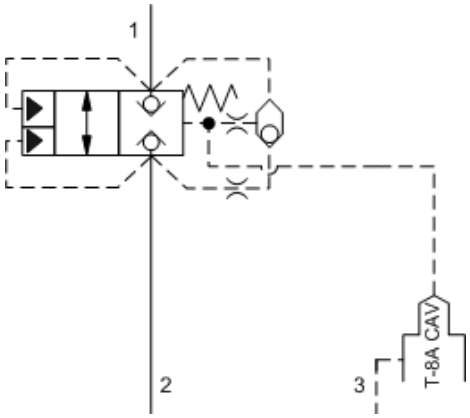
MODEL

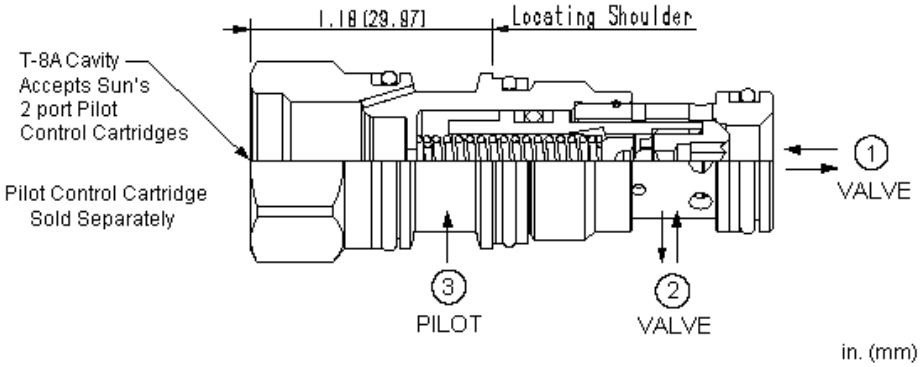
LODD8

Vent-to-open, spring-biased closed, unbalanced poppet logic element with pilot source from port 1 or 2 and integral T-8A control cavity

CAPACITY: 25 gpm / CAVITY: T-11A

sunhydraulics.com/model/LODD8





CONFIGURATION

Cracking Pressure
Seal Material
Material/Coating

This valve is an unbalanced, vent-to-open 2-way logic switching element with an integral pilot control cavity. It is spring biased closed and incorporates an integral shuttle so that the higher of pressures at either port 1 or port 2 can be used as a pilot source. With a pilot 2-way valve in the closed position installed in the T-8A cavity, the logic element will remain in the closed position. With the pilot valve open, the logic element will open providing there is a sufficient combination of pressures to overcome the spring force. The force generated at port 3, plus the spring force, must be greater than the sum of the forces acting at port 1 and port 2 for the valve to remain closed. NOTE: The pilot area (port 3) is 1.8 times the area at port 1 and 2.25 times the area at port 2.

TECHNICAL DATA

Maximum Operating Pressure	5000 psi
Area Ratio, A3 to A1	1.8:1
Area Ratio, A3 to A2	2.25:1
Control Orifice Diameter	.021 in.
Pilot Control Cavity	T-8A
Pilot Volume Displacement	.04 in^3
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	EPDM: 990-011-014
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

NOTES: • Compound cartridge (pilot and main stage) assembly information is provided for reference only. Cartridges must be ordered separately and assembled at point of use.

CONFIGURATION OPTIONS

Model Code Example: LODD8N

CRACKING PRESSURE	(D)
D 50 psi (3,5 bar)	

SEAL MATERIAL	(N)
N Buna-N	
E EPDM	
V Viton	

MATERIAL/COATING	
	Standard Material/Coating
/AP	Stainless Steel, Passivated