

LFREA

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. Bypass port ② maybe fully pressurized. The cartridge may be adjusted to $\pm 22\%$ of normally setting.

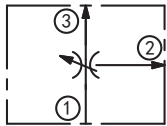
Flow out of priority port ③ may vary based on input flow amount, particularly with lower temperatures and increased fluid viscosities.

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（取决于弹簧的设定值），阀芯将开始压力补偿。

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 $\pm 22\%$ 。

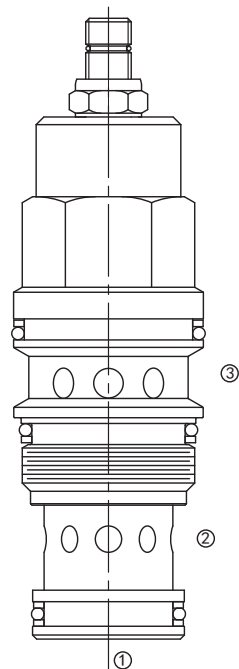
基于进油量的不同，特别在低温和油液粘度增加条件下，从优先油口③流出的油液可能有差别。

SYMBOL



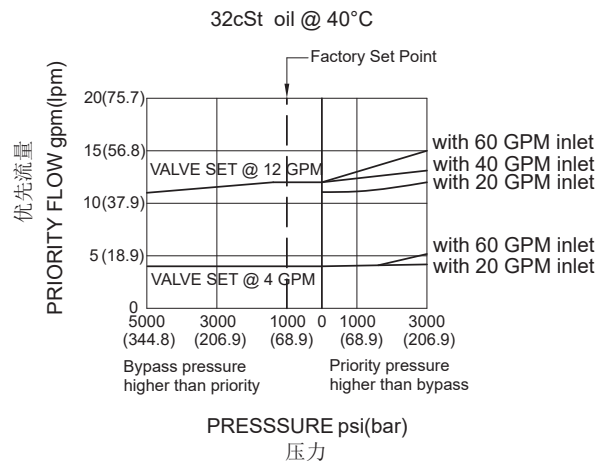
技术参数 SPECIFICATIONS

工作压力(Operating Pressure):	ports ①&②: 350bar port ③: 210bar
最大输入流量(Max. Input Flow):	240L/min
流量设定(Flow Setting):	0.8-95lpm.
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):	SUN T-17A, See page M-7
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



③口油液切断，则②口也无油液

压力 - 流量曲线 PRESSURE DROP VS.FLOW



订货代号 TO ORDER

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|---|---|---|
| <p>1 功能
LFR= 压力补偿可调型，插装式流量阀
Adjustable Pressure-compensated
Flow Control Valve</p> | <p>4 流量设定范围 Flow Setting Range
A=0.2-25gpm(0.8-95L/min)
可更换节流孔 Replaceable Orifice</p> | <p>7 阀块油口 Body Porting
空白 Blank= 不带阀块 None
12T=SAE12
16T=SAE16
6G=G 3/4
8G=G 1</p> |
| <p>2 流量 Capacity
E=95 L/Min</p> | <p>5 油封 Seal Kits
N= 丁晴橡胶 Buna-N
V= 氟橡胶 Viton</p> | <p>※ 阀块详见章节 K-25
其它螺纹油口也是可选择的
Other Porting is Available</p> |
| <p>3 控制方式 Control
L= 标准螺钉调节
Standard Screw Adjustment</p> | <p>6 流量设定 Flow Setting
M6.5=5.07 - 7.93 lpm</p> | |

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安装尺寸 INSTALLATION DIMENSIONS

Unit=Millimeters

