

# LCOJA

Pilot-to-close Check Valve

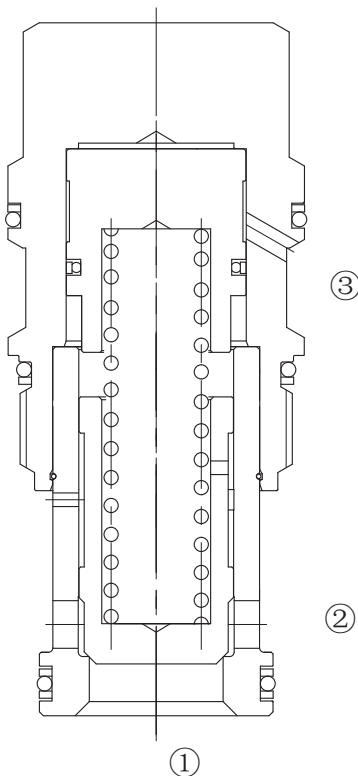
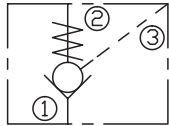
## DESCRIPTION

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.

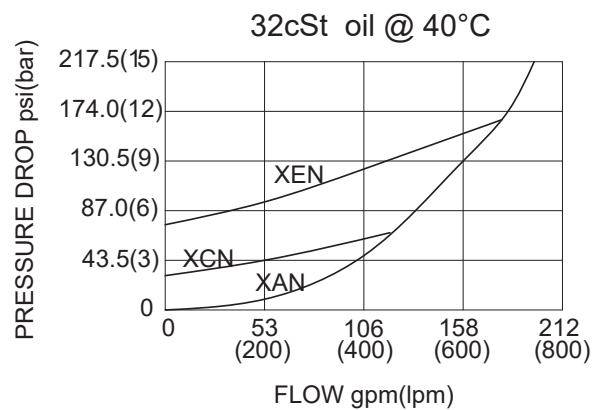
## SYMBOL



## SPECIFICATIONS

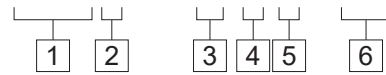
Max.Operating Pressure	350bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	2 drops/min max. at 350bar
Cracking Pressure	A=0.3bar B=1.0bar C=2.0bar D=3.5bar E=5.0bar F=7.0bar G=10.5bar
Pilot Ratio	1.8:1
Temperature	-40°F to +250°F(-40°C to +120°C)
Filtration	See Page N-1
Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity	T-19A,See page M-9
Housing Material	Steel & Ductile iron rated to 350bar

## PRESSURE DROP VS.FLOW



**TO ORDER**

**LCO \* A - X \* \* - \* \***



**1 Function**  
LCO=Pilot to Close Check Valve

**2 Flow**  
J=600L/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  
G=10.5bar

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

**6 Port Size**  
Omit= None  
16T=SAE16  
20T=SAE20  
8G=G 1

※ See page K-15 for detail of housing  
※ Other port sizes are available

**D**

**INSTALLATION DIMENSIONS**

Unit=Millimeters

