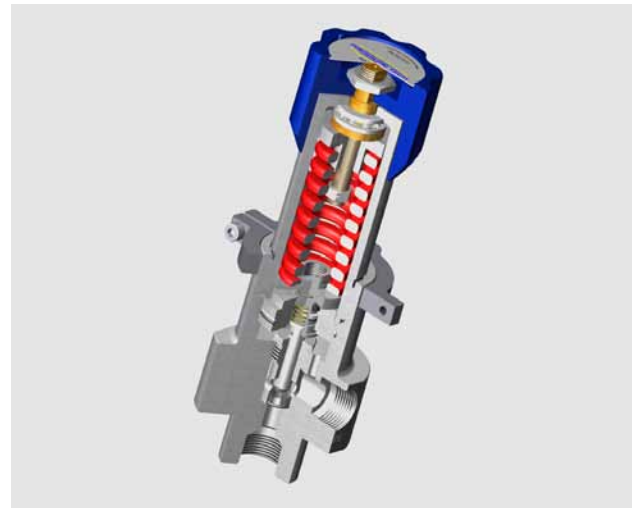


# BP-MF690-15 SERIES

**'Medium Flow' Back Pressure Regulator for liquid or gas applications with Cv 1.5 . Piston Sensed for inlet control to 690bar / 10000psi**



The BP-MF690 is a back pressure regulator for gas or liquid applications suited for typical low flow applications to xxlpm (liquid). The liquid version includes ceramic seating for ultimate protection against cavitation and erosion on aggressive application media such as water glycol and methanol. This accurate regulator controls inlet pressure and vents excess pressure back via the threaded 3/4" NPT outlet port.

## FEATURES:

- Inlet control range to 310bar
- NEW ceramic seating for liquid & PEEK seating for Gas
- Precision machined sensing element
- Captured outlet port

Optional flanged connections

Optional 316SS Panel mounting ring

## APPLICATIONS:

Chemical injection systems  
Valve test rigs  
Methanol Injections systems  
Supercritical liquid

## STANDARD MATERIALS OF CONSTRUCTION

Regulator part	Material
Body	316SS
Bonnet	316SS
Main valve	Gas: 316SS Liquid: Ceramic
Seat	Liquid: Ceramic Gas: PEEK
Valve spring	302SS
Sensor and Holder	316SS
Handwheel	Nylon
Spring rests	316SS
'O' ring seals	NBR, Viton or EPDM
Adjusting screw	Alu Bronze
Loading Spring	Spring Steel
Lubricant	Krytox GPL 205

Pressure Tech reserve the right to amend dimensions and product detail as part of our commitment to achieve product realisation. Product selection is based on compatibility information and any prior user experience. Unless otherwise and specifically agreed, Pressure Tech cannot guarantee the suitability of product on individual applications, and this remains the users responsibility.

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Designed and built in the UK



# BP-MF690-15 SERIES

'Medium Flow' Back Pressure Regulator for liquid or gas applications with Cv 1.5 . Piston Sensed for inlet control to 690bar / 10000psi

## INSTALLATION DIMENSIONS

## SPECIFICATION :

Max rated WP pressure	690bar (10,000psi)
Inlet ranges	up to 310bar (8,000psi)
Design Proof pressure	150% max WP
Leakage	Liquid: Zero drops of water at max inlet Gas: Bubble tight
Seat diameter	10 mm
Weight	Approx kg

## ORDERING INFORMATION:

**BPMF690G – 15 – S – 200S – N – 04N – Z**

Basic Model	_____	_____	_____	_____	_____
BPMF690G - Gas					
BPMF690H - Hydraulic					
Cv Value	_____	_____	_____	_____	_____
15 – 1.5					
Body material	_____	_____	_____	_____	_____
S – 316SS					
Inlet ranges (Examples*)	_____	_____	_____	_____	_____
50S – 0 – 50bar					
100S – 0 – 100bar					
200S – 0 – 200bar					
320S – 0 – 320bar					
					Porting configuration Refer office
					Inlet/outlet connections 04N – ½”NPT 06N – ¾”NPT 08N – 1”NPT 06WF – ¾” Weld flange 08WF – 1” Weld flange
					O Ring N - NBR V – FKM/FPM E - EPDM K – FFKM/FFPM

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