

LRPEE(导压操作, 快速响应型)

先导式溢流阀

说明 DESCRIPTION

A cartridge-style fast-acting balanced piston relief valve
快速响应型, 先导滑阀式溢流阀

工作 OPERATION

The valves are normally closed, pressure-limiting valves used to protect hydraulics components from pressure transients. When the pressure at the inlet (port ①) reaches the valve setting, the valve starts to open to tank (port ②), throttling flow to limit the pressure rise. These valves have low pressure rise vs. flow and are very fast.

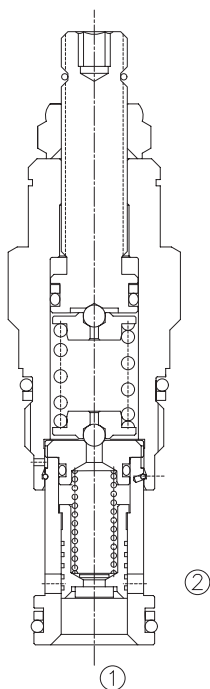
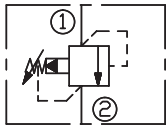
Back pressure on the tank port ② is directly additive to the valve setting at a 1:1 ratio. 快速响应先导式滑阀型溢流阀用于保护系统的压力瞬时过载, 快速启闭时仍能保持系统平稳性。当①口压力超过阀的设定时, ①口到②口溢流过载, 限制系统压力升高, 该阀对压力反应灵敏。

②口背压会按 1:1 叠加到阀的设定压力上。

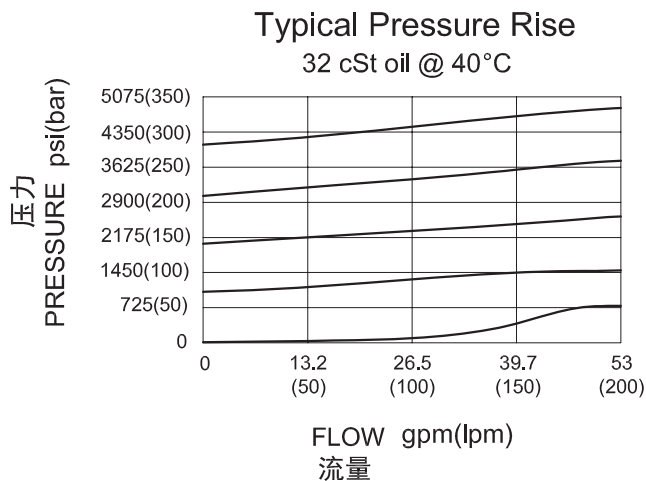
技术参数 SPECIFICATIONS

最大工作压力(Max.Operating Pressure):	350bar
流量(Capacity):	95 L/min.
内泄漏(Internal Leakage):	30 cc/min. at 70bar.
响应时间(Response Time- Typical):	2 ms
弹簧调压范围(Standard Spring Ranges):	A 7 to 210 bar, preset预设:70bar B 3.5 to 105 bar, preset预设:70bar C 10.5 to 420 bar, preset预设:70bar D 1.7 to 55 bar, preset预设:28bar E 1.7 to 28bar, preset预设:14bar W 10.5 to 315bar, preset预设:70bar
温度(Temperature):	-40°F to +250°F(-40°C to +120°C)
过滤(Filtration):	See page (参见) N-1
油液(Fluids):	Mineral-based fluids with viscosities of 7.4 to 420 cSt.(矿物油粘度)
插孔(Cavity):	SUN T-10A, See page M-7
阀块材料(Body Material):	Steel & Ductile iron rated to 350bar 钢和球铁允许使用最大压力350bar

SYMBOL



压力 - 流量曲线 PRESSURE DROP VS.FLOW



订货代号 TO ORDER

LRP * E - * * * - * *

1
2
3
4
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1 功能

LRP= 先导式溢流阀
Fast-acting Pilot-operated
Relief Valve

2 流量 Capacity

E=95L/min

3 控制方式 Control

L=StandardScrew Adjustment
K=Handknob

4 弹簧调压范围 Spring Ranges

A=100-3000psi(7-210bar)
Preset:1000psi(70bar)
B=50-1500psi(3.5-105bar)
Preset:1000psi(70bar)
C=150-6000psi(10.5-420bar)
Preset:1000psi(70bar), 97.5 Bar/turn
D=25-800psi(1.7-55bar)
Preset:400psi(28bar)
E=25-400psi(1.7-28bar)
Preset:200psi(14bar)
W=150-4500psi(10.5-315bar)
Preset:1000psi(70bar)
Factory Pressure setting established at 15L/min;
工厂的设定是指溢流阀开启 (流量为 15L/min) 时的压力;

5 油封 Seal Kits

N=Buna N
V=Viton

6 阀块油口 Body Porting

空白 Blank= 不带阀块 None
6T=SAE6
8T=SAE8
2G=G 1/4
3G=G 3/8

※ 阀块详见章节 K-13
其它螺纹油口也是可选择的
Other Porting is Available

E

安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

