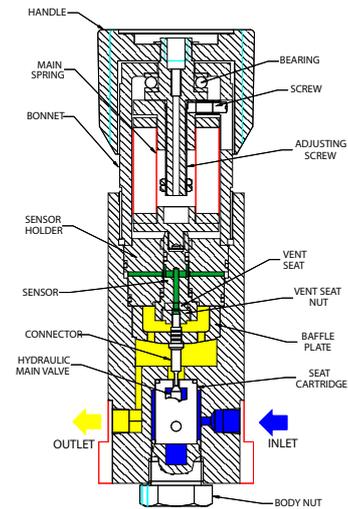


# LF-690 SERIES

**'Low Flow' Hydraulic Reducing Regulator Piston Sensed for outlet control to 1380bar / 20000psi  
Now with ceramic seating as standard**



\*Assembly drawing for reference only. Refer to office for specific detail.

The LF-690 uses Ceramic Seating to provide ultimate protection against the harsh service encountered on hydraulic services. 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 prevent deterioration to the loading mechanism and making the regulator cleaner to service. The seating area can easily be accessed from the base of the regulator for speedy servicing in situ.

## APPLICATIONS:

- Wellhead logic and control systems
- Subsea valve actuator control
- Valve test rigs
- Liquid sampling
- Hydraulic Power Packs

## FEATURES:

1380bar/20,000psi inlet pressure  
Ceramic seating for ultimate resistance against cavitation and erosion. Precision machined sensing elements. 5 Sensor ranges for combination of low torque and high sensitivity. Segregated captured vent  
316SS Panel mounting rings

## STANDARD MATERIALS OF CONSTRUCTION

Regulator part	Material
Body	316SS or 17-4PH SS
Bonnet	316SS
Main valve	Ceramic TX2000
Seat	Ceramic TX3000
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

PRESSURE TECH LTD, Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire SK13 1QH  
Tel: +44 (0)1457 899307 Fax: +44 (0)1457 899308  
e-mail: info@pressure-tech.com



[www.pressure-tech.com](http://www.pressure-tech.com)

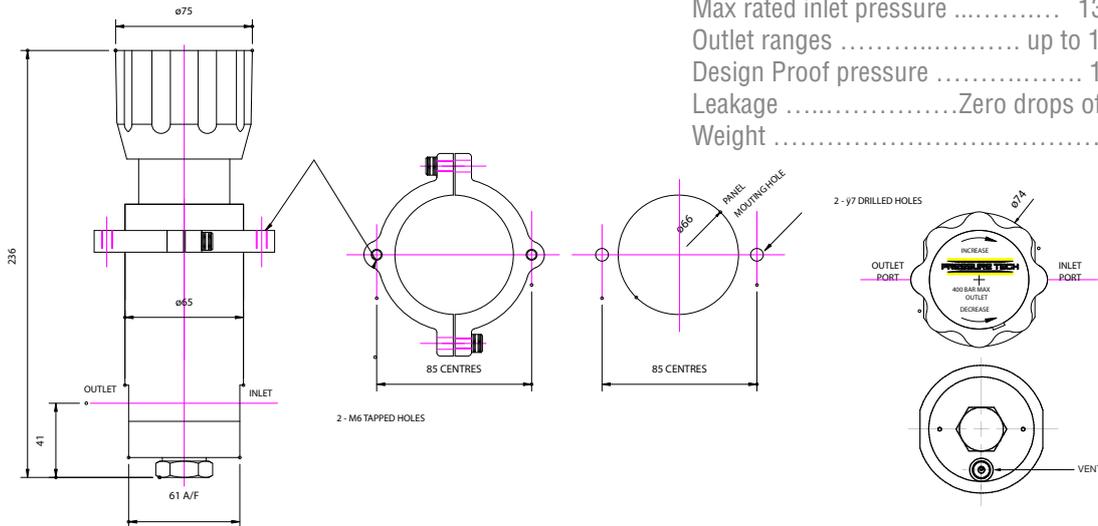
Designed and built in the UK



# LF-690 SERIES

'Low Flow' Hydraulic Reducing Regulator Piston Sensed for outlet control to 1380bar / 20000psi  
Now with ceramic seating as standard

## INSTALLATION DIMENSIONS:



## SPECIFICATION :

Max rated inlet pressure ..... 1380bar (20,000psi)  
 Outlet ranges ..... up to 1380bar (20,000psi)  
 Design Proof pressure ..... 150% max WP  
 Leakage ..... Zero drops of water at max inlet  
 Weight ..... 4.8kg (11lbs)

## ORDERING INFORMATION:

LF690 - 01 - S - 414S - N - 02N - N - SV - MOD (OPTIONS)

Basic Model \_\_\_\_\_  
 LF690 - (690bar)  
 LF691 - (1034bar)

Cv Value \_\_\_\_\_  
 01 - 0.1  
 05 - 0.05

Body material \_\_\_\_\_  
 S - 316SS

Outlet ranges (Examples\*) \_\_\_\_\_

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

MOD:- 034 1380 rating

Venting Options  
 SV - Self Venting  
 NV - Non Venting

Porting configuration  
 Refer office

Inlet/outlet connections

02N - 1/4" NPT  
 03N - 3/8" NPT  
 04N - 1/2" NPT  
 03A - 3/8" Medium Pressure  
 04A - 9/16" Medium Pressure

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

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

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 2 of 2