

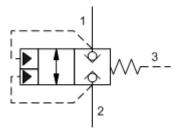


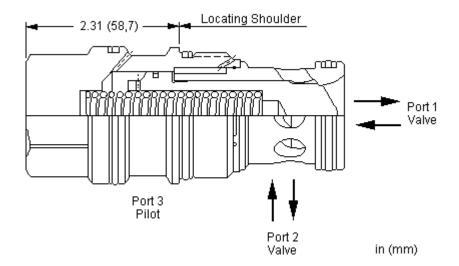
Pilot-to-close, spring-biased closed, unbalanced poppet logic element

CAPACITY: 300 gpm / CAVITY: T-19AU



sunhydraulics.com/model/LOKC





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	.47 in³
Seal kit - Cartridge	Buna: 990-019-007
Seal kit - Cartridge	EPDM: 990-019-014
Seal kit - Cartridge	Polyurethane: 990-019-002
Seal kit - Cartridge	Viton: 990-019-006

## CONFIGURATION OPTIONS CONTROL

Model Code Example: LOKCXN

(X) SEAL MATERIAL

(N) MATERIAL/COATING

X Not Adjustable

 N
 Buna-N
 Standard Material/Coating

 E
 EPDM
 IAP
 Stainless Steel, Passivated

 V
 Viton
 ILH
 Mild Steel, Zinc-Nickel

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