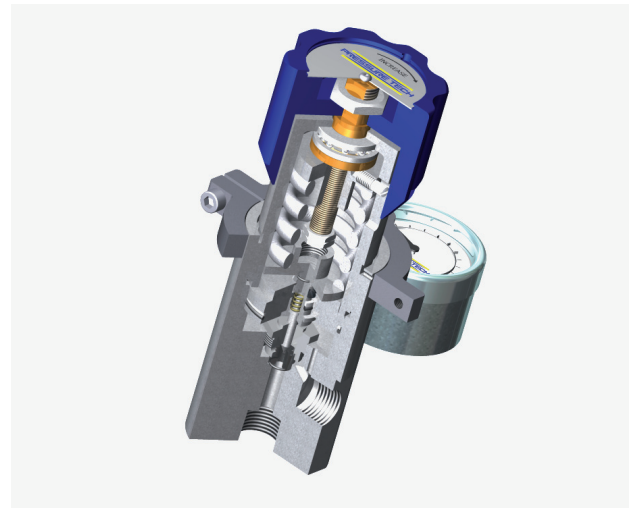


BP-MF690-05 SERIES

'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	Al 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	4.5 mm
Weight	Approx 3.4kg (7.5lbs)

ORDERING INFORMATION:

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

Basic Model _____
 BPMF690G - Gas
 BPMF690H - Hydraulic

Cv Value _____
 5 - 0.5

Body material _____
 S - 316SS

Inlet ranges (Examples*) _____
 50S - 0 - 50bar
 100S - 0 - 100bar
 200S - 0 - 200bar
 414S - 0 - 414bar
 690S - 0 - 690bar
 140A - 0 - 140bar (Air actuated)
 600A - 0 - 600bar (Air actuated)

Porting configuration
 Refer office

Inlet/outlet connections
 04N - 1/2"NPT

O Ring
 N - NBR
 V - FKM/FPM
 E - EPDM
 K - FFKM/FFPM

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

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