



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. This valve incorporates a position switch to provide confirmation that the valve is spring biased to the fully open position.

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) | 1 drops/min. |
| Pilot Passage into Valve | .035 in. |
| Pilot Volume Displacement | .07 in ³ |
| Seal kit - Cartridge | Buna: 990-202-007 |
| Seal kit - Cartridge | Polyurethane: 990-002-002 |
| Seal kit - Cartridge | Viton: 990-202-006 |

CONFIGURATION OPTIONS

Model Code Example: **LOFOZN**

SEAL MATERIAL

(N)

N Buna-N

V Viton