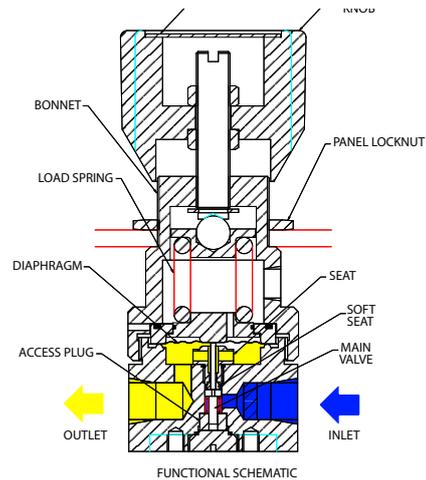


LF-300 SERIES

'Low Flow' Pressure Reducing Regulator Diaphragm Sensed for outlet control to 35bar / 500psi



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

The LF-300 has been designed with quality and reliability in mind, with genuinely unique features designed into this single stage regulator. Finite Element Analysis, combined with physical cycle tests, created an Inconel X750 diaphragm that lasts 50% longer than a typical stainless steel designs. The metal diaphragm means that leak integrity is maintained, and that no sample media is absorbed by the sensing element – reducing purge times between sample analysis. A Brass machined Washer also ensures no torsional load is applied to the diaphragm during assembly.

APPLICATIONS:

- Gas and Liquid Analyzer Systems
- Gas Cylinder Regulator Assemblies
- Portable Calibration Kits
- Laboratories & Research Labs
- Low Pressure Hydraulic Systems

FEATURES:

Metal to metal diaphragm sealing
 Sealing area protected and centralized on the body of the regulator
 Lightweight compact design
 Strong and sensitive diaphragm element
 High Accuracy

STANDARD MATERIALS OF CONSTRUCTION

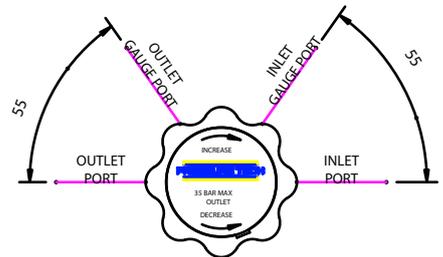
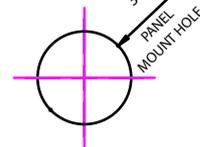
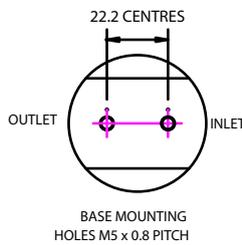
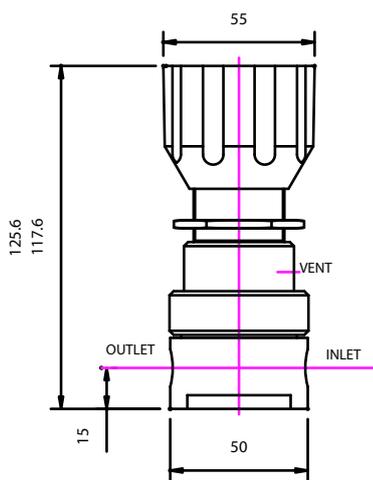
Regulator part	Material
Body and Bonnet	316SS
Main valve pin	316SS
Soft seat cone	PEEK or PCTFE
Valve spring	Inconel X750
Diaphragm	Inconel X750
Handwheel	Nylon
Diaphragm washer	Brass
Spring rests	316SS
'O' ring seals	Viton
Adjusting screw	Alu Bronze
Loading Spring	302SS

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

LF-300 SERIES

'Low Flow' Pressure Reducing Regulator Diaphragm Sensed for outlet control to 35bar / 500psi

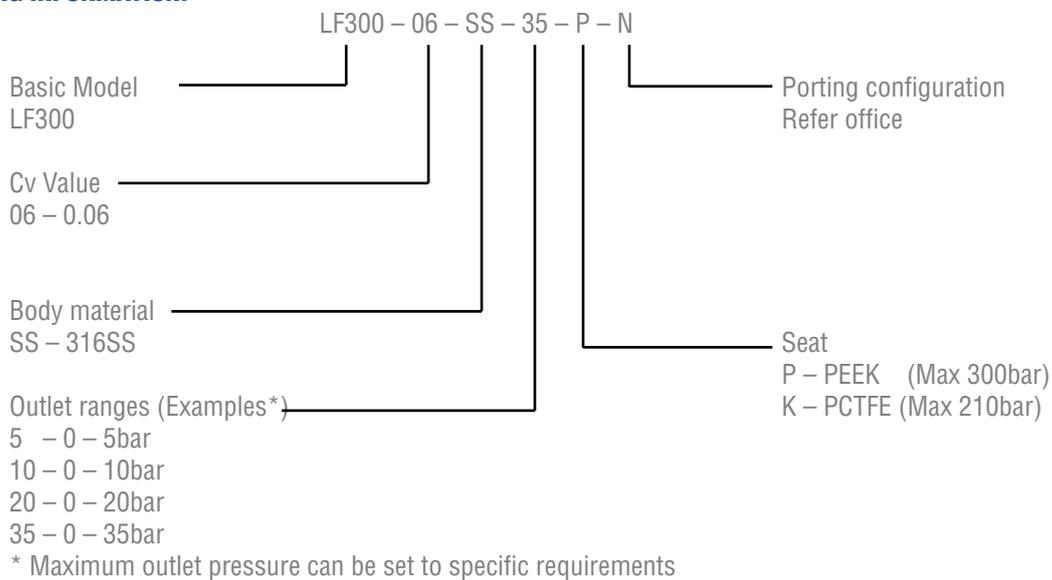
INSTALLATION DIMENSIONS:



SPECIFICATION :

Max rated inlet pressure ...300bar (4350psi) with PEEK seat
 Outlet ranges up to 35bar (500psi)
 Design Proof pressure 150% max WP
 Leakage Bubble tight at max WP (tested on Nitrogen)
 Weight 0.9kg (2lbs)

ORDERING INFORMATION:



Panel Mounting Ring: PT-C-024

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