

LF-692 Series

'Low Flow' Gas Reducing Regulator Piston Sensed
for outlet control to 1380bar / 20000psi
PEEK or TECASINT seats for positive shut off on gas applications



Product Overview

The LF-692 uses high engineered plastics to provide positive shut off on high pressure gases. The unique seating cartridge provides a dampening action on this critical component to prevent 'chattering' or 'unstable frequency resonance'. The regulator is self relieving with segregated captured vent to pipe gases away to a safe area or recycle within the process. The seating area can easily be accessed from the base of the regulator for speedy servicing in situ.

Applications

- Hydrogen fuel cells
- Valve actuator systems
- Valve test rigs
- Gas sample lines

Features

- 690bar/10,000psi inlet pressure as standard
- PEEK or TECASINT POLYIMIDE seating options
- Precision machined sensing elements
- 5 Sensor ranges for combination of low torque and high sensitivity
- Segregated captured vent 316SS Panel mounting rings
- Optional materials for 1350bar/20,000psi control

Standard materials of construction

Regulator part	Material
Body	316SS or 17-4PH SS
Bonnet	316SS
Main valve	316SS
Seat	PEEK or TECASINT
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
Bottom Nut	316SS
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. **pg 1 of 2**



DESIGNED AND BUILT IN THE UK



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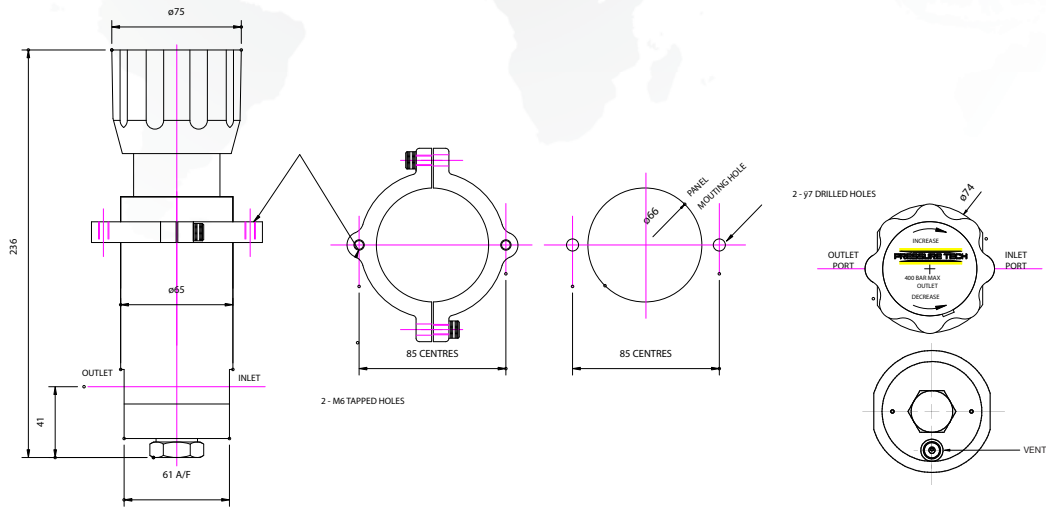
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Drawing and Installation Dimensions



Specification

Max rated inlet pressure	1380bar / 20,000psi
Max Outlet ranges	Piston: 1380bar / 20,000psi
Design proof pressure	150% max WP
Leakage	Bubble tight shut off
Weight	Approx 4kg / 9lbs

Ordering Information:

LF692 - 01 - S - 862S - N - 03A - N - SV - MOD (OPTIONS)

Basic Model
LF692

Cv Value
01 - 0.1
05 - 0.05

Body material
S - 316SS (690bar)
R - 17-4PH (1380bar inlet)

Outlet ranges
50S: 0 - 50bar
100S: 0 - 100bar
200S: 0 - 200bar
414S: 0 - 414bar
690S: 0 - 690bar
862S: 0 - 862bar
1034S: 0 - 1034bar
1380S: 0 - 1380bar
140A: 0 - 140bar (Air actuated)
600A: 0 - 600bar (Air actuated)
1034A: 0 - 1034bar (Air actuated)

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

Refer to office for details

Venting Options
SV - Self Venting
NV - Non Venting

Porting configuration
Refer office

Inlet/outlet connections
02N - 1/4" NPT (Max 690bar)
03N - 3/8" NPT (Max 690bar)
04N - 1/2" NPT (Max 690bar)
03A - 3/8" Medium Pressure
04A - 9/16 Medium Pressure

O Ring
N - NBR
V - Viton
E - EPDM
H - Hydrogenated Buna

NOTE: Pressure Tech reserve the right to amend dimensions and product detail as part of our commitment to achieve product realisation. Product selection is based on compatibility information and any prior user experience. Unless otherwise and specifically agreed, Pressure Tech cannot guarantee the suitability of product on individual applications, and this remains the users responsibility. **pg 2 of 2**



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