

# LDRH

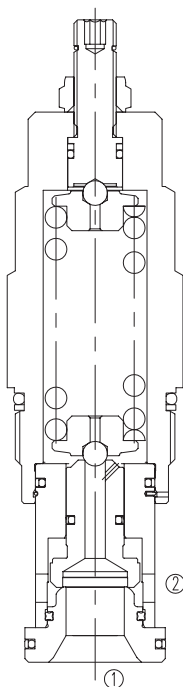
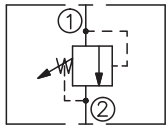
## 直动式溢流阀

### 说明 DESCRIPTION

A cartridge-style direct-acting relief valve

直动式溢流阀

### SYMBOL



### 工作 OPERATION

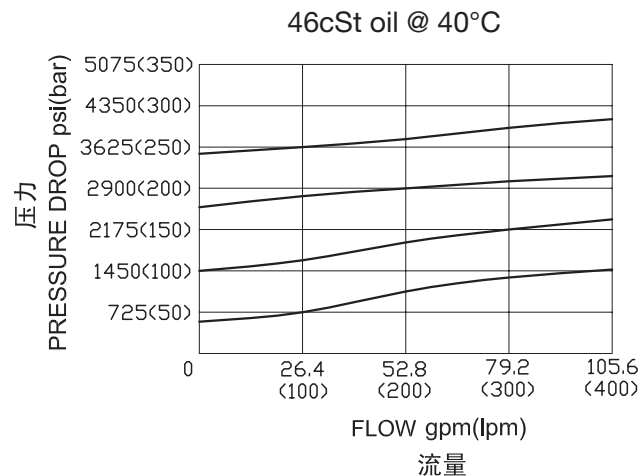
The valve is normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. When the pressure at the inlet (port ①) reaches the valve setting, the valve starts to open to tank (port ②), throttling flow to limit the pressure rise. These valves are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very fast.

此阀为常闭压力限制阀，常用来保护液压元件，以防止其受瞬态压力的冲击。当压力在进口（油口①）达到阀的设定值，阀开始向油箱（油口②）溢流，节流以限制压力上升。此类阀调节平稳、噪声小，基本为零泄漏，抗油污能力强，防堵塞并且响应速度快。

### 技术参数 SPECIFICATIONS

工作压力(Operating Pressure):	350bar
流量(Capacity):	See PRESSURE DROP VS.FLOW graph
回座时最大泄漏(Maximum valve leakage at reseal):	10 drops/min(滴/分)
闭合压力(Reseat Pressure):	>80% of setting pressure(设定压力)
弹簧调压范围(Standard Spring Ranges):	A 35-210 bar; Preset(预设):70bar B 20-105 bar; Preset(预设):70bar C 70-420 bar; Preset(预设):70bar D 14- 55 bar; Preset(预设):28bar E 7- 28 bar; Preset(预设):14bar W 55-315 bar; Preset(预设):70bar S 3.5- 14 bar; Preset(预设): 7bar
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-16A, See page M-8
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

### 压力 - 流量曲线 PRESSURE DROP VS.FLOW



## 订货代号 TO ORDER

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| <p><b>1 功能</b><br/>LDR= 直动式溢流阀<br/>Direct-Acting Relief Valve</p>        | <p><b>4 弹簧调压范围 Spring Ranges</b><br/> A=500-3000psi(35-210bar) Preset:1000psi(70bar)<br/> B=300-1500psi(20-105bar) Preset:1000psi(70bar)<br/> C=1000-6000psi(70-420bar) Preset:1000psi(70bar)<br/> D=200-800psi(14-55bar) Preset:400psi(28bar)<br/> E=100-400psi(7-28bar) Preset:200psi(14bar)<br/> W=800-4500psi(55-315bar) Preset:1000psi(70bar)<br/> S=50-200psi(3.5-14bar) Preset:100psi(7bar)<br/> Factory pressure setting established at 15L/min;<br/> 工厂的设定是指溢流阀开启 [流量为 15L/min] 时的压力;</p> | <p><b>6 阀块油口 Body Porting</b><br/> 空白 Blank= 不带阀块 None<br/> 12T=SAE12<br/> 16T=SAE16<br/> 6G=G 3/4<br/> 8G=G 1</p> |
| <p><b>2 流量 Capacity</b><br/>H=380L/min</p>                               | <p><b>5 油封 Seal Kits</b><br/> N= 丁晴橡胶 Buna N<br/> V= 氟橡胶 Viton</p>   | <p>※ 阀块详见章节 K-14<br/> 其它螺纹油口也是可选择的<br/> Other Porting is Available</p>   |
| <p><b>3 控制方式 Control</b><br/>L= 标准螺钉调节<br/>Standard Screw Adjustment</p> |  |  |

## 安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

