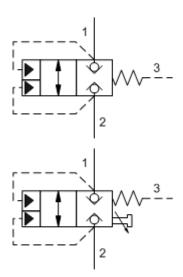
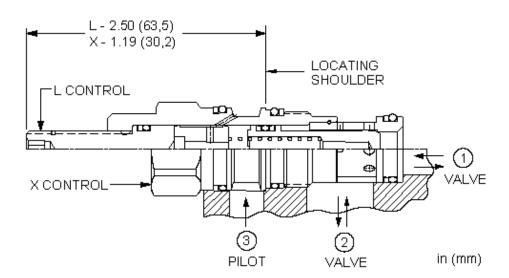
Pilot-to-close, spring-biased closed, unbalanced poppet logic element

CAPACITY: 25 gpm / CAVITY: T-11A



sunhydraulics.com/model/LODC





These unbalanced, pilot-to-close logic valves are 2-way switching elements that are spring biased closed. Pressure at either work port 1 or 2 will oppose the spring and tend to open the valve while pressure at port 3 will tend to close it. 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** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Area Ratio, A3 to A1	1.8:1
Area Ratio, A3 to A2	2.25:1
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.
Pilot Passage into Valve	.031 in.
Pilot Volume Displacement	.04 in <sup>3</sup>
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge Viton: 990-011-006	

## **CONFIGURATION OPTIONS**

CONTROL

Model Code Example: LODCLXN

(L) SEAL MATERIAL

(N) MATERIAL/COATING

L	Stroke Adjustment	N	Buna-N		Standard Material/Coating
K	Handknob	٧	Viton	/AP	Stainless Steel, Passivated
Χ	Not Adjustable			/LH	Mild Steel, Zinc-Nickel

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