

ZY-RV08-20 直动式溢流阀

ZY-RV08-20 Relief, Direct-Acting Poppet

描述 DESCRIPTION:

螺纹插装、直动型、座阀式溢流阀, 适用于要求极小内泄漏的低流量液压回路。
A screw-in, cartridge-style, direct-acting, poppet-type, hydraulic relief valve intended for lower flow circuits requiring low internal leakage.

工作原理 OPERATION:

ZY-RV08-20型, 常态下 ① 流向 ② 封闭, 直到①处受到足够的液压力克服弹簧力使阀芯离开阀座。

注: ZY-RV08-20 型通过选用“C”型双挡圈密封(当②处受背压时), 可以用作交叉溢流阀。

The **ZY-RV08-20** blocks flow from 1 to 2 until sufficient pressure is present at 1 to force the spring-opposed poppet from its seat.

Note: The RV08-20 may be used in cross-over relief applications (back pressure on 2) with the use of the “C” double back-up ring seal option.

特性 RATINGS:

工作压力: 248 bar (3600 psi)

流量: 特性曲线列出了在各种弹簧的最大压力值时的流量. 压力增量随弹簧和液动力变化而变化。

内部泄漏: 在75% 的开启压力下, 最大内泄为 0.25 毫升/分钟 (5 滴/分钟)

开启压力定义: 当流量达到 0.95 lmp (0.25 gpm) 时的压力 bar (psi) 测量值

标准弹簧压力范围: 由于制造公差, 阀的调整值可能略低或略高于比下表列出的

闭合压力: 开启压力的80%标称值

弹簧型号代码 Spring Model Code	工厂标称额定值 Nominal Factory Rating	最大压实压力 Maximum Solid Adjustment
5	3.35-34.48 bar (50-500 psi)	48.28 bar (700 psi)
9	6.90-75.86 bar (100-1100 psi)	103.45 bar (1500 psi)
18	17.24-158.62 bar (250-2300 psi)	200 bar (2900 psi)
33	17.24-248.28 bar (250-3600 psi)	303.45 bar (4400 psi)

温度范围: -40°C ~ 120°C

介质: 粘度介于7.4~420 cSt (50~2000 sus)的矿物油或具有润滑作用的合成油

阀孔: ZY-VC08-2;

Operating Pressure: 248 bar (3600 psi);

Flow : The Performance Chart illustrates flow handling capacity at max. setting for each spring range option. Pressure rise will vary with spring (range) and with setting within range due to flow forces.

Internal Leakage: 0.25 cc/minute (5 drops/minute) max. to 75% of nominal setting

Crack Pressure Defined: bar (psi) evident at 0.95 lpm (0.25 gpm) attained

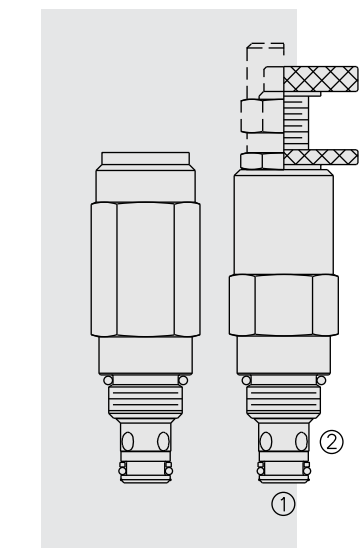
Reseat Pressure: Nominal 80% of crack pressure

Standard Spring Ranges: Due to manufacturing tolerances, it may be possible to adjust the valve either lower or higher than the nominal ratings shown below.

Temperature: -40 to 120°C with standard Buna seals

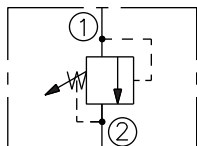
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus);

Cavity: ZY-VC08-2;

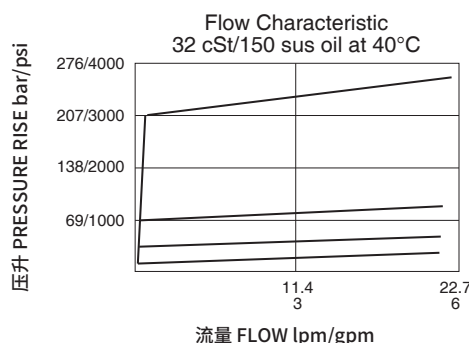


机能符号 SYMBOLS:

