

LLODC

Logic Element

DESCRIPTION

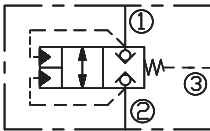
A cartridge-style pilot-to-close, spring biased closed, unbalanced poppet logic element

OPERATION

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.

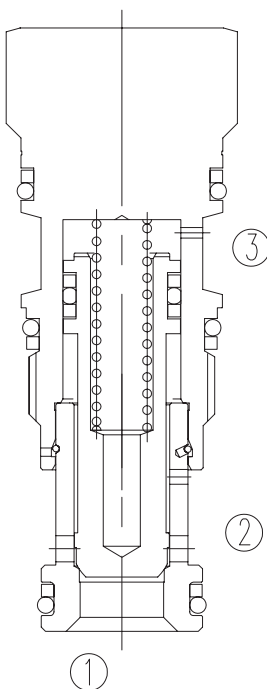
NOTE: The pilot area (port ③) is 1.8 times the area at port ① and 2.25 times the area at port ②.

SYMBOL

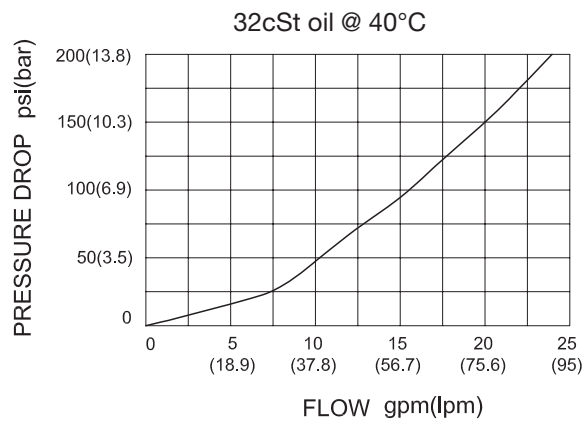


SPECIFICATIONS

Max. Operating Pressure	350bar
Capacity	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	10 drops/min
Temperature	-40°F to +250°F (-40°C to +120°C)
Filtration	See page N-1
Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity	SUN T-11A, See page M-6
Housing Material	Steel & Ductile iron rated to 350bar



PRESSURE DROP VS.FLOW



TO ORDER

L L O D C - * * * - * *

1
2
3
4
5
6
7

1 Function
LLO=Unbalanced Poppet Logic Element

2 Capacity
D=95L/min

3 Pilot Source
C=From Port ③

4 Control
X=Not-adjustable

5 Cracking Pressure
D=50psi(3.5bar)

6 Seal
N=Buna N
V= Viton

7 Port Size
Omit=None
6T=SAE 6
8T=SAE 8
3G=G 3/8
4G=G 1/2

※ See page K-17—K-22 for detail of housing
※ Other port sizes are available

INSTALLATION DIMENSIONS

Unit=Millimeters

H

