

# LLOFC

Logic Element

## DESCRIPTION

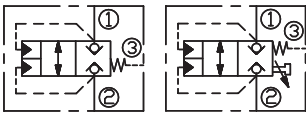
A cartridge-style pilot-to-close, spring biased closed, unbalanced poppet Logic element

## 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.

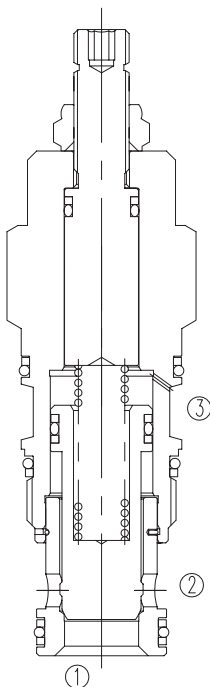
NOTE: The pilot area (port ③) is 1.8 times the area at port ① and 2.25 times the area at port ②.

## SYMBOL

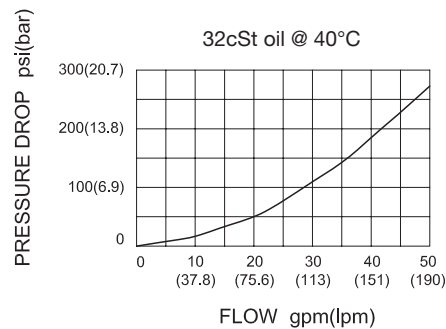


## SPECIFICATIONS

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-2A, See page M-6
Housing Material	Steel & Ductile iron rated to 350bar



## PRESSURE DROP VS.FLOW



## TO ORDER

**LLO F C - \* \* \* - \* \***  










1
2
3
4
5
6
7

<p><b>1 Function</b> LLO=Unbalanced Poppet Logic Element</p>	<p><b>4 Control</b> X=Standard Pilot L=Stroke Adjustment</p>	<p><b>7 Port Size</b> Omit=None 8T=SAE 8 10T=SAE 10 3G=G 3/8 4G=G 1/2</p>
<p><b>2 Capacity</b> F=200L/min</p>	<p><b>5 Cracking Pressure</b> D=50psi(3.5bar)</p>	
<p><b>3 Pilot Source</b> C=From Port ③</p>	<p><b>6 Seal</b> N=Buna N V= Viton</p>	<p>※ See page K-23—K-24 for detail of housing ※ Other port sizes are available</p>

## INSTALLATION DIMENSIONS

Unit=Millimeters

H

