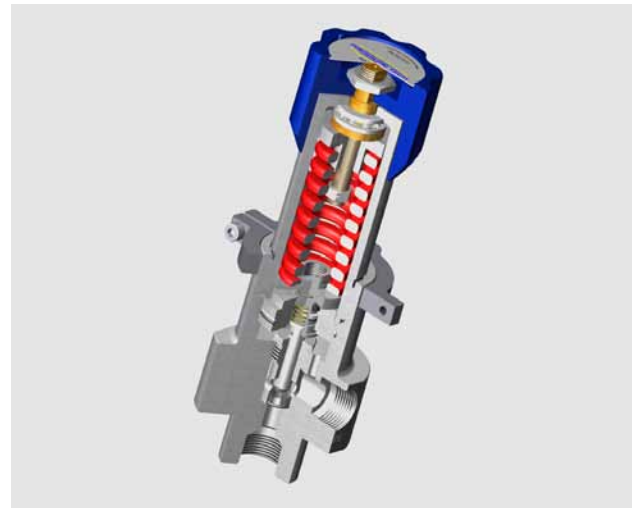


# BP-MF690-15 SERIES

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

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