

# LFR-08

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

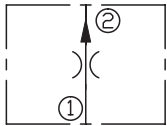
The valve maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ②. The fixed control orifice is factory preset to customer flow specification.

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。

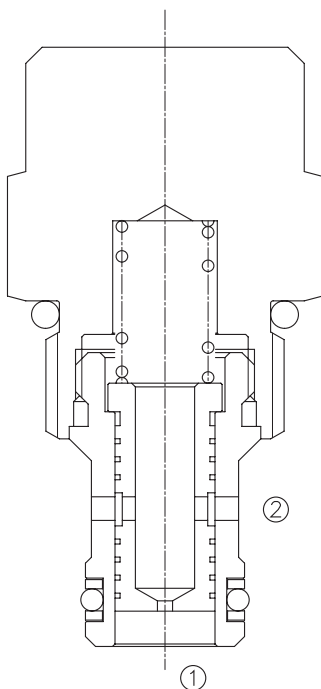
## SYMBOL



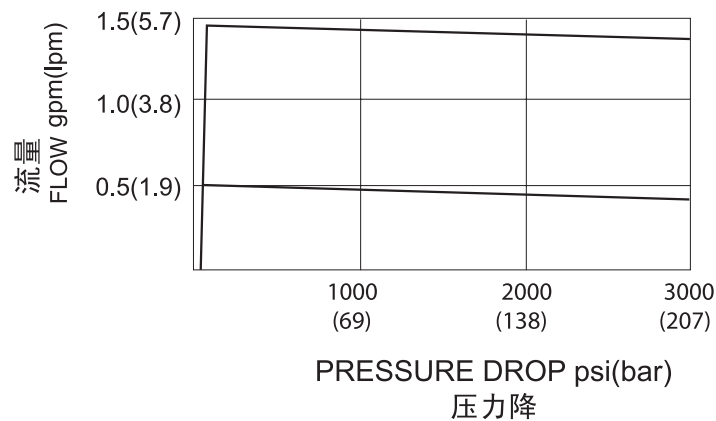
## 技术参数 SPECIFICATIONS

工作压力(Operating Pressure):	250bar
流量设定(Flow Setting):	0.4 l/min. min., 7.5 l/min. max.
流量控制精度(Flow Maintenance Accuracy):	0.2 to 1.8 l/min. settings $\pm 15\%$ ; 1.9 to 7.5 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):	08-2, See page M-1
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



① to ② 压力流量曲线  
32cSt oil @ 40°C



订货代号 TO ORDER

**LFR - 08 - \* \* \* \* - \* \***

┌───┐  
1

┌───┐  
2

┌───┐  
3

┌───┐  
4

**1 功能**  
LFR= 压力补偿型, 插装式流量阀  
Non-adjustable  
Pressure-compensated Flow  
Control Valve

**2 规格 Size**  
08=08 规格

**3 流量设定 Flow Setting**  
(Setting in lpm)  
Range:0.4-7.5lpm  
Specify, for example:  
M2.0 2.0lpm  
M5.0 5.0lpm  
etc.  
(Setting in gpm)  
Range:0.1-0.2gpm  
Specify, for example:  
1.0 1.0gpm  
2.0 2.0gpm  
etc.

**4 阀块油口 Body Porting**  
空白 Blank= 不带阀块 None  
4T=SAE4  
6T=SAE6  
2G=G 1/4  
3G=G 3/8

※ 阀块详见章节 K-1  
其它螺纹油口也是可选择的  
Other Porting is Available

F

安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

