

ZY-TS38-21 比例型电动溢流阀

ZY-TS38-21 Proportional Electric Relief Valve

描述 DESCRIPTION:

螺纹插装式、单级、座阀式压力溢流阀，利用可变电输入可实现指定范围内的连续调节。输出压力与 DC 电流输入成反比。

A screw-in, cartridge-style, single-stage, poppet-type pressure relieving valve, which can be infinitely adjusted across a prescribed range using a variable electric input. Pressure output is inversely proportional to DC current input.

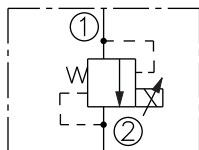
工作原理 OPERATION:

ZY-TS38-21 阻止从 ① 流向 ② 的流量，直到油口 ① 获得充分的压力来抵消弹簧预压力。在无电流情况下，溢流压力为弹簧最大压力 ± 50 psi。线圈中的电流减小弹簧力，进而减小阀的设定值。

The **ZY-TS38-21** blocks flow from 1 to 2 until sufficient pressure is present at 1 to open the valve by overcoming the preset spring force. With no current applied, the valve will relieve at ± 50 psi of the spring maximum. Applying current to the coil reduces the induced spring force thereby reducing the valve setting.

机能符号 SYMBOLS:

ISO:



特点 FEATURES:

- 12 和 24 伏线圈标准。
- 可选防水且符合 IP69K 标准的 E 型线圈。
- 工业通用阀孔。
- 部件材质硬，耐用。
- 12 and 24 volt coils standard.
- Optional waterproof E-Coils rated up to IP69K.
- Industry common cavity.
- Hardened parts for long life.

特性 RATINGS:

最大工作压力: 240 bar (3500 psi)

最大控制电流: 12 VDC 线圈为 1.10 A; 24 VDC 线圈为 0.55 A。

控制电流由零变到最大时的溢流压力范围: 最小压力可由工厂设定。(A) 207–6.9 bar (3000–100 psi)(B) 138–6.9 bar (2000–100 psi)(C) 69–6.9 bar (1000–100 psi)

额定流量: 1.1 lpm/0.3 gpm; 压降 = 10 bar (150 psi) (仅指插装阀), 由 ① 流向 ②, 线圈通电。

通道: 自由流通: ① 流向 ②, 线圈通电; 溢流: ① 流向 ②, 线圈断电。

温度范围: -40~120°C (-40~250°F), 标准型丁腈橡胶密封。

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;

Maximum Operating Pressure: 240 bar (3500 psi)

Maximum Control Current: 1.10 amps for 12 VDC coil; 0.55 amps for 24 VDC coil

Relief Pressure Range from Zero to Maximum Control Current:

Minimum Pressure is factory adjustable.

(A) 207–6.9 bar (3000–100 psi); (B) 138–6.9 bar (2000–100 psi)

(C) 69–6.9 bar (1000–100 psi); (D) 241–6.9 bar (3500–100 psi)

Rated Flow: 1.1 lpm/0.3 gpm; $\Delta P = 10$ bar (150 psi), cartridge only, 1 to 2 coil energized

