

先导式单向溢流阀 Pilot Type One-Way Relief Valves

型号Model: JRPC20-01

描述Description

螺纹插装先导式单向溢流阀，作为压力限制装置用于要求快速响应、低滞后的液压回路。

Threaded plug-in pilot-operated one-way relief valve is used as a pressure limiting device for hydraulic circuits requiring quick response and low lag.

工作原理Operation

当P口压力未达到弹簧设定压力的90%时，P到T不通，超过90%并压力继续升高时，P到T开始溢流，至弹簧的最高设定压力。

When the pressure at the P-port does not reach 90% of the set pressure of the spring, P-to-T is blocked; when it exceeds 90% and the pressure continues to rise, P-to-T begins to overflow to the highest set pressure of the spring.

特点Features

- 调节器确保弹簧不会被压实。
- 可选的可选压力范围达305bar (4423psi)。
- 阀芯和阀套硬质处理、耐用。
- 工业常规阀孔。
- 快速、平滑响应压力变化。
- The regulator ensures that the spring will not be compacted
- Optional optional pressure range up to 305bar(4423psi).
- The valve core and valve sleeve are hard to handle and durable.
- Industrial conventional valve hole.
- Respond to pressure changes quickly and smoothly.

技术参数Specifications

最高工作压力: 315bar (4568psi)。

流量: 参见性能曲线

内泄漏量: 在75%的开启压力下, 泄漏量 $\leq 10\text{mL/min}$

开启压力定义: 当流量达到公称流量的2.5%时的压力测量值bar

闭合压力: 开启压力的90%

反向开启压力: $\leq 2.5\text{bar}$ (36psi)

过滤精度: $25\mu\text{m}$

使用温度: $-40^{\circ}\text{C} \sim 120^{\circ}\text{C}$ (标准丁腈橡胶) $-26^{\circ}\text{C} \sim 204^{\circ}\text{C}$ (氟橡胶)

介质: 粘度介于 $7.4 \sim 420\text{cSt}$ (50~2000) ssu的矿物油或具有润滑作用的合成油

标准压力范围: $10 \sim 60\text{bar}$ (145~870psi)

$55 \sim 130\text{bar}$ (798~1885psi)

$110 \sim 210\text{bar}$ (1595~3045psi)

$100 \sim 315\text{bar}$ (1450~4568psi)

Max. Working Pressure: 315bar (4568psi)

Flow: See performance curve.

Internal leakage: Under the opening pressure of 75%, the leakage is $\leq 10\text{mL/min}$.

Opening Pressure Definition: Pressure measurement when the flow reaches 2.5% of the nominal flow.

Closing Pressure: 90% of opening pressure

Reverse Opening Pressure: $\leq 2.5\text{bar}$ (36psi)

Filtering Accuracy: $25\mu\text{m}$.

Service Temperature: $-40^{\circ}\text{C} \sim 120^{\circ}\text{C}$ (NBR), $-26^{\circ}\text{C} \sim 204^{\circ}\text{C}$ (FKM)

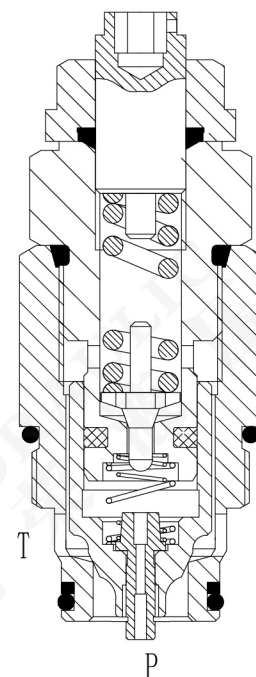
Medium: Mineral oil with viscosity of $7.4 \sim 420\text{CST}$ (50~2000) ssu or synthetic oil with lubricating function.

