LSV2-10-2 NCRP

2-Way,2-Position,Normally closed
Poppet-type Solenoid Valve

DESCRIPTION

A solenoid operated, 2-way, 2-position, normally closed, poppet-type cartridge valve with reverse flow energized.
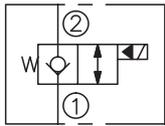
OPERATION

When de-energized, the valve acts as a check valve, allowing flow from ① to ② , while blocking flow from ② to ① .

When energized，the poppet lifts to open the ② to ① flow path. In this mode, flow is also allowed from ① to ②
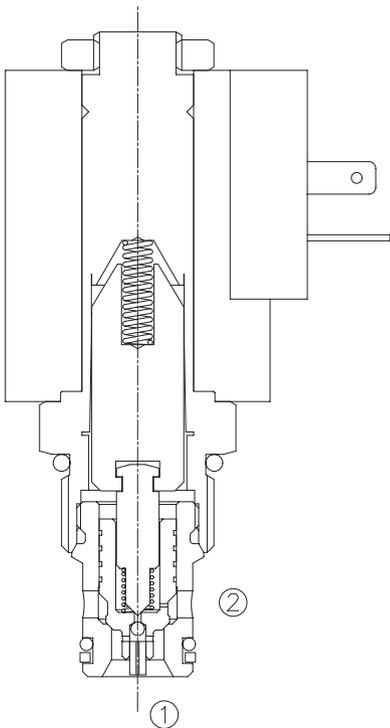
Operation of Manual Override Option

To override, push button in, twist counterclockwise 180°and release. In this position, the valve will remain open in a detented condition. To return to normal operation, push button in , twist clockwise 180°and release. Override will be detented in this position.
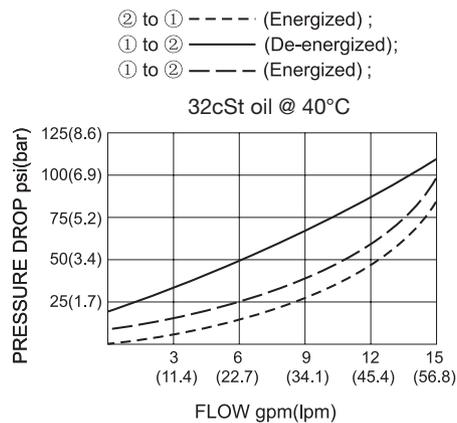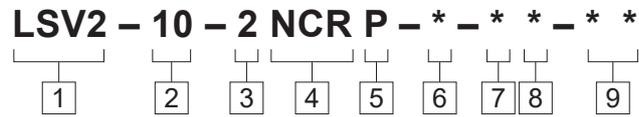
SYMBOL

SPECIFICATIONS

Max.Operating Pressure	207bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	3 drops/min max. at 207bar
Temperature	-40°F to +212°F(-40°C to +100°C)
Coil Duty Rating	Continuous from 85% to 115% of nominal voltage
Filtration	See page N-1
Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity	10-2,See page M-2
Housing Material	
6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar	

PRESSURE DROP VS.FLOW

② to ① - - - - (Energized) ;
① to ② ——— (De-energized);
① to ② — — — (Energized) ;

32cSt oil @ 40°C

LSV2 – 10 – 2 NCR P – * – * * – * *

|1| |2| |3| |4| |5| |6| |7||8| |9|

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1 **Function**
LSV2=Solenoid Valve

2 **Size**
10=10 Size

3 **Flow Path**
2= Size

4 **Style**
NCR=Normally Closed, Reverse Flow Energized

5 **Type**
P=Poppet

6 **Manual Override Options**
Omit=None
M=Manual Override

7 **Coil Voltage**
1=12   VDC
2=24   VDC
3=110   VAC
4=220   VAC
5=10   VDC

8 **Coil Connector Type**
D= Double Lead
H= Hirschmann
C= Conduit
ER= Deutsch Connector(Water-proof Coil)
B= Double Spade

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

※See page K-4 for detail of housing
※Other port sizes are available

INSTALLATION DIMENSIONS

Coil Must Be Installed With Letter Up

Unit=Millimeters

2.4OPEN

Overtorque would result in failure of valves.
(19)HEX
MAX.TORQUE 4.1Nm

Coil Part Number: LC2-10-*

78.7
67.3
31.7

(25.4)HEX
TORQUE 32-35Nm

①   ②

①