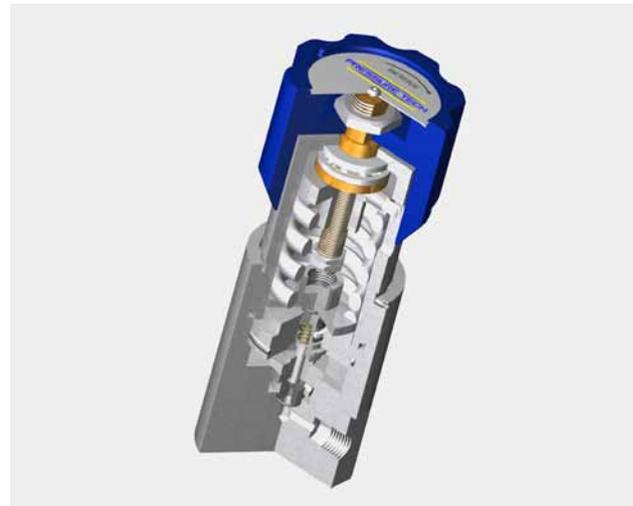


BP-LF690 SERIES

'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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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	_____	_____	_____	_____	_____
BPLF690G - Gas					
BPLF690H - Hydraulic					
Cv Value	_____	_____	_____	_____	_____
1 - 0.1					
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 03N - 3/8"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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