

# LADRV6-08

Direct-acting Relief Valve

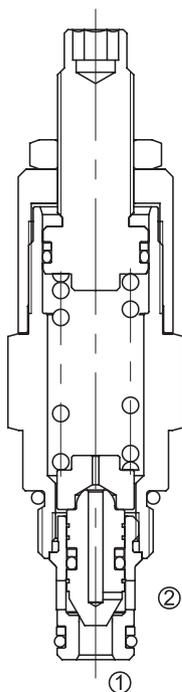
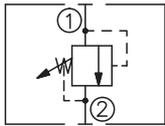
## DESCRIPTION

A cartridge-style direct-acting poppet-type relief valve

## OPERATION

The valve prevents flow from ① to ② until the set Cracking Pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.

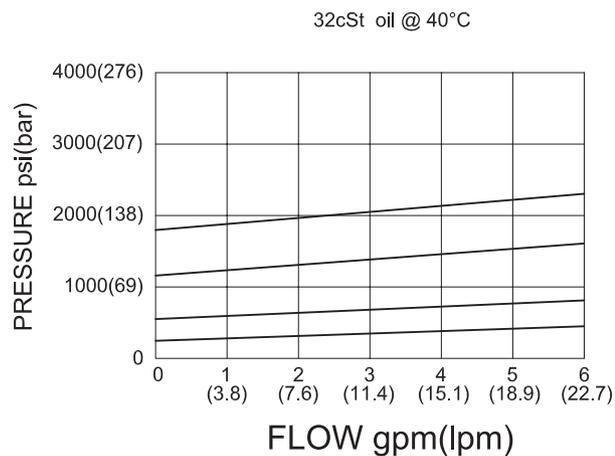
## SYMBOL



## SPECIFICATIONS

Operating Pressure	250bar
Flow	See PRESSURE DROP VS. FLOW graph.
Internal Leakage	5 drops/min max. to 80% of nominal setting
Reseat Pressure	80% of cracking pressure (cracking pressure at 0.95 lpm /0.25 gpm)
Standard Spring Ranges	3.4 to 34.4 bar; preset: 17bar 6.9 to 75.8 bar; preset: 38bar 17.2 to 158.5 bar; preset: 80bar 17.2 to 248.2 bar; preset:124bar
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	08-2, See page M-1
Housing Material	6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar

## PRESSURE DROP VS.FLOW



## TO ORDER

**LADRV6 - 08 - \* \* - \* / \*\*\*\* - \* \***  

1
2
3
4
5
6

**1 Function**  
LADRV6= Direct-acting Relief Valve

**2 Size**  
08=08 Size

**3 Spring Ranges**  
**5**=50-500psi(3.4-34.4bar)  
 Preset:246psi(17bar)  
**9**=100-1100psi(6.9-75.8bar)  
 Preset:550psi(38bar)  
**18**=250-2300psi(17.2-158.5bar)  
 Preset:1160psi(80bar)  
**33**=250-3600psi(17.2-248.2Bar)  
 Preset:1800psi(124bar)

**4 Adjustment**  
 K= 1-1/2" Dia Knob  
 Omit= 1/4" Hex Allen Head

**5 Optional Pressure Setting**  
 Omit=Standard Setting  
**Example: 0200=200bar**

**6 Port Size**  
 Omit=None  
**4T**=SAE4  
**6T**=SAE6  
**2G**=G 1/4  
**3G**=G 3/8

※See page K-1 for detail of housing.  
 ※Other port sizes are available

E

## INSTALLATION DIMENSIONS

Unit=Millimeters

