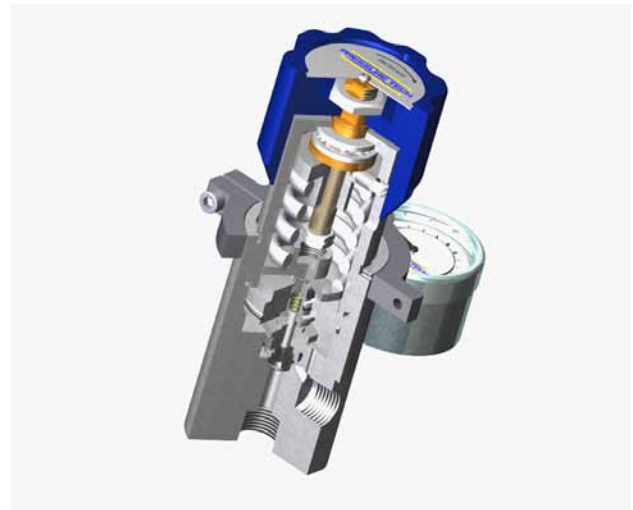


BP-MF690-05 SERIES

'Medium Flow' Back Pressure Regulator for liquid or gas applications with Cv 0.5 . 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), this accurate regulator controls inlet pressure and vents excess pressure back via the threaded 1/2" NPT outlet port.

FEATURES:

- 690bar/10,000psi inlet pressure
- Metal to metal seating for liquid and PEEK seating for Gas
- Precision machined sensing elements
- 3 Sensor ranges for combination of low torque and high sensitivity
- Captured outlet port
- Optional 316SS Panel mounting ring

APPLICATIONS:

Chemical injection systems
Valve test rigs
Liquid sampling
Supercritical liquid

STANDARD MATERIALS OF CONSTRUCTION

Regulator part	Material
Body	316SS
Bonnet	316SS
Main valve	Alloy 718
Seat	Liquid: 17-4PH SS Gas: PEEK
Valve spring	302SS
Sensor and Holder	316SS
Handwheel	Nylon
Baffle Plate	316SS
Spring rests	316SS
'O' ring seals	NBR, Viton or EPDM
Adjusting screw	Alu Bronze
Loading Spring	Spring Steel
Lubricant	Krytox GPL 205

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INSTALLATION DIMENSIONS

SPECIFICATION :

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

ORDERING INFORMATION:

BPMF690G - 5 - S - 414S - N - 04N - Z

Basic Model	_____	Porting configuration	_____
BPMF690G - Gas		Refer office	
BPMF690H - Hydraulic			
Cv Value	_____	Inlet/outlet connections	_____
5 - 0.5		04N - ½"NPT	
Body material	_____	O Ring	_____
S - 316SS		N - NBR	
Inlet ranges (Examples*)	_____	V - FKM/FPM	
50S - 0 - 50bar		E - EPDM	
100S - 0 - 100bar		K - FFKM/FFPM	
200S - 0 - 200bar			
414S - 0 - 414bar			
690S - 0 - 690bar			
140A - 0 - 140bar (Air actuated)			
600A - 0 - 600bar (Air actuated)			

Optional Panel Mounting Ring: PT-C-061-003

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