

KDRD-LCN

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直动式溢流阀

说明 DESCRIPTION

A cartridge-style direct-acting relief valve
直动式溢流阀

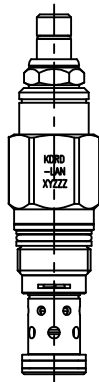
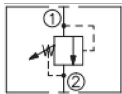
工作 OPERATION

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，常用于保护液压元件，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。

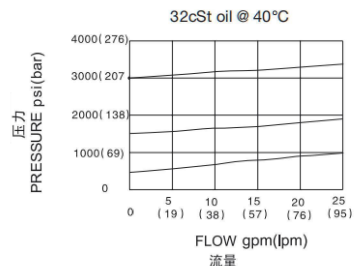
技术参数 SPECIFICATIONS

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预设定: 70 bar W 55-315 bar; preset预设定: 70 bar B 20-105 bar; preset预设定: 70 bar C 70-420 bar; preset预设定: 70 bar D 14- 55 bar; preset预设定: 28 bar S 3.5-14 bar; preset预设定: 7 bar
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

符号 SYMBOL

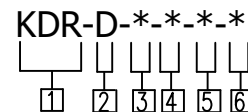


压力-流量曲线 PRESSURE DROP VS. FLOW



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① 功能

LDR= 直动式过载阀
Direct-Acting Relief Valve

② 流量 Capacity

D=95L/min

③ 控制方式 Control

L=Standard Screw Adjustment
K=Handknob

⑤ 油封 Seal Kits

N= 丁晴橡胶 Buna N
V= 氟橡胶 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

④ 弹簧调压范围 Spring Ranges

A=500-3000psi (35-210bar)
Preset:1000psi (70bar)
W=800-4500psi (55-315bar)
Preset:1000psi (70bar)
B=300-1500psi (20-105bar)
Preset:1000psi (70bar)
C=1000-6000psi (70-420bar)
Preset:1000psi (70bar)
D=200-800psi (14-55bar)
Preset:400psi (28bar)
S=50-200psi (3.5-14bar)
Preset:100psi (7bar)

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；

安装尺寸 INSTALLATION DIMENSIONS

