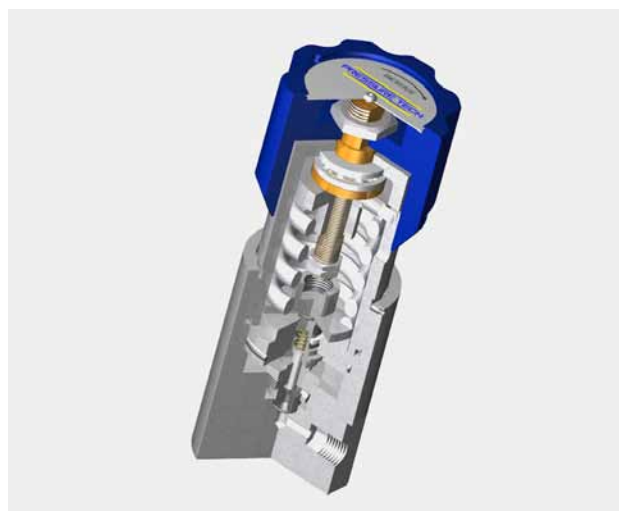


BP-LF690 SERIES

**'Low Flow' Back Pressure Regulator for liquid or gas applications
Piston Sensed for inlet control to 690bar / 10000psi**



The BP-LF690 is a back pressure regulator for gas or liquid applications suited for typical low flow applications to 10lpm (liquid), this accurate regulator controls inlet pressure and vents excess pressure back via the threaded 1/4" 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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BP-LF690 SERIES

'Low Flow' Back Pressure Regulator for liquid or gas applications
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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:

BPLF690G – 1 – S – 414S – N – 02N – N

Basic Model	Porting configuration
BPLF690G - Gas	Refer office
BPLF690H - Hydraulic	
Cv Value	Inlet/outlet connections
1 – 0.1	04N – ½"NPT
	03N – ¾"NPT
Body material	O Ring
S – 316SS	N - NBR
	V – FKM/FPM
Inlet ranges (Examples*)	E - EPDM
50S – 0 – 50bar	K – FFKM/FFPM
100S – 0 – 100bar	
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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