



These unbalanced, pilot-to-close logic valves are 2-way switching elements that are spring biased open. Pressure at either work port 1 or 2 will tend to keep the valve open while pressure at port 3 will tend to close 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 close. 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.

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|---|---------------------------|
| 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 in ³ |
| Seal kit - Cartridge | Buna: 990-019-007 |
| Seal kit - Cartridge | Polyurethane: 990-019-002 |
| Seal kit - Cartridge | Viton: 990-019-006 |

CONFIGURATION OPTIONS

Model Code Example: LOKOXN

CONTROL

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

(X) SEAL MATERIAL

- Buna-N
- EPDM
- Viton

(N) MATERIAL/COATING

- Standard Material/Coating
- /AP Stainless Steel, Passivated