

LPD2-10-30

二位二通液控换向阀（常开型）
透大气

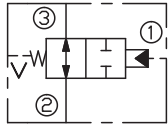
说明 DESCRIPTION

A cartridge-style, pilot-operated, spool-type, normally open, hydraulic directional valve
二位，二通，液控，常开，螺纹插装换向阀

工作 OPERATION

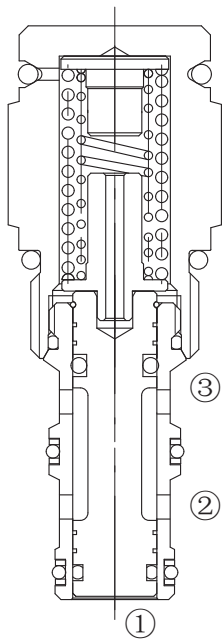
In neutral position(unpiloted), the valve allows flow from port ③ to ② bidirectionally. The spring chamber is vented to atmosphere which is internally O-ring sealed from the cartridge flow paths. On remote pilot signal at port ①, the valve's spool shifts to block flow from port ③ to ② bidirectionally. Because of the vented spring chamber, the cartridge may be fully pressurized at any port without affecting required pilot pressure. 在初始位置（无液控）时，此阀允许油液从③到②双向流动，此阀弹簧腔通大气，阀内弹簧腔与内部油路用O形圈密封。当远端信号到达①口时，阀芯移动，③到②双向闭合。由于此阀弹簧腔通大气，所有油口匀可以加载全压力，而不影响所需的液控压力。

SYMBOL

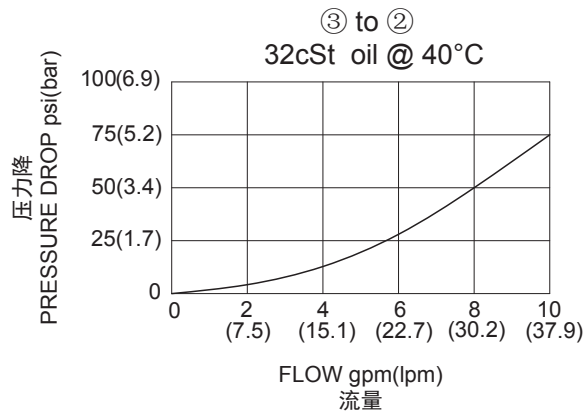


技术参数 SPECIFICATIONS

最大工作压力 (Max. Operating Pressure):	240bar
流量 (Flow) :	See PRESSURE DROP VS.FLOW graph.
内泄漏 (Internal Leakage):	82cc/min. (毫升/分) max. at 240bar
先导口压力要求 (Pilot Pressure Required):	阀芯完全换向(To Full Spool Shift):
	采用4.1bar弹簧 (for 4.1bar spring) : 4.7bar
	采用7.6bar弹簧 (for 7.6bar spring) : 8.6bar
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):	10-3,See page M-2
阀块材料 (Body Material):	6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar 6061-T6铝，允许使用最大压力207bar 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



1 功能
LPD2= 二位二通液控换向阀
Piloted Two-way Spool Directional Valve

2 规格 Size
10=10 规格

3 弹簧调压 Bias Spring
4=40psi(2.8bar)
6=60psi(4.1bar)
11=110psi(7.6bar)
17=170psi(11.7bar)

4 油封 Seal Kits
N= 丁腈橡胶 (标准型) Buna N(Std)
NS= 丁腈橡胶 (活塞上带密封圈)
最低弹簧压力为 7.6bar
Buna N with sealed piston
110psi(7.6bar)minumun spring
V= 氟橡胶 V-Fluorocarbon
VS= 氟橡胶 (活塞上带密封圈)
最低弹簧压力为 7.6bar
Fluorocarbon with sealed piston
110psi(7.6bar)minumun spring

5 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-5
其它螺纹油口也是可选择的
Other Porting is Available

D

安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

