

Normally open, modulating element with pilot source from port 1

Capacity:
60 gpm (240 L/min.)

Functional Group:

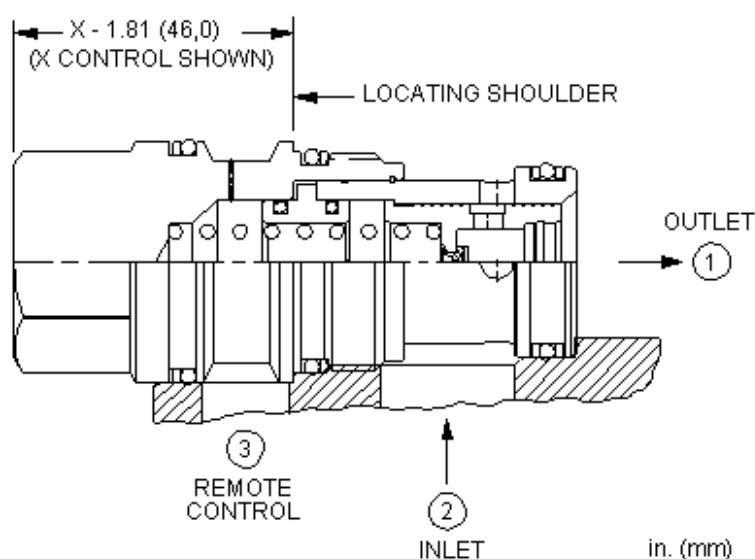
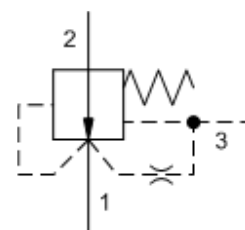
Products : Cartridges : Logic Element : Modulating : Normally Open, Pilot Source from port 1

Model:

LPHA

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-17A	
Capacity	60 gpm	240 L/min.
Control Orifice Diameter	.021 in.	0,53 mm
Control Pilot Flow	15 - 30 in ³ /min.	0,25 - 0,50 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series 3	
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Seal Kits - Cartridge	Buna: 990-017-007	
Seal Kits - Cartridge	Viton: 990-017-006	
Model Weight	1.95 lb.	0.88 kg.

LPHA-XDN**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)
F 100 psi (7 bar)
G 150 psi (10,5 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