

Normally open, modulating element with pilot source from port 1

Capacity:
30 gpm (120 L/min.)

Functional Group:

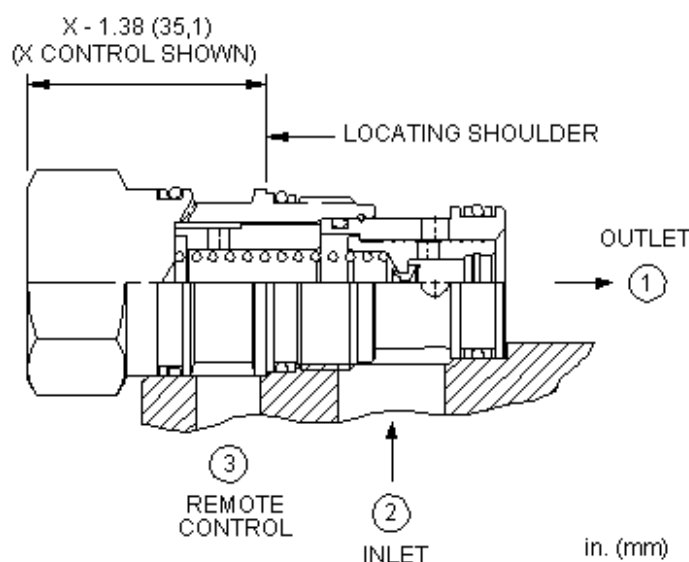
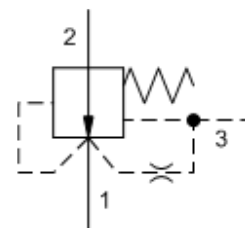
Products : Cartridges : Logic Element : Modulating : Normally Open, Pilot Source from port 1

Model:

LPFA

Product Description

These normally open modulating elements with an internal orifice between port 1 and port 3 can be used as a main-stage reducing valve. The valve can be controlled remotely using a pilot relief or pilot solenoid valve.



Technical Features

- Sun offers a variety of pressure and solenoid pilot control valves than can be used as remote control operators. See Pilot Control Cartridges.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP (see Option Selection below). The bodies of these valves are made from high strength lean duplex stainless steel. Adjustment screws are made from titanium or silicon brass, depending on the model. Lock nuts, retaining wires, and assorted controls are made from 316 stainless steel. Internal parts are made from carbon steel leaded alloy, the same as standard valves.
- An optional tuning adjustment (L control) is offered to vary the pressure drop across the compensator to increase/decrease flow. This option is only available with the D spring option (50 psi [3,5 bar]).
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.
- All ports will accept 5000 psi (350 bar).

Technical Data

	U.S. Units	Metric Units
Cavity	T-2A	
Capacity	30 gpm	120 L/min.
Control Orifice Diameter	.016 in.	0,4 mm
Control Pilot Flow	10 - 15 in ³ /min.	0,16 - 0,25 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series 2	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Seal Kits - Cartridge	Buna: 990-202-007	
Seal Kits - Cartridge	Viton: 990-202-006	
Model Weight	0.51 lb.	0.23 kg.

LPFA-XHN**Control****Bias Pressure****Seal Material****Material/Coating
Modifier****Standard Options****Standard Options****Standard Options****Preferred Options**

L Tuning Adjustment
X Not Adjustable

D 50 psi (3,5 bar)
H 200 psi (14 bar)

N Buna-N
V Viton

No modifier (standard material
with no special coating)

Special Options

/AP Stainless Steel, Passivated

Control: X

***Our corrosion resistant product
line is growing! If you are
interested in a corrosion
resistant option for this model,
please contact Sun.***

When the control is L, the range must be D
When the modifier is /AP, the control must be X