

LPRPS2-10

Pilot-operated Pressure Reducing/
Relieving Valve

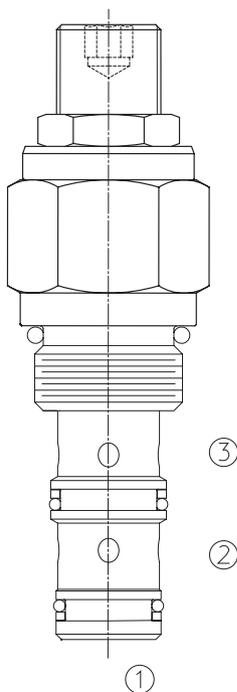
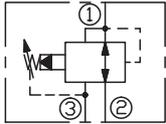
DESCRIPTION

A cartridge-style pilot-operated pressure reducing/relieving valve

OPERATION

In its steady state, the valve allows flow to pass from ② to ①, with the spring chamber constantly drained at ③. On attainment of a pre-determined pressure at ①, the cartridge shifts to restrict input flow at ②, thereby regulating pressure at ①. In this mode, the valve will also relieve ① to ③ over the reducing setting.

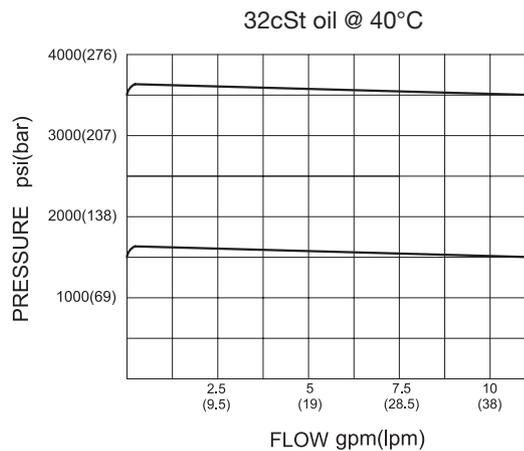
SYMBOL



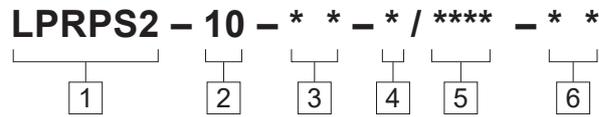
SPECIFICATIONS

Operating Pressure	350bar
Flow	See performance chart
Internal Leakage	from ② to ③ 82 cc/min max. at 85% of Cracking Pressure
Standard Spring Ranges	3.45-103 bar, preset: 52bar 3.45-207 bar, preset: 103bar 3.45-350 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	10-3, See page M-2
Housing Material	Steel & Ductile iron rated to 350bar

PRESSURE DROP VS.FLOW



TO ORDER



<p>1 Function LPRPS2=Pilot-operated Pressure Reducing/Relieving Valve</p>	<p>3 Spring Ranges 15=50-1500psi(3.45-103bar) Preset:750psi(52bar) 30=50-3000psi(3.45-207bar) Preset:1490psi(103bar) 50=50-5000psi(27.6-350bar) Preset:2500psi(175bar)</p>	<p>5 Optional Pressure Setting Omit=Standard Setting Example:0100=100bar</p>
<p>2 Size 10=10 Size</p>	<p>4 Adjustment K= 1-1/2" Dia Knob Omit = 5/16" Hex Allen Head</p>	<p>6 Port Size Omit=None 6T=SAE6 8T=SAE8 2G=G 1/4 3G=G 3/8</p>

※ See page K-5 for detail of housing
 ※ Other port sizes are available

INSTALLATION DIMENSIONS

Unit=Millimeters