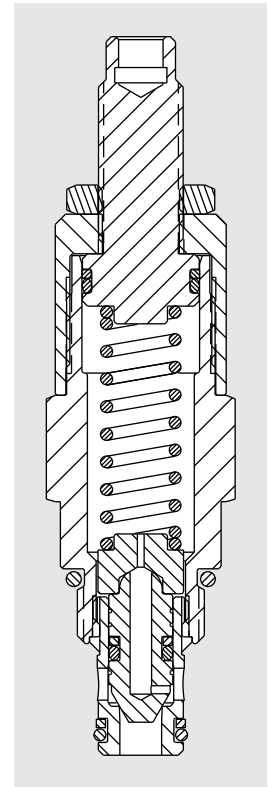
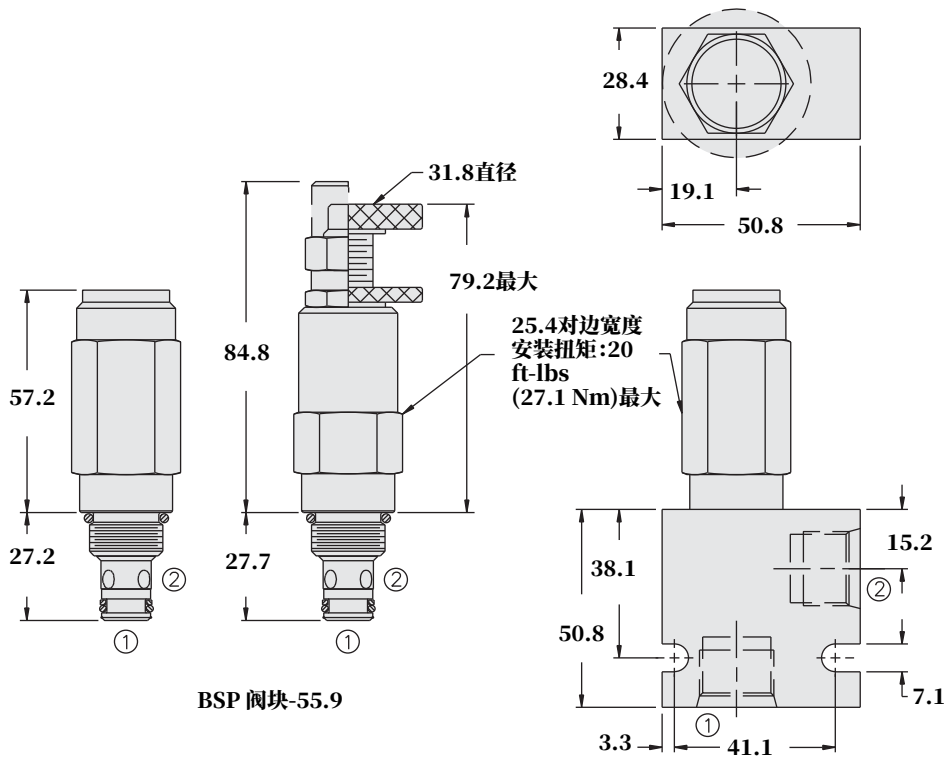
ISO:



性能图 PERFORMANCE: (Cartridge Only)



尺寸 DIMENSIONS:



特点 FEATURES:

- 调节装置不会旋出阀体。
- 调节选项 A, B : 确保弹簧不会被压实。
- 可选压力范围达 248 bar (3600 psi)。
- 压力变化响应快。
- 尺寸紧凑。
- Adjustments cannot be backed out of the valve.
- Adjustment options A, B : positive stops prevent springs from going solid.
- Optional spring ranges to 248 bar (3600 psi).
- Rapid response to pressure changes.
- Compact size.

订购型号 TO ORDER:

ZY-RV08-20

调节选项
Adjustment Option
S5内六角头 A
(S5 Hex Allen Head)
铝合金手柄 B
(Dia. Alum Knob)

(Porting) 阀块油口

(For ordering valve block models, see:6.0.0.00)

订购阀块型号请参见:6.0.0.00

(Seals)密封材料
仅指P上的压力:
Pressure on P Only:

Buna N(Sta)
N 丁腈橡胶(标准型)
V (Fluorocarbon)氟橡胶
双向压力:
Bidirectional Pressure:
Buna N(Sta)
NC 丁腈橡胶(标准型)
VC (Fluorocarbon)氟橡胶

设置(bar)
Setting in bar

(空白) 可调节或指定压力,
(Blank) for Adjustable, or Specify,
例如(for example):

M25 25 bar
M100 100 bar

设置(bar)
Setting in bar

(空白) 可调节或指定压力,
(Blank) for Adjustable, or Specify,
例如(for example):

9.0 900 psi
23.5 2350 psi

压力范围
Spring Range

3.45 ~ 34.48 bar
(50 ~ 500 psi)
6.90 ~ 75.86 bar
(100 ~ 1100 psi)
17.24 ~ 158.62 bar
(250 ~ 2300 psi)
17.24 ~ 248.28 bar
(250 ~ 3600 psi)

将可调节阀预设为该弹簧最大压力的50%。