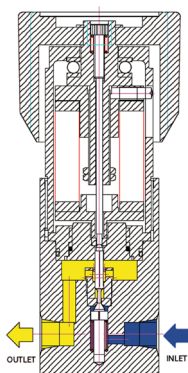


LF-540 SERIES - 'LOW FLOW' PRESSURE REGULATOR PISTON SENSED FOR OUTLET CONTROL TO 414BAR / 6000PSI



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

SPECIAL FEATURES

- 550 bar / 8000 psi inlet pressure
- Economical Design
- Precision machined sensing elements
- Load bearings and large handwheel for low torque adjustment
- Excellent sensitivity
- Self venting and non venting options

DESCRIPTION

A compact and economical high pressure regulator with precision machined sensing elements to allow fine pressure control on pressures up to 414 bar, which can be supplied as none venting or self venting (none adjustable).

APPLICATION

- Test and calibration systems
- Aircraft charging carts
- Valve Actuator Systems
- Gas Cylinder Regulator Assemblies

TECHNICAL DATA

Max rated inlet pressure	550 bar (8000 psi)
Outlet ranges	up to 414 bar (6000 psi)
Design Proof pressure	150% max WP
Leakage	Bubble tight at max WP (tested on Nitrogen)
Weight	2.1 kg (4.62 lbs)

STANDARD MATERIALS OF CONSTRUCTION

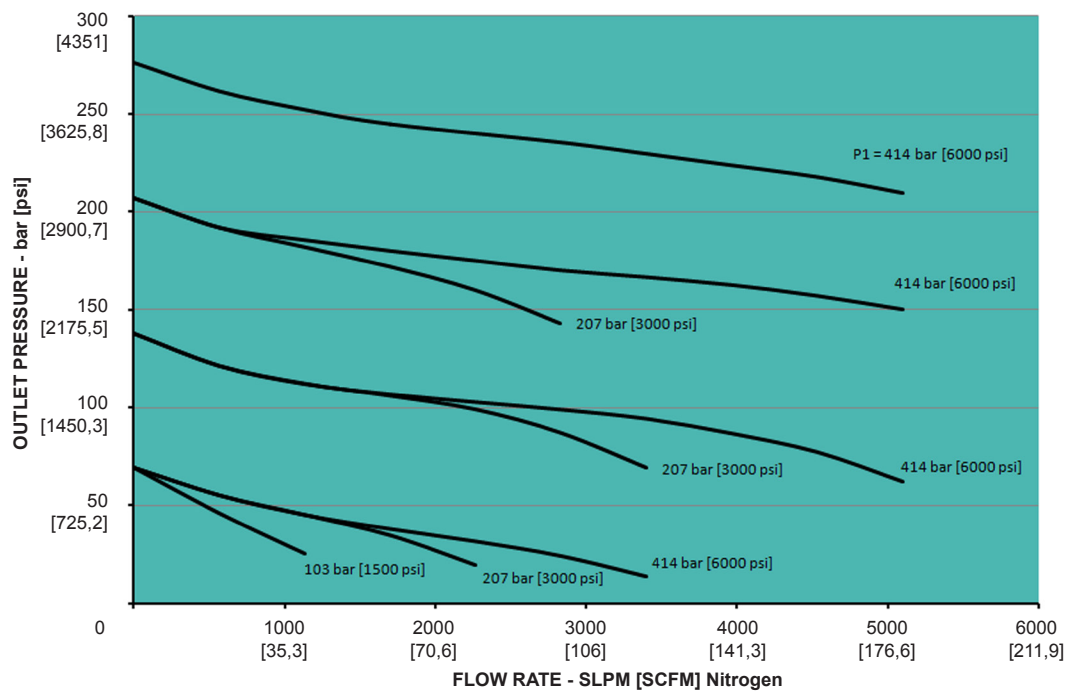
Body and Bonnet/Main valve pin	316SS
Seat	PEEK GF30
Valve spring	Inconel X750
Sensor and Holder	316SS
Handwheel	Nylon
Valve Cage and Seat Nut/Spring rests	316SS
'O' ring seals	NBR, Viton or EPDM
Adjusting screw	Alti Bronze
Loading Spring	302SS
Lubricant	Krytox GPL 205

NOTE: Product availability and specifications contained here in are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues.

ORDER CODE

Basic Model	Cv Value	Body material	Outlet ranges (Examples*)	O ring seals	Inlet/outlet connections	Porting configuration	Venting Options
LF540	01	SS	414S	N	02N	N	SV
LF540	01 – 0.1 02 – 0.2	SS – 316SS	50S: 0-50 bar/0-726 psi 100S: 0-100 bar/0-1451 psi 200S: 0-200 bar/0-2901 psi 414S: 0-414 bar/0-6005 psi	N - NBR V - Viton E - EPDM	02N – 1/4"NPT 03N – 3/8"NPT	Check Page 47 = Gauge Port locations	SV – Self Venting NV – Non Venting

PERFORMANCE CHARTS



INSTALLATION DIMENSIONS:

