LSLV-10

Shuttle Valve

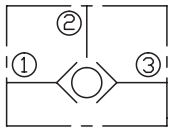
DESCRIPTION

A cartridge-style ball-type shuttle valve

OPERATION

The valve will allow flow from the higher pressure of port ① or ③ to the port ② . The valve is commonly used to direct oil from the pressure side of a bidirectional hydraulic motor to a pressure-released hydraulic brake.

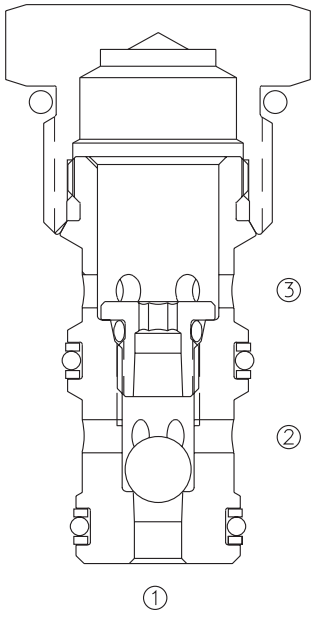
SYMBOL

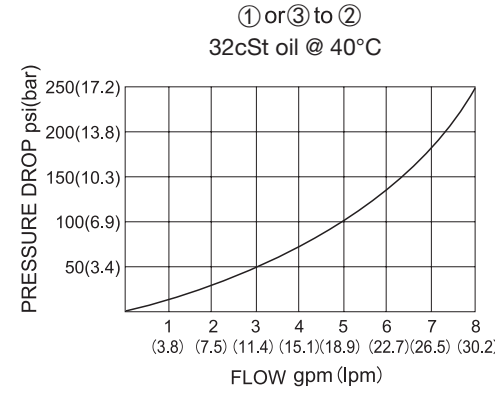


SPECIFICATIONS

Operating Pressure	240bar
Proof Pressure	390bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	5 drops/min max. at 207bar
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	10-3, See page M-2
Housing Material	6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar

PRESSURE DROP VS.FLOW





TO ORDER

LSLV – 10 – * *

1 2 3

1 Function
LSLV=Ball Type,Cartridge Shuttle Valve

2 Size
10=10 Size

3 Port Size
Omit=None
6T=SAE6
8T=SAE8
2G=G 1/4
3G=G 3/8

※See page K-5 for detail of housing
※Other port sizes are available

D

INSTALLATION DIMENSIONS

Unit=Millimeters