BP-MF691 (05) Datasheet MEDIUM-FLOW BACK PRESSURE REGULATOR



Gas • Liquid

Diaphragm • Piston

Max Rating: 1,034 bar (15,000 psi)

Control Range: 900 bar (13,025 psi)

Cv 0.5



INTRODUCING THE BP-MF691 (05)...

The BP-MF691 (05) is a piston-sensed mediumflow back pressure regulator for liquid applications. It includes Hastelloy® seating for excellent protection from cavitation and positive shut-off on medium-flow applications.

The BP-MF691 (05) accurately controls inlet pressures of up to 900 bar (13,050 psi) and vents excess pressure back via the threaded NPT or Medium Pressure outlet port.

SPECIFICATION

Max. Rating	1,034 bar (15,000 psi)
Control Range	Up to 900 bar (13,025 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	5kg (11lbs)

FEATURES AND BENEFITS

1 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

PRECISION **MACHINED SENSING** ELEMENT

For accurate pressure control.



PART	MATERIALS
	AISI 316 / 316L Stainless Steel
Body and Bonnet	(UNS S31600 / S31603) or
body and bonnet	AISI 17-4 PH Stainless Steel
	(UNS S17400)
Main Valve Pin	Inconel®718
Main vaive Pin	(UNS N07718)
Seat	Hastelloy®
Value Spring	Elgiloy®
Valve Spring	(UNS R30003)
Piston	AISI 316 / 316L Stainless Steel
PISION	(UNS S31600 / S31603)
Handwheel	Nylon
'O'-Ring Seals	NBR or FKM / FPM
Loading Spring	Silicon Chrome Wire / Spring Alloy

OPTIONAL AIR ACTUATOR

For fine remote adjustment.

OPTIONAL FLANGED Δ CONNECTION

For compatibility with flanged systems.

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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



DESIGNED AND BUILT IN THE UK

PRESSURE TECH LTD

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BP-MF691 (05) Datasheet



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Gas		

Diaphragm • Piston

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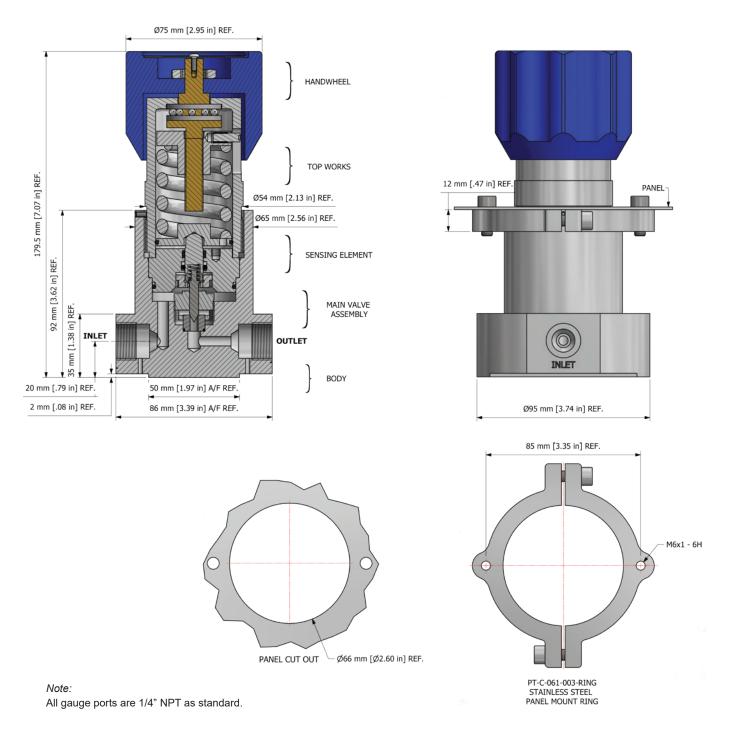
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DRAWINGS AND INSTALLATION DIMENSIONS

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



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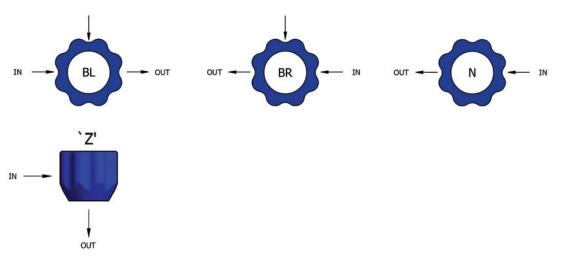


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Gas • Liquid Diaphragm • Piston	Max Rating: 1,034 bar (15,000 psi)	Control Range: 900 bar (13,025 psi)	Cv 0.5

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

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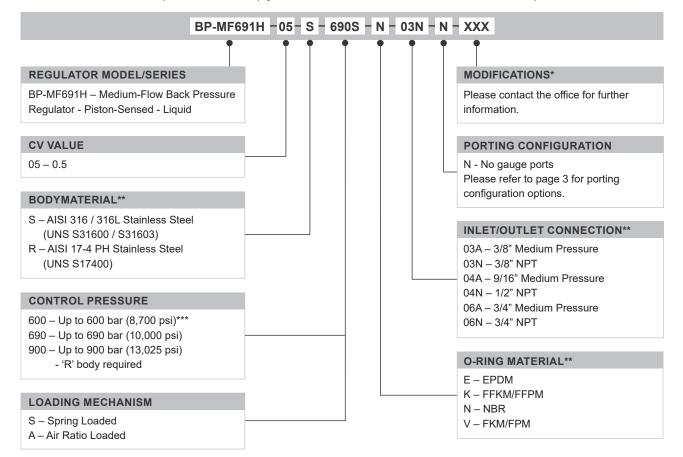
Max Rating: 1,034 bar (15,000 psi)

Control Range: 900 bar (13,025 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-MF691-05	Various options available	
Panel Mounting Ring	PT-C-061-003-RING	Panel mount ring	
Note: Ancillary equipment als	so available		

TRADEMARK:

Elgiloy® is a registered trademark of Elgiloy Specialty Metals Inconel® is a registered trademark of Inco Alloys International Hastelloy® is a registered trademark of Haynes International, Inc * Where applicable

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

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