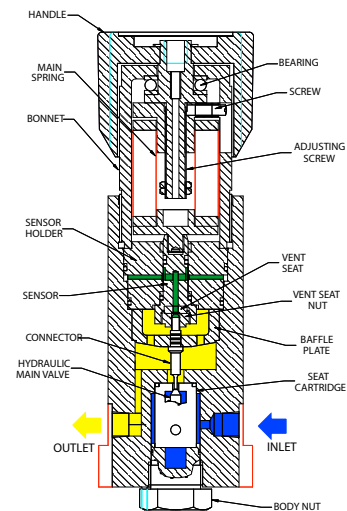


LF-690 SERIES

'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

PRESSURE TECH LTD, Unit 3, Rossington Place, Hadfield, Glossop, Derbyshire SK13 1QG
 Tel: +44 (0)1457 899307 Fax: +44 (0)1457 899308
 e-mail: info@pressure-tech.com

www.pressure-tech.com



Haldatec
 Phone: +61-3-9872-5822 Fax: +61-3-9872-5129
 E-mail: sales@haldatec.com.au Web Site: www.haldatec.com.au

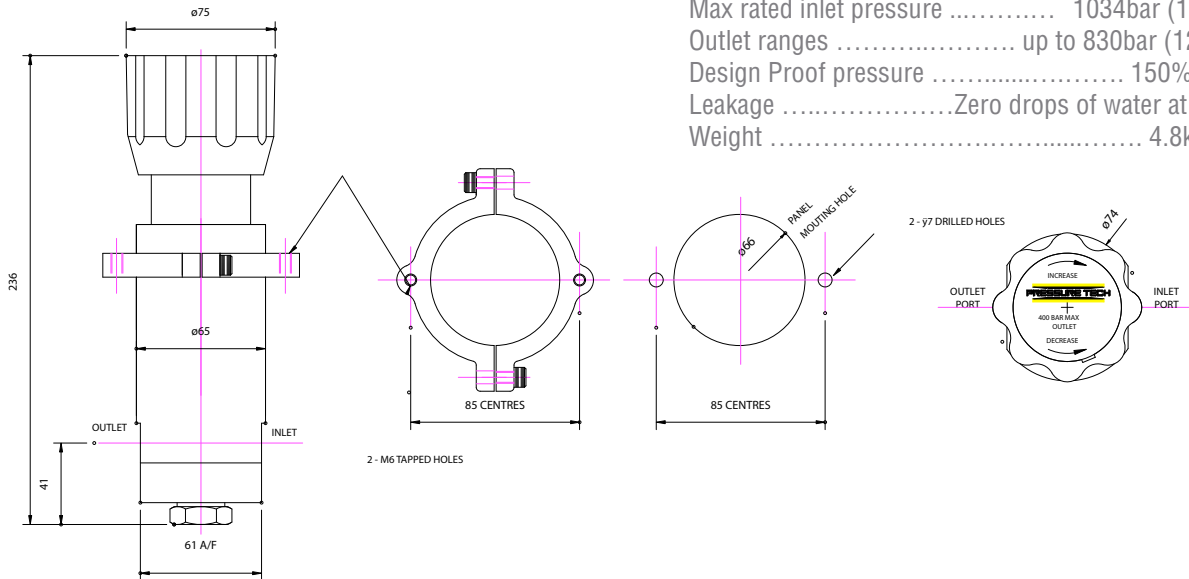
Designed and built in the UK



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

Basic Model
 LF690 - 10,000 psi
 LF691 - 15,000 psi

Cv Value
 01 - 0.1

Body material
 SS - 316SS

Outlet 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)

Ceramic seating options,
 refer office

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

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

PRESSURE TECH LTD, Unit 3, Rossington Place, Hadfield, Glossop, Derbyshire SK13 1QG
 Tel: +44 (0)1457 899307 Fax: +44 (0)1457 899308
 e-mail: info@pressure-tech.com

www.pressure-tech.com



Haldatec
 Phone: +61-3-9872-5822 Fax: +61-3-9872-5129
 E-mail: sales@haldatec.com.au Web Site: www.haldatec.com.au

Designed and built in the UK

