LCODA

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 1.8 to 1.

SYMBOL
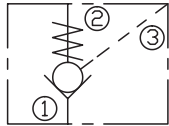
SPECIFICATIONS

| Max.Operating Pressure	350bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	2 drops/min max. at 350bar
Cracking Pressure	A=0.3bar
	B=1.0bar
	C=2.0bar
	D=3.5bar
	E=5.0bar
	F=7.0bar
Pilot Ratio	1.8:1
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	SUN T-11A, See page M-6
Housing Material	Steel & Ductile iron rated to 350bar

PRESSURE DROP VS.FLOW

Keta Hydraulics-2023

TO ORDER

LCO * A – X * * – * *

1 2   3 4 5   6
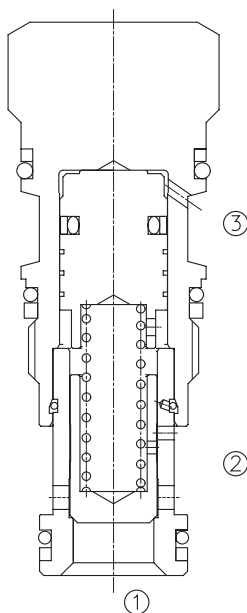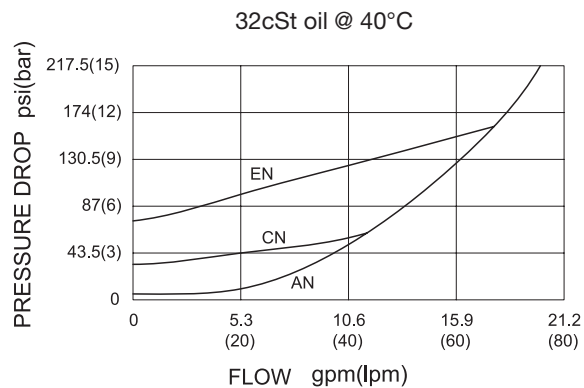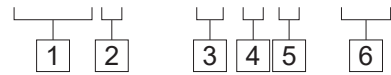
1 **Function**
LCO=Pilot to Close Check Valve

2 **Flow**
D=80 L/min.

3 **Control**
X=Standard

4 **Cracking Pressure**
A=0.3bar
B=1.0bar
C=2.0bar
D=3.5bar
E=5.0bar
F=7.0bar

5 **Seal Kits**
N= Buna N
V=Viton

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

※See page K-17—K22 for detail of housing
※Other port sizes are available

D

INSTALLATION DIMENSIONS

Unit=Millimeters

(22.2)HEX
TORQUE 45-50Nm

30.2

35.0

③ LOCATING SHOULDER

②

①