

LFR-10

流量控制阀， 压力补偿型， (固定节流孔)

说明 DESCRIPTION

A cartridge-style non-adjustable pressure-compensated flow control valve

压力补偿型， 插装式流量阀

工作 OPERATION

The valve maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ②. The fixed control orifice is factory preset to customer flow specification.

The valve begins to respond to load changes when the flow through the valve creates a pressure differential across the control orifice greater than 5.5 bar, with accurate flow maintenance from 7.6 to 240 bar. Reverse flow(② to ①)returns through the control orifice and is non-compensated.

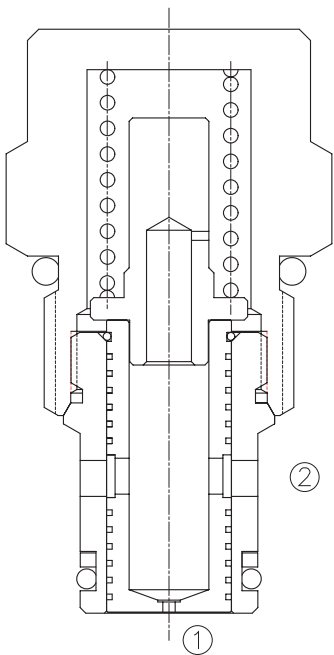
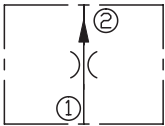
不管在②口的负载如何变化， ②口的流量都能保持在一定的范围内。固定节流孔大小根据客户流量要求而定。

当油液从①到②流动引起压差大于 5.5bar 时， 补偿器开始响应负载变化， 压力差在 7.6bar-250bar 范围内， 通过补偿， 可维持精确的流量。油液从②到①反方向流动， 没有压力补偿。

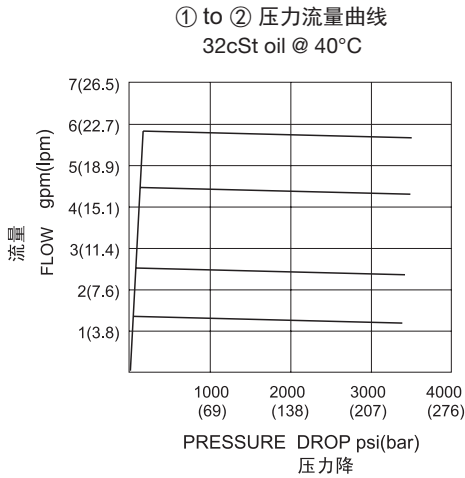
技术参数 SPECIFICATIONS

工作压力(Operating Pressure):	250bar
流量设定(Flow Setting):	0.4 l/min. min., 22.7 l/min. max.
流量控制精度(Flow Maintenance Accuracy):	0.37 to 1.85 l/min. settings $\pm 20\%$
	1.89 to 5.63 l/min. settings $\pm 15\%$
	5.68 to 22.7 l/min. settings $\pm 10\%$
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):	10-2, 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

SYMBOL



压力 – 流量曲线 PRESSURE DROP VS.FLOW



订货代号 TO ORDER

LFR - 10 - * * * * - * *

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1 功能 LFR= 压力补偿型, 插装式流量阀 Non-adjustable Pressure-compensated Flow Control Valve	3 流量设定 Flow Setting (Setting in lpm) Range:0.4-22.7lpm Specify, for example: M2.0 2.0lpm M5.0 5.0lpm etc. (Setting in gpm) Range:0.1-6.0gpm Specify, for example: 2.0 2.0gpm 5.0 5.0gpm etc.	4 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 ※ 阀块详见章节 K-4 其它螺纹油口也是可选择的 Other Porting is Available
2 规格 Size 10=10 规格		

F

安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

