LPC2-10

Pilot-to-close Check Valve

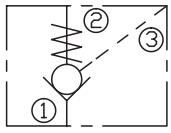
DESCRIPTION

A cartridge-style pilot-to-close poppet-type check valve

OPERATION

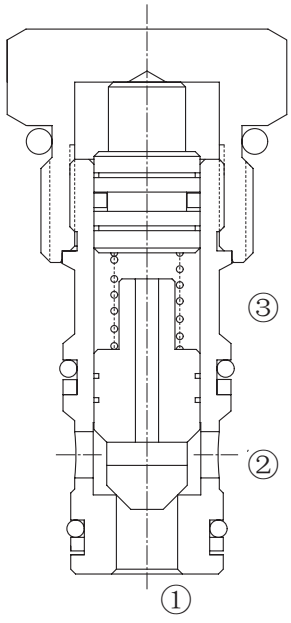
Pressure at ① overcomes the spring-bias poppet and allows free flow to ② . Flow in the opposite direction, from ② to ① ,is blocked by the poppet.
When the required pilot pressure is achieved at ③ ,the poppet is held closed to block flow between ① and ② .The pilot piston area to poppet seat area ratio is 3 to 1.

SYMBOL

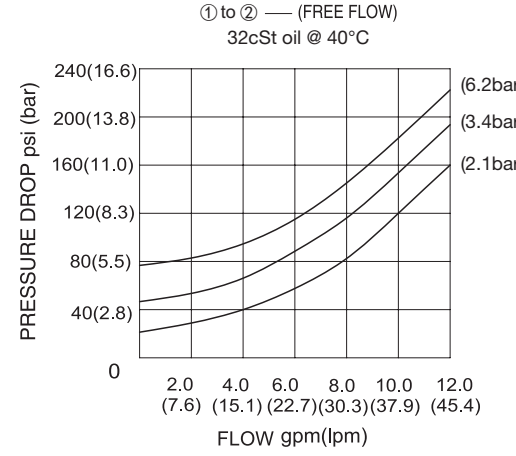


SPECIFICATIONS

Operating Pressure	250bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	2 drops/min max. at 250bar
Cracking Pressure	2.1=2.1bar 3.4=3.4bar 6.2=6.2bar
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	10-3,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

LPC2 – 10 – * * – * * – * *

1 2 3 4 5

1 Function
LPC2=Pilot to Close Check Valve

2 Size
10=10 Size

3 Seal Kits
N=Buna N(Std)
NS=Buna N with sealed piston
6.2bar(90psi)minimun spring
V=V-Fluorocarbon
VS=VS-Fluorocarbon with sealed pistion
6.2bar(90psi)minimun spring

4 Cracking Pressure
2.1=2.1bar
3.4=3.4bar
6.2=6.2bar

5 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