LPS2-10

Sequence Valve

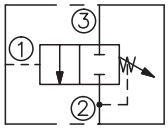
DESCRIPTION

A cartridge-style spool-type sequence valve with external pilot and internal spring chamber drain

OPERATION

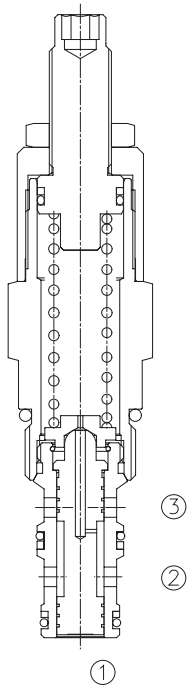
In its steady state, the valve blocks flow from ③ to ② . On attainment of a pre-determined pressure at ①, the cartridge shifts to open ③ to ② . Since the spring chamber is vented at ②, back pressure at ② will directly (1:1)affect the valve's setting.

SYMBOL

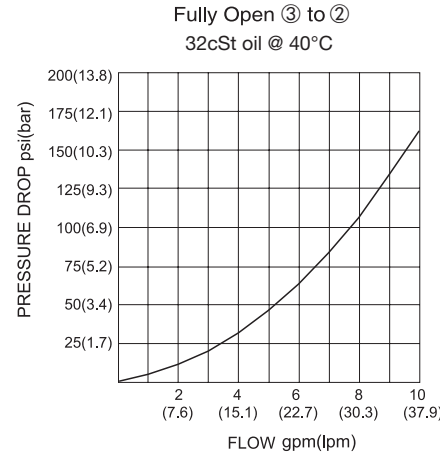


SPECIFICATIONS

Operating Pressure	207bar
Flow	See PRESSURE DROP VS. FLOW graph.
Internal Leakage	82 cc/min max. to 90% of nominal setting
Standard Spring Ranges	5.5-27.6 bar, preset:13.8bar
	13.8-55.2 bar, preset:27.6bar
	20.7- 103 bar, preset:51.5bar
	28- 145 bar, preset:72.5bar
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	
	6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar



PRESSURE DROP VS.FLOW



TO ORDER

LPS2 – 10 – * * – */ ** – * ***

1 2 3 4 5 6

1 Function
LPS2=Spool-type Sequence Valve with External Pilot and Internal Drain

2 Size
10=10 Size

3 Spring Ranges
4=80-400psi(5.5-27.6bar)
Preset:200psi(13.8bar)
8=200-800psi(13.8-55.2bar)
Preset:400psi(27.6bar)
15=300-1500psi(20.7-103bar)
Preset:750psi(51.5bar)
21=400-2100psi(28-145bar)
Preset:1050psi(72.5bar)

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

5 Optional Pressure setting
Omit=Standard Setting
Example:0120=120Bar

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

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

E

INSTALLATION DIMENSIONS

Unit=Millimeters