



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 by the pressure at port 3, plus the spring force, must be greater than the sum of the forces generated by the pressures at ports 1 and 2 for the valve to remain closed. This valve incorporates a position switch to provide confirmation that the valve is closed.

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 | .06 in. |
| Pilot Volume Displacement | .25 in ³ |
| Transition leakage at 110 SUS (24 cSt) | 2 in ³ /min.@1000 psi |
| Seal kit - Cartridge | Buna: 990-017-007 |
| Seal kit - Cartridge | Polyurethane: 990-017-002 |
| Seal kit - Cartridge | Viton: 990-017-006 |

CONFIGURATION OPTIONS

Model Code Example: LOGCZDN

NOMINAL CONTROL PRESSURE

(D) SEAL MATERIAL

(N)

D 50 psi (3,5 bar)

N Buna-N

V Viton