Standard Pressure Range: $10 \sim 60\text{bar}$ (145~870psi)

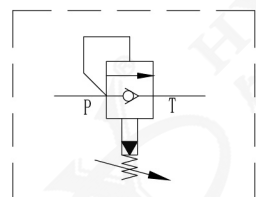
$55 \sim 130\text{bar}$ (798~1885psi)

$110 \sim 210\text{bar}$ (1595~3045psi)

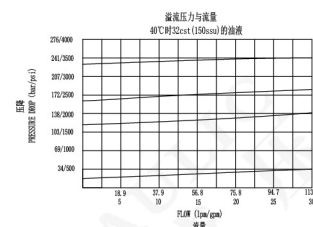
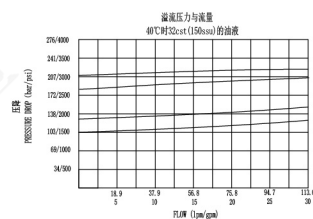
$100 \sim 315\text{bar}$ (1450~4568psi)



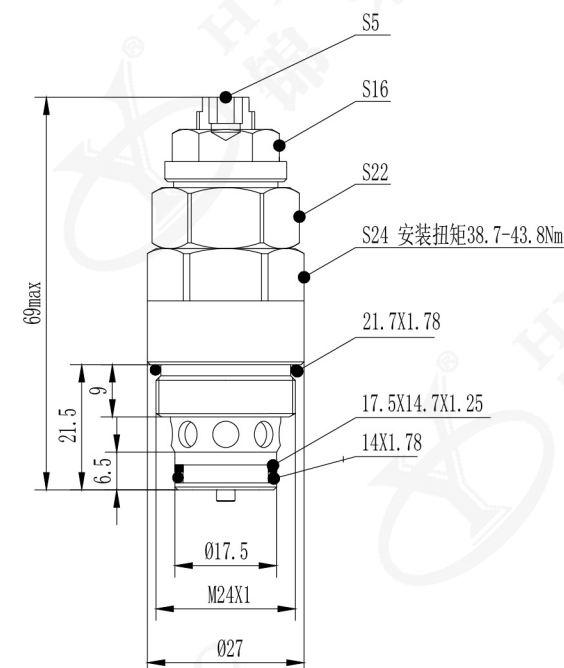
符号Symbol



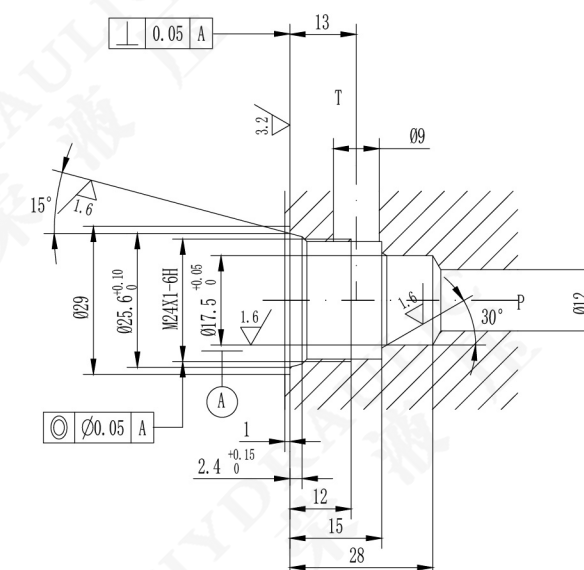
性能曲线Characteristic



安装尺寸Dimensions



插孔Cavity



订购选型To Order

JRPC20-01- * - * / * - ***

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① 型号Model

JRPC = 先导式单向溢流阀
Pilot Type One-Way Relief Valves

② 调节选件Control

L = 螺杆Screw
C = 防调Anti-adjustment
K = 调扭Torque Adjustment
F = 六角头锁钮
Hexagon Lock Button
O = 螺杆封盖Screw Cap

③ 弹簧调压范围Spring Ranges

A = $10 \sim 60\text{bar}$ (145~870psi)
B = $55 \sim 130\text{bar}$ (798~1885psi)
C = $110 \sim 210\text{bar}$ (1595~3045psi)
D = $100 \sim 315\text{bar}$ (1450~4568psi)

④ 调定压力Setting In Bar

可调节或指定压力, 例如:
190=190bar, 170=170bar
The pressure can be adjusted or specified, Example:
190=190bar, 170=170bar

⑤ 密封件Seal Kits

N = 丁腈橡胶(NBR)
V = 氟橡胶(FKM)