LDPC-10

Dual Pilot-operated Check Valve

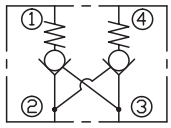
DESCRIPTION

A cartridge-style dual pilot-operated check valve

OPERATION

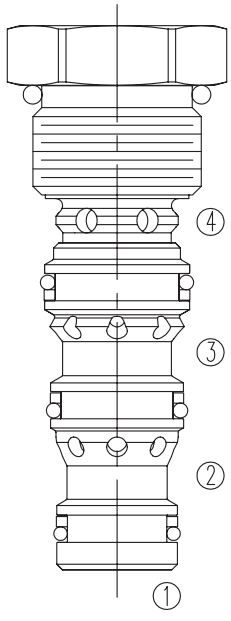
The valve will block flow from ① to ② , and from ④ to ③ . Flow is allowed in the opposite direction when pressure is applied to port ② and/or ③ . The valve has a 3:1 pilot ratio, so at least 1/3 of the load pressure at port ① or ④ is required at the pilot lines (port ③ or ②)to open the flow passage to allow flow from port ① or ④ .

SYMBOL

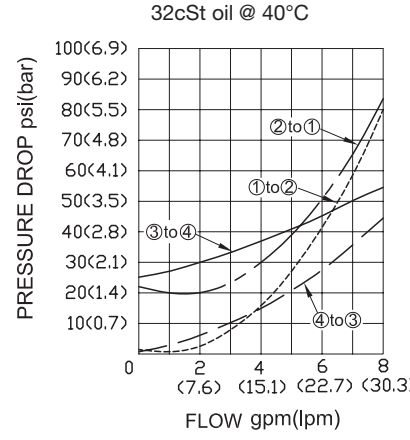


SPECIFICATIONS

Operating Pressure	240bar
Flow	See PRESSURE DROP VS.FLOW graph.
Check Valve Leakage	2 drops/min max. at 240bar
Cracking Pressure	1.7=1.7bar
Pilot Ratio	3:1
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	10-4,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

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1 2 3 4

1 Function
LDPC=Dual Pilot-operated Cartridge Check Valve

2 Size
10=10 Size

3 Cracking Pressure
1.7=1.7bar

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

※See page K-16 for detail of housing
※Other port sizes are available

D

INSTALLATION DIMENSIONS

Unit=Millimeters