

BP-MF690-15 SERIES - 'MEDIUM FLOW' BACK PRESSURE REGULATOR FOR LIQUID OR GAS APPLICATIONS WITH CV 1.5 PISTON SENSED



SPECIAL FEATURES

- Inlet control range to 310 bar
- NEW ceramic seating for liquid & PEEK seating for Gas
- Precision machined sensing element
- Captured outlet port
- Optional flanged connections
- Optional 316SS Panel mounting ring

DESCRIPTION

The BP-MF690 is a back pressure regulator for gas or liquid applications suited for typical low flow applications to xx lpm (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.

APPLICATION

- Chemical injection systems
- Valve test rigs
- Methanol Injections systems
- Supercritical liquid



TECHNICAL DATA

Max rated WP pressure	690 bar (10,000 psi)
Inlet ranges	up to 310 bar (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	4,5 kg (10 lbs)

STANDARD MATERIALS OF CONSTRUCTION

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

NOTE: 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.

ORDER CODE

Basic Model	Cv Value	Body material	Outlet ranges (Examples*)	O Ring	Inlet/outlet connections	Porting configuration
BPMF690G	15	SS	200S	N	04N	N
BPMF690G - Gas	15 - 1.5	SS - 316SS	50S: 0-50 bar/0-726 psi 100S: 0-100 bar/0-1451 psi 200S: 0-200 bar/0-2901 psi 320S: 0-320 bar/0-4641 psi	N - NBR V - Viton E - EPDM K - FFKM/FFPM	04N - 1/2"NPT 06N - 3/4"NPT 08N - 1"NPT 06WF - 3/4" Weld flange 08WF - 1" Weld flange	Check Page 47 = Gauge Port locations
BPMF690H - Hydraulic						

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