BP-LF691 Datasheet

LOW-FLOW BACK PRESSURE REGULATOR



Gas	Liquid	Diaphragm	
Gas		Diapriragini	

Max Rating: 1,034 bar (15,000 psi)

Control Range: 900 bar (13,050 psi)

Cv 0.1



Piston

INTRODUCING THE BP-LF691...

The BP-LF691 is a piston-sensed low-flow back pressure regulator for gas or liquid applications. As standard, the gas version uses a PEEK[™] seat, whilst the liquid version features 316SS seating. Alternatively, other seats are available to suit your application including Tecasint (for pressures above 690 bar), Titanium, Vespel[®] and Hastelloy[®].

The BP-LF691 accurately controls inlet pressure and vents excess pressure back via the threaded 1/2" NPT/BSPP or 9/16" MP outlet port.

SPECIFICATION

Max. Rating	1,034 bar (15,000 psi)
Control Range	Up to 900 bar (13,050 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	2.9kg (6.4lbs)

FEATURES AND BENEFITS



Perfect for use in challenging conditions.



Covers a wide range of applications.

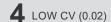
STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Rody and Pannat	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
Body and Bonnet	ASTM 17-4 Stainless Steel
	(UNS S17400)
Main Valve Pin	Inconel® 718 (UNS N07718)
Seat	PEEK™ (450G)
Seal	ASTM A479 316/316L Stainless Steel
Valve Spring	Phynox [®] (R30003)
Piston	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
Handwheel	Nylon
O Dingo	NBR N70 (Nitrile Buna N)
O-Rings	FKM/FPM (Viton)
Loading Spring	ASTM A240 301 Stainless Steel (UNS S30100)

Note: Pressure regulator rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure or temperature requirements.

3 OPTIONAL AIR ACTUATOR

Fine remote adjustment.



Accurate control of process media.

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 Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.

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BP-LF691 Datasheet LOW-FLOW BACK PRESSURE REGULATOR



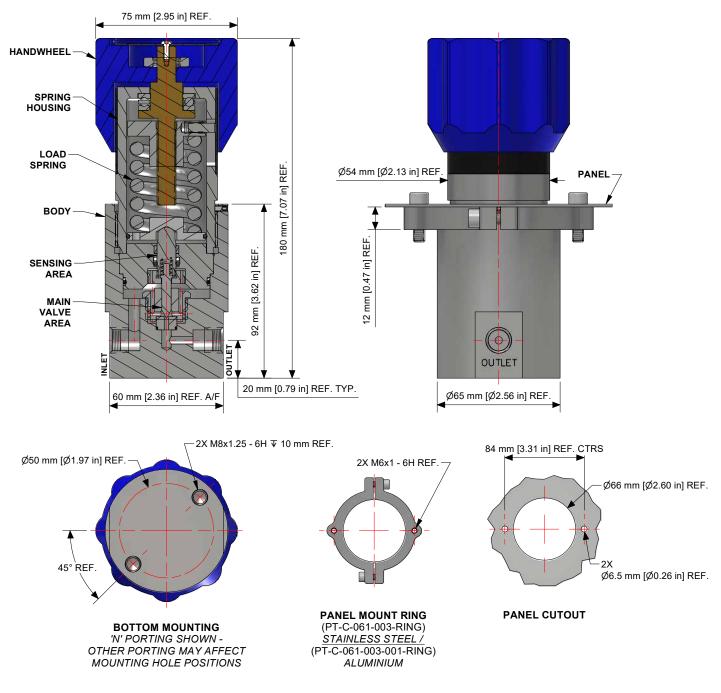
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	🖲 Gas 🛛 💿 Liqu	uid Diaphragm • Piston	Max Rating: 1,034 bar (15,000 psi)	Control Range: 900 bar (13,050 psi)	Cv 0.1
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option and standard configurations only - contact the office for other options.



Note: All gauge ports are 1/4" NPT as standard.

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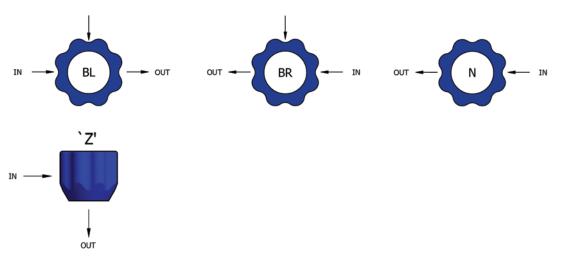


• Gas • Liquid	 Diaphragm Pisto 	Max Rating: 1,034 bar (15,000 psi)	Control Range: 900 bar (13,050 psi)	Cv 0.1

FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Note:

Additional porting configurations are available - please contact the office for further information.

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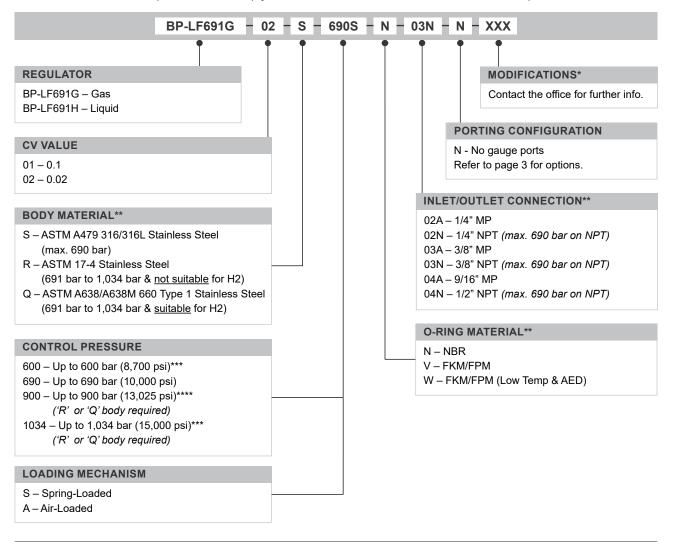
LOW-FLOW BACK PRESSURE REGULATOR



• Gas	• Liquid	Diaphragm	Piston	Max Rating: 1,034 bar (15,000 psi)	Control Range: 900 bar (13,050 psi)	Cv 0.1
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ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



	PART NUMBER	DESCRIPTION	
Service Kit	SRK-BP-LF691	Various options available	
Panel Mounting Ring	PT-C-061-003-RING	Stainless Steel panel mount ring	

Note: Ancillary equipment also available

TRADEMARK: Hastelloy[®] is a registered trademark of Haynes International, Inc Inconel[®] is a registered trademark of Inco Alloys International PEEK[™] is a trademark of Victrex PLC Phynox[®] is a registered trademark of Imphy Ugine Precision Vescel[®] is a registered tradement of DuPont * Where applicable

- ** Other materials/connections may be available
- *** Air-loaded only
- **** T-Bar adjustment/long bonnet

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