

直动式溢流阀 Directly Relief Valves

型号Model: JRD04-05

描述Description

螺纹插装、直动型、座阀式溢流阀，用作限压装置以保护液压回路。
Threaded plug-in, direct-acting and seat-valve overflow valve is used as a pressure limiting device to protect the hydraulic circuit.

工作原理Operation

当P口压力未达到弹簧设定压力的80%时，P到T不通，超过80%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 80% of the set pressure of the spring, P-to-T is blocked; when it exceeds 80% 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10bar (145psi)。
 - 阀芯和阀套硬质处理、耐用。
 - 压力变化响应快。
 - 工业常规阀孔。
- The regulator ensures that the spring will not be compacted.
 - Optional optional pressure range up to 10bar(145psi).
 - The valve core and valve sleeve are hard to handle and durable.
 - Fast response to pressure change.
 - Industrial conventional valve hole.

技术参数Specifications

最高工作压力: 15bar (218psi)

流量: 参见性能曲线

内泄漏量: 在75%的开启压力下, 泄漏量 $\leq 100\text{mL/min}$

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%

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: $2.5 \sim 7.5\text{bar}$ (36~109psi)

$7.5 \sim 12.5\text{bar}$ (109~181psi)

Max.Working Pressure:15bar (218psi)

Flow:See performance curve.

Internal leakage:Under the opening pressure of 75%, the leakage is $\leq 100\text{mL/min}$.
Opening Pressure Definition:Pressure measurement when the flow reaches 2.5% of the nominal flow.

Closing Pressure:90% of opening pressure

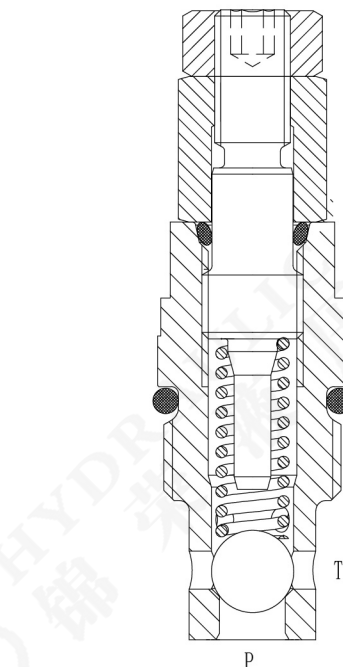
Filtering Accuracy: $25\mu\text{m}$.

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

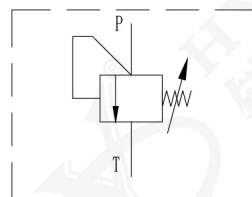
Medium:Mineral oil with viscosity of $7.4 \sim 420\text{CST}$ (50~2000) ssu or synthetic oil with lubricating function.

Standard Pressure Range: $2.5 \sim 7.5\text{bar}$ (36~109psi)

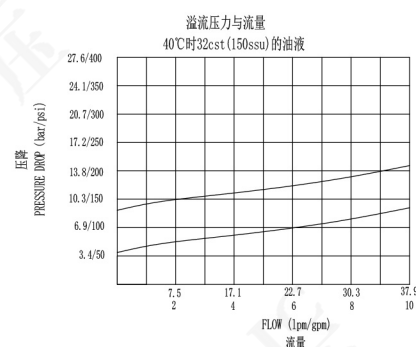
$7.5 \sim 12.5\text{bar}$ (109~181psi)



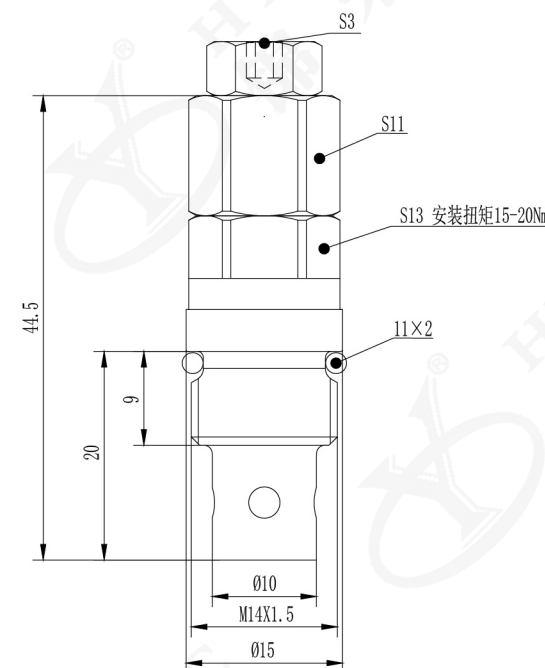
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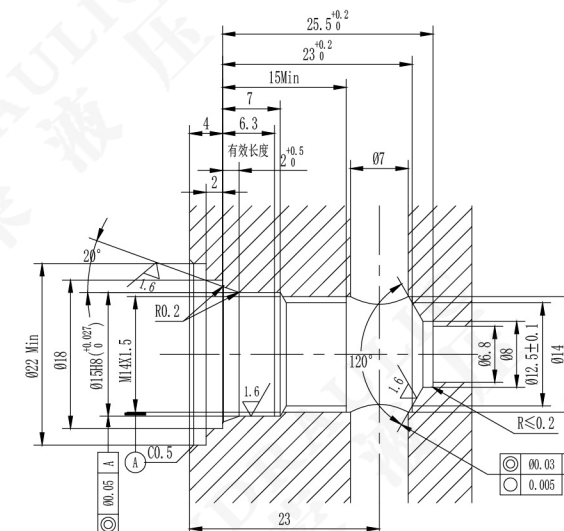
性能曲线Characteristic



安装尺寸Dimensions



插孔Cavity



订购选型To Order

JRD04-05- * - * / *** - *

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① 型号Model

JRD = 直动式溢流阀
Directly 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 = $2.5 \sim 7.5\text{bar}$ (36~109psi)
B = $7.5 \sim 12.5\text{bar}$ (109~181psi)

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)