



These unbalanced poppet, logic valves are 2-way switching elements that are spring-biased closed. Pressure at either work port 1 or 2 will further bias the valve to the closed position while pressure at port 3 will tend to open it. The force generated at port 3 must be greater than the sum of the forces acting at port 1 and port 2 plus the spring force for the valve to open. 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.@1000 psi
Pilot Passage into Valve	.06 in.
Pilot Volume Displacement	.15 in ³
Seal kit - Cartridge	Buna: 990-017-007
Seal kit - Cartridge	EPDM: 990-017-014
Seal kit - Cartridge	Polyurethane: 990-017-002
Seal kit - Cartridge	Viton: 990-017-006

CONFIGURATION OPTIONS

Model Code Example: LKHCXN

CONTROL

(X)

SEAL MATERIAL

(N)

MATERIAL/COATING

- X Not Adjustable
- P External 1/4 NPTF Pilot Port, Port 3 Blocked

- N Buna-N
- E EPDM
- V Viton

- Standard Material/Coating
- /AP Stainless Steel, Passivated
- /LH Mild Steel, Zinc-Nickel