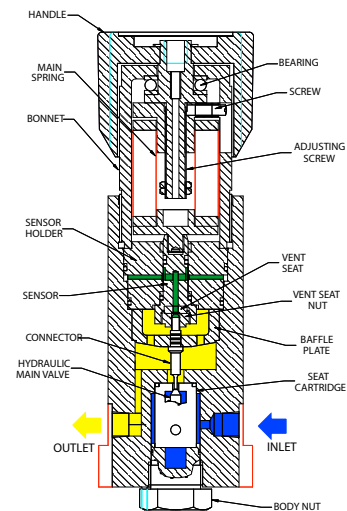


# LF-690 SERIES

'Low Flow' Hydraulic Reducing Regulator Piston Sensed for outlet control to 830bar / 12000psi



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

The LF-690 uses a Tungsten Carbide main valve and 17-4PH SS seat to provide ultimate protection against the harsh service encountered on hydraulic services\*. The unique seating action 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:

690bar/10,000psi inlet pressure  
 Metal to metal seating for ultimate resistance against cavitation and erosion\*. Precision machined sensing elements. 3 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	Tungsten Carbide*
Seat	17-4PH SS*
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

\* 018 to 020 modifications feature ceramic components and stainless steel main valve.

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

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

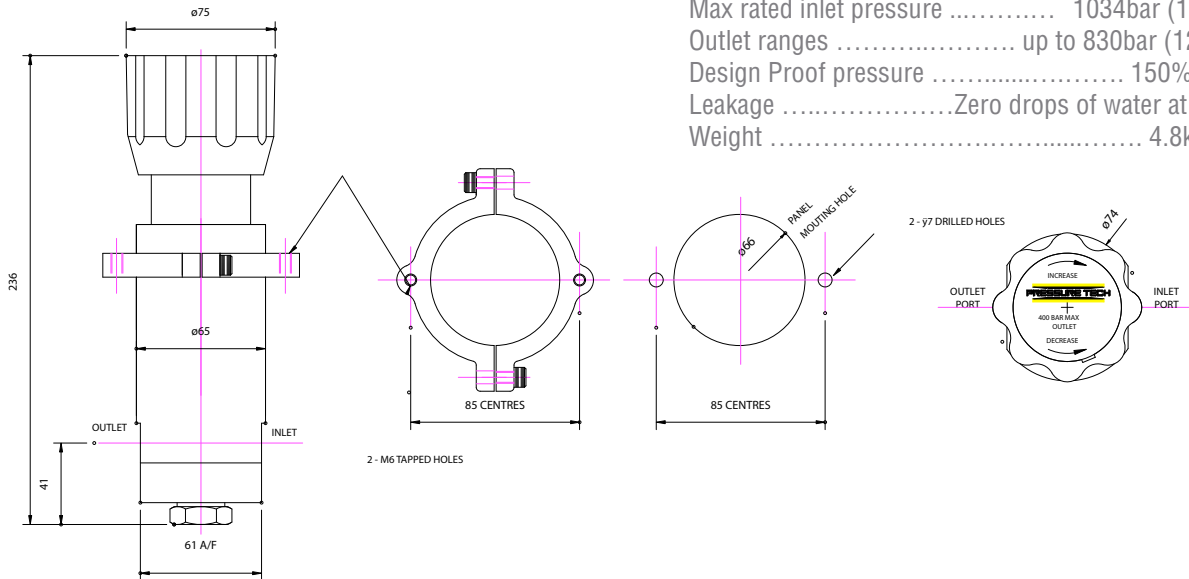
Designed and built in the UK



# LF-690 SERIES

'Low Flow' Hydraulic Reducing Regulator Piston Sensed for outlet control to 830bar / 12000psi

## INSTALLATION DIMENSIONS:

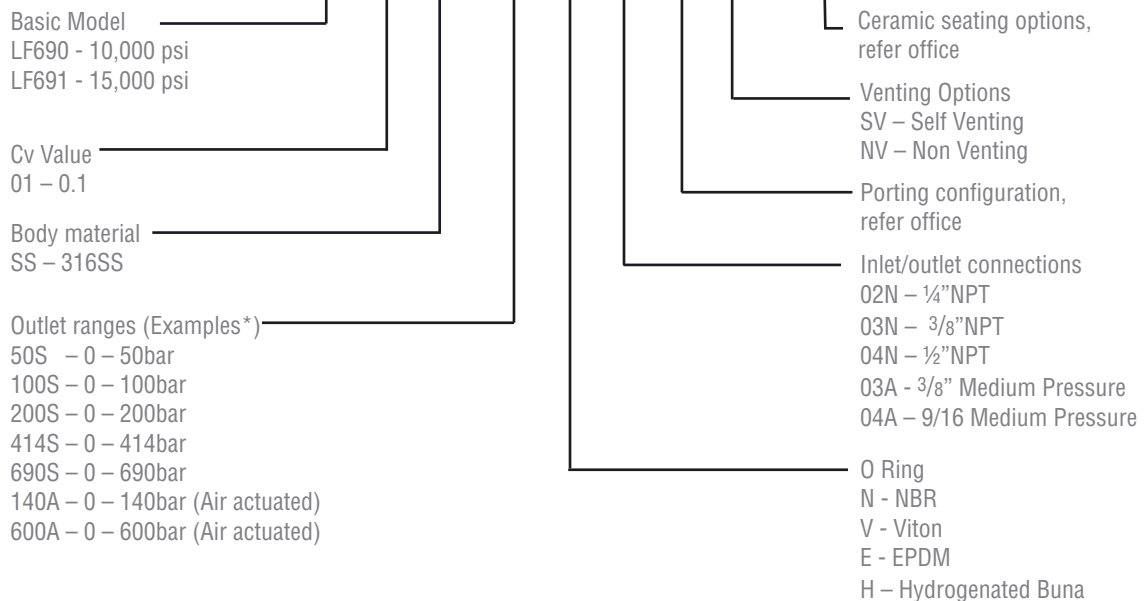


## SPECIFICATION :

Max rated inlet pressure ..... 1034bar (15,000psi)  
 Outlet ranges ..... up to 830bar (12,000psi)  
 Design Proof pressure ..... 150% max WP  
 Leakage ..... Zero drops of water at max inlet  
 Weight ..... 4.8kg (11lbs)

## ORDERING INFORMATION:

LF690 - 01 - SS - 414S - N - 02N - N - SV - 018 TO 020



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