

ZY-RV50-26 先导式溢流阀
ZY-RV50-26 Relief, Pilot-Operated Spool
描述 DESCRIPTION:

螺纹插装式, 二级先导型, 滑阀式溢流阀, 作为压力限制装置用于要求快速响应、低滞后的液压回路。

A screw-in, cartridge-style, pilot-operated (two-stage), spool-type hydraulic relief valve, intended for use as a pressure limiting device in demanding hydraulic circuits which require fast response and low hysteresis.

工作原理 OPERATION:

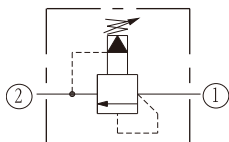
ZY-RV50-26 型, 常态下从 ① 流向 ② 封闭, 直到 ① 处受到足够的液压力使先导阀开启, 再推动主阀芯 (第二级) 移动, 使油液从 ① 流向 ②。该阀对液压回路的负载变化作平滑过渡。

注: RV50-26 型不能用作交叉溢流阀。

The **ZY-RV50-26** blocks flow from 1 to 2 until sufficient pressure is present at 1 to force the piloting relief off its seat, allowing the main (second stage) spool to shift, opening 1 to 2.

The cartridge offers smooth transition in response to load changes in demanding hydraulic circuits.

NOTE: The ZY-RV50-26 may not be used in cross-over relief applications (back pressure on 2).

机能符号 SYMBOLS:

特性 RATINGS:

工作压力: 345 bar (5000 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85%的开启压力下, 最大内泄为115毫升/分钟 (7 立方英寸/分钟)

开启压力定义: 当流量达到 7.6 lmp (2.0 gpm) 时的压力测量值 bar (psi)

闭合压力: 开启压力的90%;

标准弹簧压力范围: 27.6~345 bar (400~5000 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-VC10-2;

Operating Pressure: 345 bar (5000 psi);

Flow: The Performance Chart illustrates flow handling capacity at maximum setting. Pressure rise will vary with setting due to flow forces.

Internal Leakage: 115 cc/minute (7 cu. in./minute) max. to 85% of nominal setting

Crack Pressure Defined: bar (psi) evident at 7.6 lpm (2.0 gpm) attained

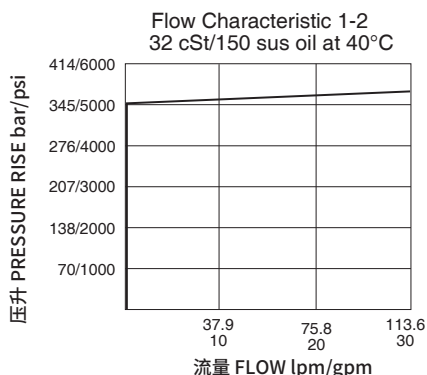
Reseat Pressure: Nominal 90% of crack pressure

Standard Spring Ranges: 27.6 to 345 bar (400 to 5000 psi)

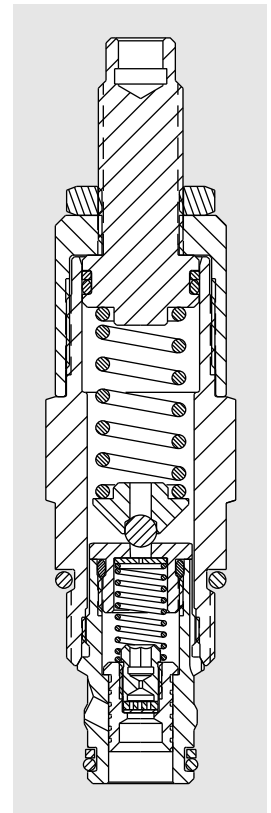
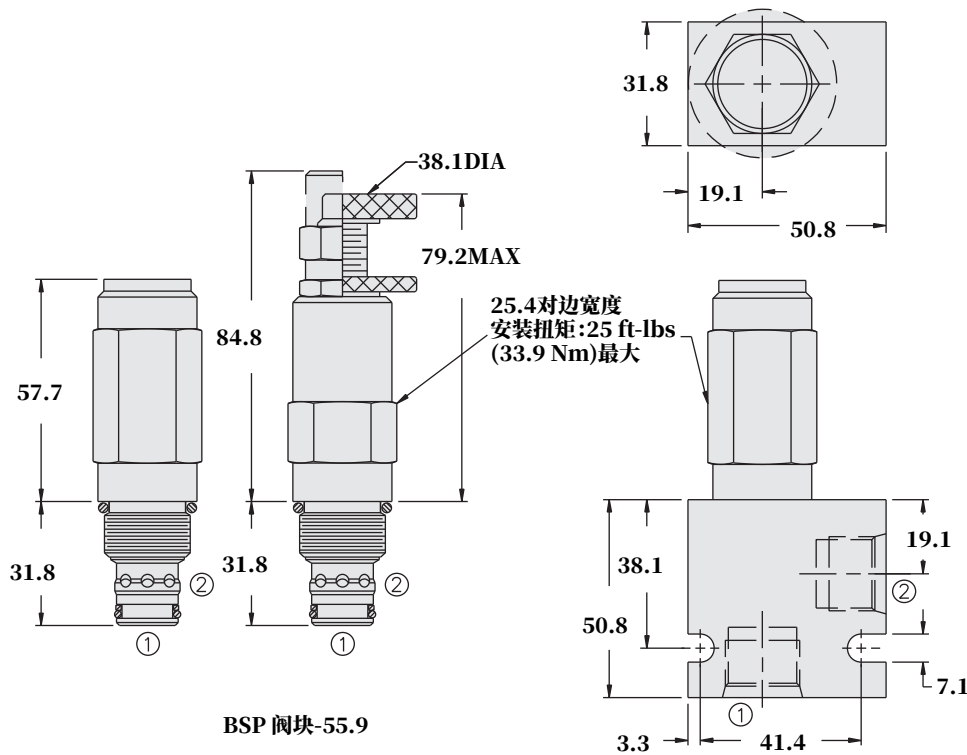
Temperature: -40 to 120°C with standard Buna seals

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

Cavity: ZY-VC10-2;

性能图 PERFORMANCE: (Cartridge Only)


尺寸 DIMENSIONS:



特点 FEATURES:

- 调节装置不会旋出阀体。
- 调节器确保弹簧不会被压实。
- 阀芯和阀套硬质处理, 耐用。
- 快速、平滑响应压力变化。
- 工业常规阀孔。
- Adjustments cannot be backed out of the valve.
- Adjustments prohibit springs from going solid.
- Hardened spool and cage for long life.
- Fast, smooth response to pressure surges.
- Industry common cavity.

订购型号 TO ORDER:

ZY-RV50-26

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:

Polyurethane(Sta)
聚氨酯橡胶(标准型)

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

50 27.6 to 345 bar
(400 to 5000 psi)

将可调节阀预设为该弹簧最大压力的50%。