



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 DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-17A
Series	3
Capacity	60 gpm
Maximum Operating Pressure	5000 psi
Control Pilot Flow	15 - 30 in ³ /min.
Control Orifice Diameter	.021 in.
Valve Hex Size	1 1/4 in.
Valve Installation Torque	150 - 160 lbf ft
Seal kit - Cartridge	Buna: 990017007
Seal kit - Cartridge	Polyurethane: 990017002
Seal kit - Cartridge	Viton: 990017006
Model Weight	1.16 lb.

CONFIGURATION

X	Control	Not Adjustable
D	Bias Pressure	50 psi (3,5 bar)
N	Seal Material	Buna-N
(none)	Material/Coating	

CONFIGURATION OPTIONS

Model Code Example: LPHAArrray

CONTROL	(X)	BIAS PRESSURE	(D)	SEAL MATERIAL	(N)	MATERIAL/COATING
X Not Adjustable		D 50 psi (3,5 bar)		N Buna-N		Standard Material/Coating
L Tuning Adjustment		F 100 psi (7 bar)		E EPDM		/AP Stainless Steel, Passivated
		G 150 psi (10,5 bar)		V Viton		
		H 200 psi (14 bar)				

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.
- A tuning adjustment (models configured with an L control) is available to vary the pressure drop across the compensator to increase/decrease flow within +/-25% of setting.
- All ports will accept 5000 psi (350 bar).
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- 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.

RELATED MODELS

- [LPHA8](#) Normally open, modulating element with integral T-8A control cavity and pilot source from port 1