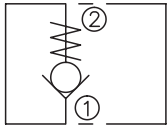# LCV-10-P

Check Valve

DESCRIPTION

A cartridge-style poppet-type check valve

OPERATION

Pressure at ① overcomes the spring-bias poppet and allows free flow from ① to ② . Flow in the opposite direction, from ② to ① ,is blocked by the poppet.
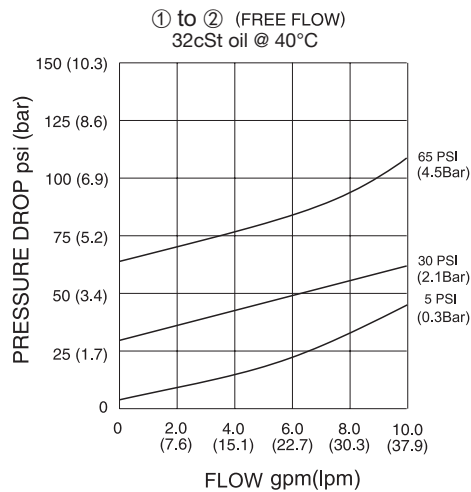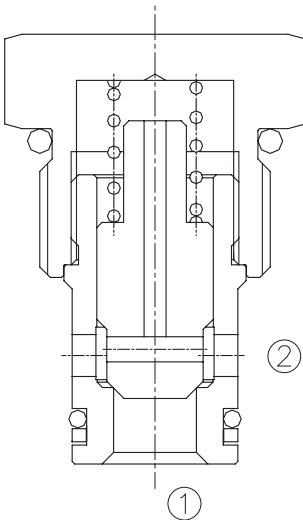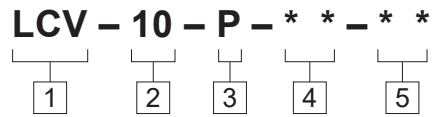
SPECIFICATIONS

Operating Pressure	350bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	2 drops/min max. at 350bar
Cracking Pressure	0.3=0.3bar
	0.7=0.7bar
	2.1=2.1bar
	4.5=4.5bar
	6.9=6.9bar
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	10-2,See page M-2
Housing Material	Steel & Ductile iron rated to 350bar

SYMBOL

PRESSURE DROP VS.FLOW

① to ② (FREE FLOW)
32cSt oil @ 40°C

65 PSI (4.5Bar)

30 PSI (2.1Bar)

5 PSI (0.3Bar)

PRESSURE DROP psi (bar)

FLOW gpm(lpm)

TO ORDER

<div align="center">

LCV – 10 – P – * * – * *

1   2   3   4   5

</div>

1 **Function**
LCV=Check Valve

2 **Size**
10=10 Size

3 **Type**
P=Poppet

4 **Cracking Pressure**
0.3=0.3bar
0.7=0.7bar
2.1=2.1bar
4.5=4.5bar
6.9=6.9bar

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

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

D

INSTALLATION DIMENSIONS

Unit=Millimeters

9

31.8

(25.4)HEX
TORQUE
40-45Nm

②

①