Flow Path: Free Flow: 1 to 2 coil energized; Relieving: 1 to 2 coil de-energized

Temperature: -40 to 120°C (-40 to 250°F) with standard Buna N seals

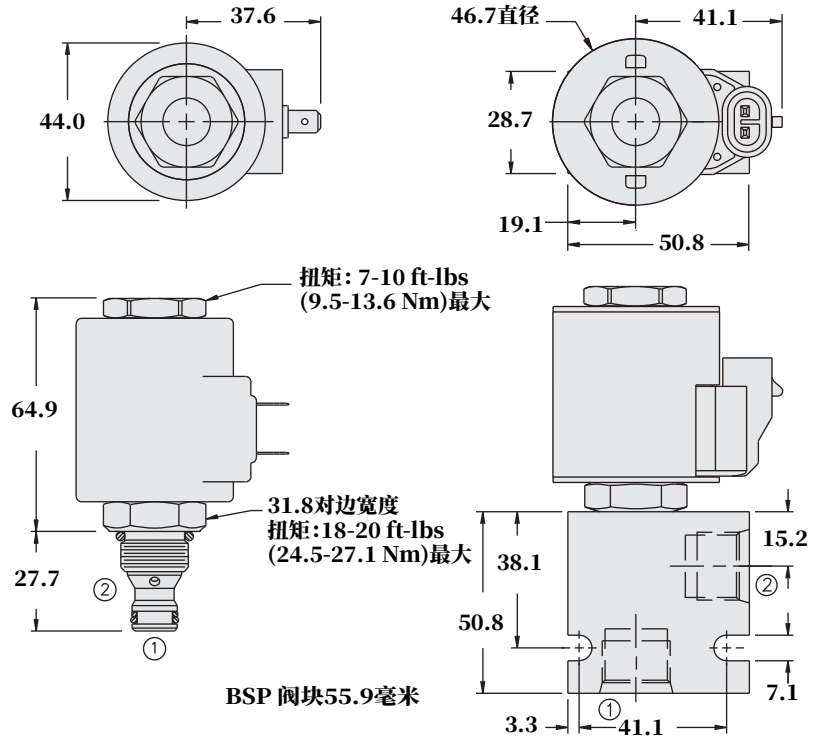
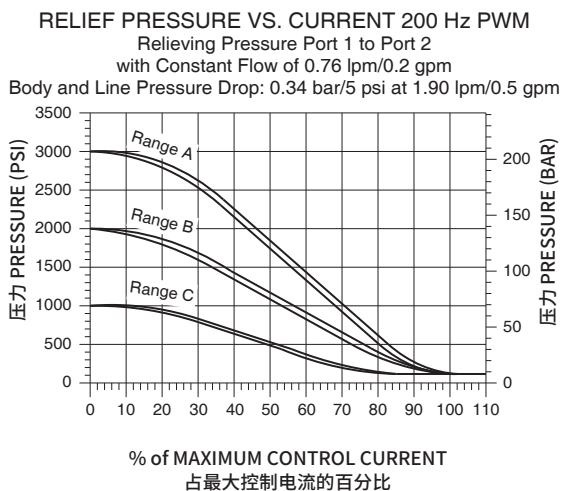
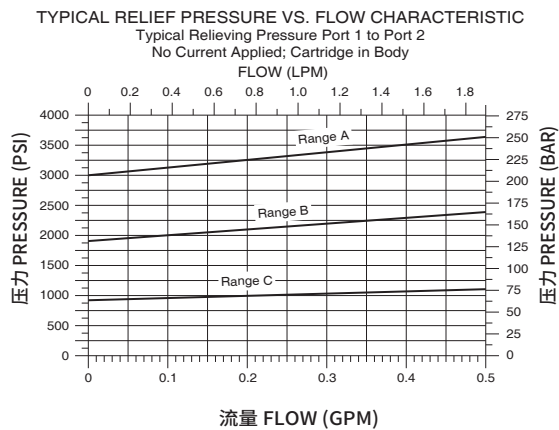
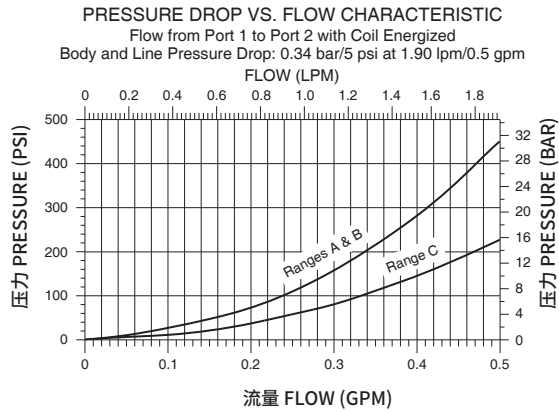
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus);

Cavity: ZY-VC08-2;

ZY-TS38-21

性能图 PERFORMANCE:

尺寸 DIMENSIONS:



订购型号 TO ORDER:

ZY-TS38-21

最大工作压力 (Maximum Operating Pressure)

- 207 bar (3000 psi) A
- 138 bar (2000 psi) B
- 69 bar (1000 psi) C
- 241 bar (3500 psi) D

(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

- Buna N(Sta) N
- 丁腈橡胶(标准型)
- (Fluorocarbon)氟橡胶 V

标准线圈终端(VDC) Termination(VDC)Std.Coil

- DS Dual Spades 双扁形接头
- DG DIN 43650
- DL Leadwires 导线(2)
- DL/W Leads w/Weather-Pack® Connectors 导线,带连接器

Coils with internal diode are available.
Consult factory.
提供带内置二极管的线圈.请咨询工厂

电压 Voltage

- 0 无线圈(Less Coil)
- 10 10 VDC (最大 1.30 A)
- 12 12 VDC (最大 1.10A)
- 20 20 VDC (最大 0.65 A)
- 24 24 VDC (最大 0.55 A)