

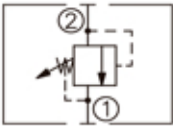
DESCRIPTION

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

OPERATION

The valve blocks flow from ② to ① until sufficient pressure is present at ② to force the poppet from its seat.

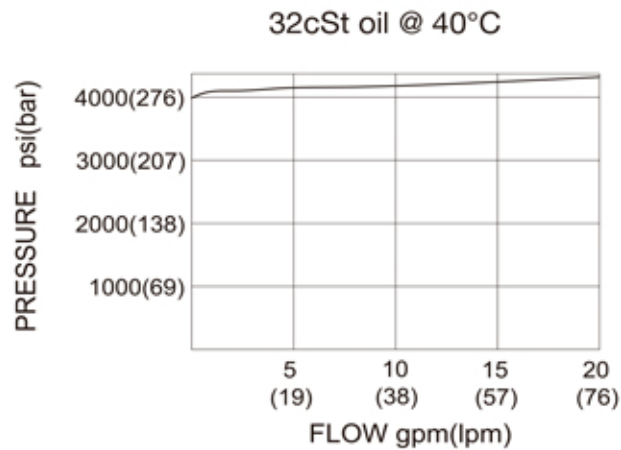
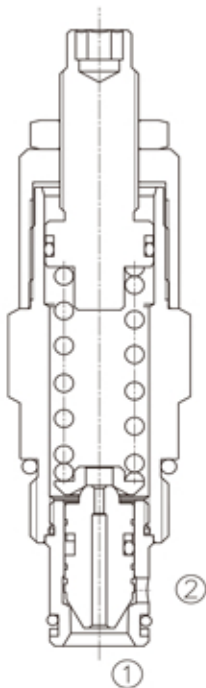
SYMBOL



SPECIFICATIONS

(Operating Pressure):	350bar
(Flow):	See PRESSURE DROP VS. FLOW graph.
(Internal Leakage):	5 drops/min max. to 80% of nominal setting
(Reseat Pressure):	85% of crack pressure (crack pressure at 0.95 lpm /0.25 gpm)
(Standard Spring Ranges):	38 to 350 bar, preset : 175bar
(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
(Body Material):	Steel & Ductile iron rated to 350bar

PRESSURE DROP VS.FLOW



LDRV8 - 10 - * * - * / ***** - * *

1
 2
 3
 4
 5
 6

1 LDRV8=
Direct-Acting Differential Area
Poppet-Type Relief Valve

2 **Size**
10=10

3 **Spring Ranges**
50=550-5000psi(38-350bar)
Preset:2540psi(175bar)

4 **Adjustment**
K= 1-1/2'Dia Knob
(Omit for 1/4' Hex Allen head)

5 **Setting In Bar**
Blank= Preset
Example:0150 =150bar

6 **Body Porting**
Blank=None
6T=SAE6
8T=SAE8
3G=G 3/8
4G=G 1/2
Other Porting is Available

E

INSTALLATION DIMENSIONS

Unit=Millimeters

