

KRPIE-LCN

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. Fast opening and closing is gained at the expense of smoothness. 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式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): 60 L/min.

弹簧调压范围(Standard Spring Ranges):
A: 7-210 bar, preset预设定:14bar
B: 3.5-105 bar, preset预设定:14bar
N: 4- 55 bar, preset预设定:14bar
Q: 4- 28 bar, preset预设定:14bar
W:10.5-315 bar, preset预设定:14bar

附加选项(Additional Options): C:10.5-420 bar, preset预设定:14bar
D: 1.7- 55 bar, preset预设定:14bar
E: 1.7- 28 bar, preset预设定:14bar
G: 4-210 bar, preset预设定:14bar
K: 5-105 bar, preset预设定:14bar
P: 2.8- 28 bar , preset预设定:14bar

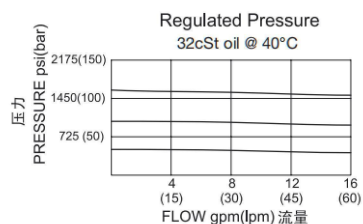
温度(Temperature): -40° F to +250° F(-40° C to +120° C)

油液(Fluids): Mineral-based fluids with viscosities of 7.4 to 420 cSt. (矿物油粘度)

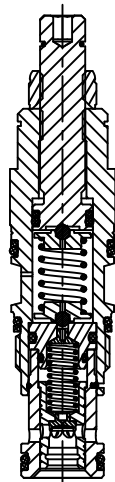
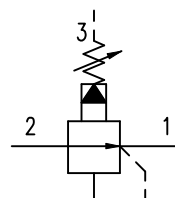
插孔(Cavity): T-11A

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

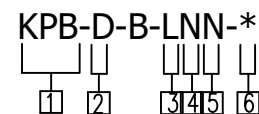
压力-流量曲线 PRESSURE DROP VS. FLOW



符号 SYMBOL



订货代号 TO ORDER



① 功能
KPB=先导式减压阀
Cartridge-style Pilot-operated
Spool-type Pressure
Reducing Valve

② 流量 Capacity
D=60L/min

③ 控制方式 Control
L= 标准螺钉调节
Standard Screw Adjustment

⑤ 油封 SEAL KITS
N=Buna N
V=Viton

④ 弹簧调压 Spring Ranges
A=100-3000psi (7-210bar)
Preset:200psi (14bar)
B=50-1500psi (3.5-105bar)
Preset:200psi (14bar)
N=60-800psi (4-55bar)
Preset:200psi (14bar)
Q=60-400psi (4-28bar)
Preset:200psi (14bar)
W=150-4500psi (10.5-315bar)
Preset:200bar (14bar)

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

安装尺寸 INSTALLATION DIMENSIONS

