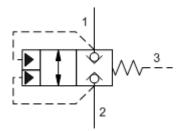
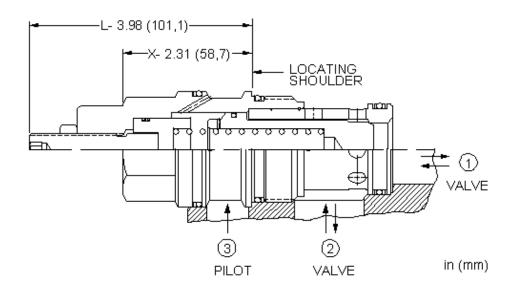
Pilot-to-close, spring-biased closed, unbalanced poppet logic element

CAPACITY: 200 gpm / CAVITY: T-19A



sunhydraulics.com/model/LOJC





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	.09 in.
Pilot Volume Displacement	.42 in ³
Seal kit - Cartridge	Buna: 990-019-007
Seal kit - Cartridge	Polyurethane: 990-019-002
Seal kit - Cartridge	Viton: 990-019-006

(N)

CONFIGURATION OPTIONS CONTROL

Model Code Example: LOJCXN

(X) SEAL MATERIAL

MATERIAL/COATING

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External 1/4 NPTF Pilot Port, Port 3 Blocked

Ν	Buna-N
٧	Viton

Standard Material/Coating

/AP Stainless Steel, Passivated

/LH Mild Steel, Zinc-Nickel

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