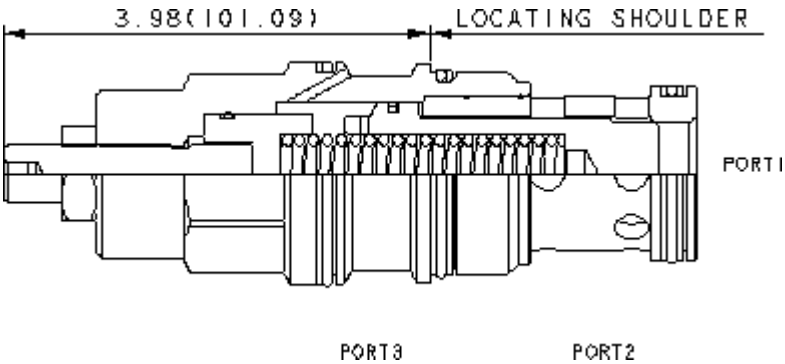


CONFIGURATION

Seal Material



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

Maximum Operating Pressure	1500 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	.42 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: **LOJCLDN**

SEAL MATERIAL

(V)

V	Viton
N	Buna-N