylon
O-Rings	NBR or FKM/FPM
Loading Spring	Silicon Chrome Wire

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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

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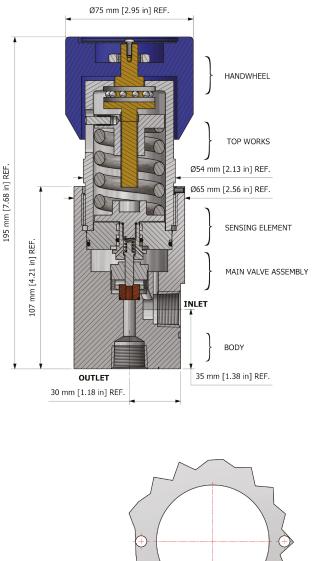
BP-MF690 (05) Datasheet MEDIUM-FLOW BACK PRESSURE REGULATOR

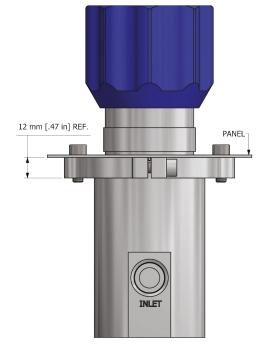


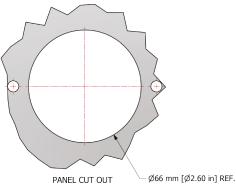
• Gas • Liquid	Diaphragm Piston	Max Rating: 550 bar (7.975 psi)	Control Range: 414 bar (6,000 psi)	Cy 0.5
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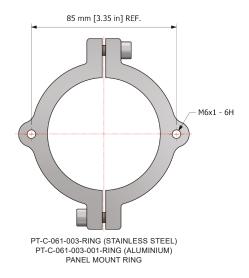
DRAWINGS AND INSTALLATION DIMENSIONS

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









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

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BP-MF690 (05) Datasheet

Diaphragm
 Piston



Max Rating: 550 bar (7,975 psi)

PRESSURE TECH

Cv 0.5

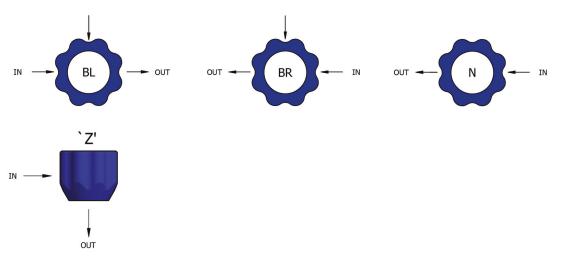
Control Range: 414 bar (6,000 psi)

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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BP-MF690 (05) Datasheet MEDIUM-FLOW BACK PRESSURE REGULATOR



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• Gas 👘	lacksquare	Liquid)D

Diaphragm
• Piston

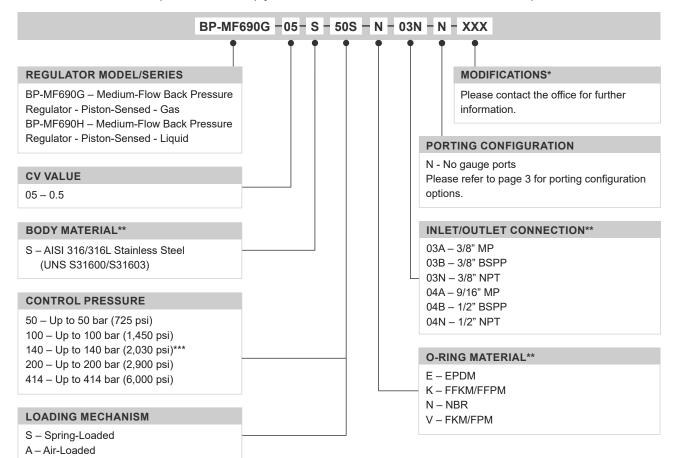
Max Rating: 550 bar (7,975 psi)

Control Range: 414 bar (6,000 psi)

Cv 0.5

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-BP-MF690-05	Various options available
Panel Mounting Ring	PT-C-061-003-RING	Stainless Steel panel mount ring
Panel Mounting Ring	PT-C-061-003-001-RING	Aluminium panel mount ring

TRADEMARK:

Elgiloy® is a registered trademark of Elgiloy Specialty Metals Inconel® is a registered trademark of Inco Alloys International PEEK[™] is a trademark of Victrex PLC Hastellov® is a registered trademark of Havnes International. Inc * Where applicable

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

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