

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

型号Model: JRPC20-14

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： $\leq 2\text{bar}$ (29psi)

过滤精度：25 μm

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7.4~420cSt (50~2000) ssu的矿物油或具有润滑作用的合成油

标准压力范围：10~60bar (145~870psi)

55~130bar (798~1885psi)

110~210bar (1595~3045psi)

160~315bar (2320~4568psi)

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: $\leq 2\text{bar}$ (29psi)

Filtering Accuracy:25 μm .

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

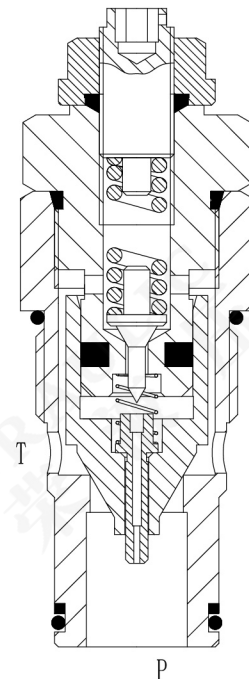
Medium:Mineral oil with viscosity of 7.4 ~ 420 CST (50~2000) ssu or synthetic oil with lubricating function.

Standard Pressure Range:10 ~ 60bar (145 ~ 870psi)

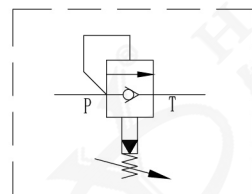
55 ~ 130bar (798 ~ 1885psi)

110 ~ 210bar (1595 ~ 3045psi)

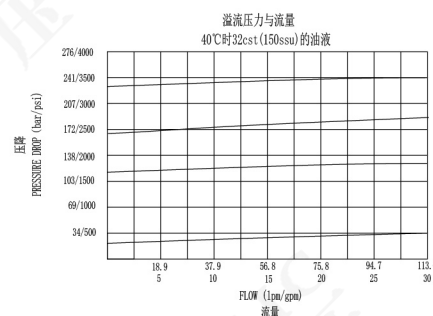
160 ~ 315bar (2320 ~ 4568psi)



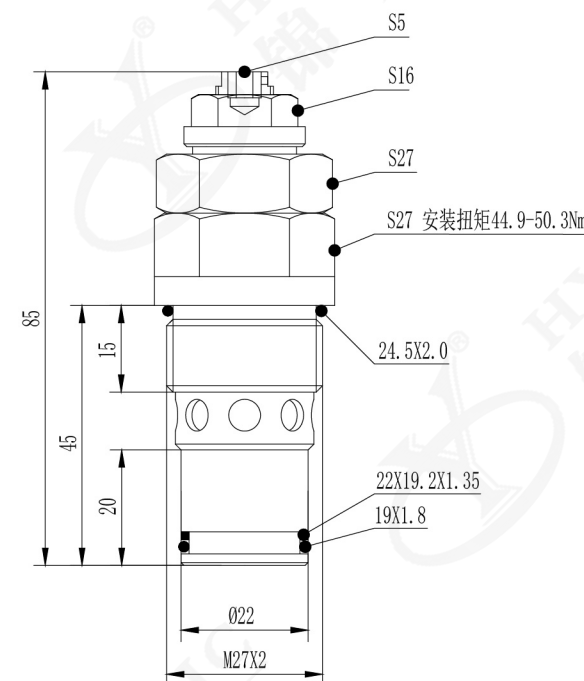
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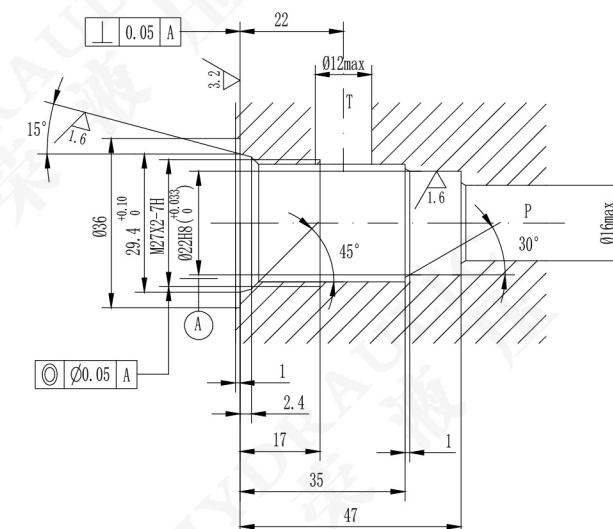
性能曲线Characteristic



安装尺寸Dimensions



插孔Cavity



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JRPC20-14- * - * / *** - *

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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 = 10~60bar (145~870psi)
B = 55~130bar (798~1885psi)
C = 110~210bar (1595~3045psi)
D = 160~315bar (2320~4568psi)

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)