

LPFR-10

流量控制阀，压力补偿型 (弹簧可调节)

说明 DESCRIPTION

A cartridge-style adjustable pressure-compensated flow control valve

压力补偿可调型，插装式流量阀

工作 OPERATION

The valve maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. The valve will pressure-compensate once a minimum pressure drop (determined by spring adjustment setting) is achieved from ① to ③. This value will range from approximately 4.8 to 13.8 bar (70 to 200 psi). Bypass port ② may be fully pressurized.

The cartridge may be adjusted to $\pm 25\%$ of nominal setting. At nominal setting, pressure drop is approximately 9 bar (130 psi).

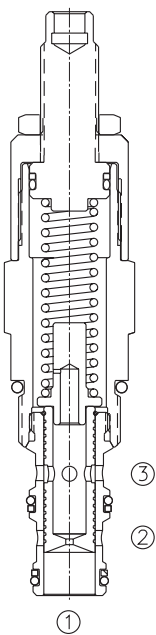
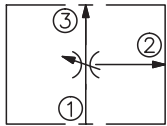
Flow out of priority port ③ may vary based on input flow amount, particularly with lower temperatures and increased fluid viscosities.

不管③口负载压力或旁路②口负载压力如何变化，从③口流出的流量维持不变；油液从①口到③口的压降一旦达到最小值（取决于弹簧设定值），阀芯将开始压力补偿，压降范围约为 4.8bar 至 13.8bar。旁路②口可作为工作口。

流量的调整范围为名义流量设定值的 $\pm 25\%$ ，名义流量设定时的压降约为 9bar。

基于进油量的不同，特别在低温和油液粘度增加条件下，从优先油口③流出的油液可能有差别。

SYMBOL

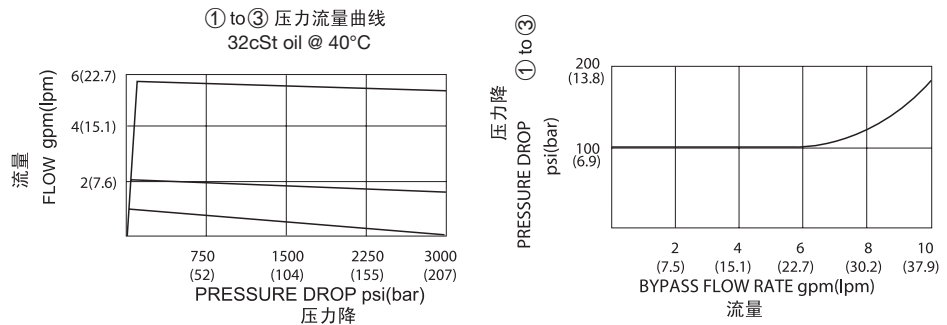


③口油液切断，则②口也无油液

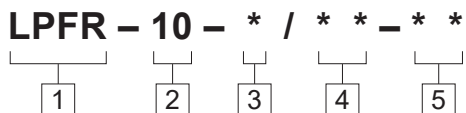
技术参数 SPECIFICATIONS

工作压力(Operating Pressure):	207bar
流量设定(Flow Setting):	low range: 1.9 to 9.5 lpm (0.5 to 2.5 gpm) Specify in 1.9 lpm (0.5 gpm) increments high range: 11.4 to 22.7 lpm (3.0 to 6.0 gpm) Specify in 3.8 lpm(1gpm) increments
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



<p>1 功能 LPFR= 压力补偿可调型, 插装式流量阀 Adjustable Pressure-compensated Flow Control Valve</p>	<p>4 流量设定 Flow Setting 0.5=1.42 to 2.37lpm 1.0=2.84 to 4.73lpm 2.0=5.68 to 9.46lpm 2.5=7.08 to 11.81lpm 3.0=8.52 to 14.19lpm 4.0=11.35 to 18.93lpm 5.0=14.19 to 23.66lpm 6.0=17.03 to 28.93lpm</p>	<p>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</p> <p>※ 阀块详见章节 K-5 其它螺纹油口也是可选择的 Other Porting is Available</p>
<p>2 规格 Size 10=10 规格</p>		
<p>3 调节 Adjustment K= 调节手轮 1-1/2'Dia Knob 空白 Blank= 内六角调节杆 (Omit for 1/4' Hex Allen head)</p>		

F

安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

