

ZY-SV10-21 座阀, 2 通,常开 ZY- SV10-21 Poppet, 2-Way, Normally Open

描述 DESCRIPTION:

电磁驱动、2通、导控座阀式、常开、液压螺纹插装阀, 用于要求低泄漏的负载保持应用。
A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed for low leakage in load-holding applications.

工作原理 OPERATION:

断电时, **ZY-SV10-21** 允许油液从②流向①。在此工况下, 油液从①流向② 的流动将受到巨大限制。通电后, 阀芯关闭阀座, 从而截止从油液从 ② 流向 ① 流动。在此工况下, 在 ①口的压力克服电磁力(所需压力为3.4至10.3 bar [50至150 psi])后, 插装阀 允许油液从 ① 流向 ②。

应急手控选件操作方法: 要进行应急操作, 请按住应急按钮。

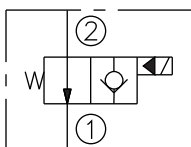
When de-energized, the **ZY-SV10-21** allows flow from 2 to 1. Flow from 1 to 2 is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from 2 to 1. In this mode the cartridge will allow 1 to 2 flow after overcoming the solenoid force (requires 3.4 to 10.3 bar / 50 to 150 psi).

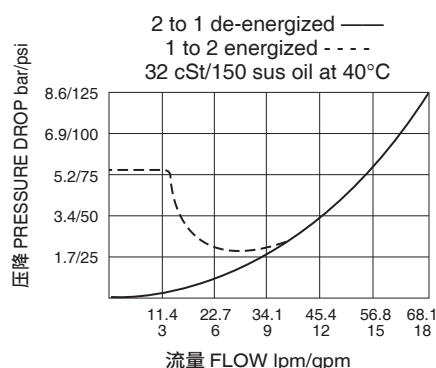
Operation of Manual Override Option: To override, push and hold override button.

机能符号 SYMBOLS:

ISO:



性能图 PERFORMANCE: (Cartridge Only)



特性 RATINGS:

工作压力: 207 bar (3000 psi)

耐压: 354 bar (5000psi)

流量: 参见性能图

内部泄漏: 在 207 bar (3000 psi) 时, 最大为 0.15 毫升/分钟(3 滴/分钟)

温度范围: -40至120°C, 标准丁腈橡胶密封

线圈额定负载: 可在 85% 至 115% 的额定电压范围内连续工作

响应时间: 电压为100%, 流量为额定值的80%时, 首次指示状态变化的时间: 通电: 80毫秒; 断电: 30毫秒。

最小吸合电压: 207 bar (3000 psi) 时为额定值的 85%

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: 207 bar (3000 psi)

Proof Pressure: 345 bar (5000 psi)

Flow: See Performance Chart

Internal Leakage: 0.15 cc/minute (3 drops/minute) max. at 207 bar (3000 psi)

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

Coil Duty Rating: Continuous from 85% to 115% of nominal voltage

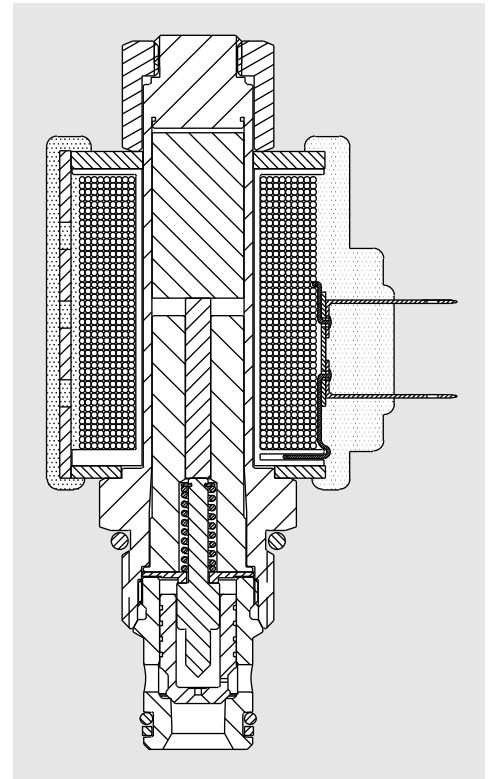
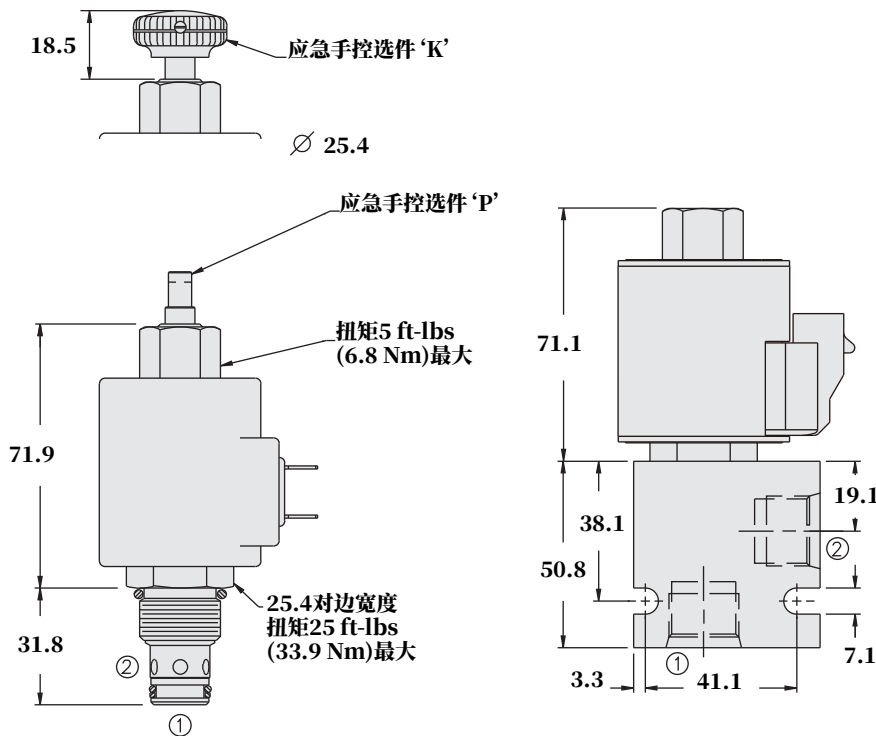
Response Time: First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 80msec.; De-energized: 30 msec.

Minimum Pull-in Voltage: 85% of nominal at 207 bar (3000 psi)

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

Cavity: ZY-VC10-2;

尺寸 DIMENSIONS:



特点 FEATURES:

- 额定电磁线圈适合连续工作。
- 阀座经硬质处理, 耐用且低泄漏。
- 可选线圈电压和终端。
- 高效湿式衔铁结构。
- 插件电压可互换。
- 整体模铸型线圈设计。
- 工业通用阀孔。
- 应急手控选项。
- 可选 IP69K 防水 E 型线圈。

- Continuous duty-rated solenoid.
- Hardened seat for long life and low leakage.
- Optional coil voltages and terminations.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Unitized, molded coil design.
- Industry common cavity.
- Manual override option.
- Optional waterproof E-Coils rated up to IP69K.

订购型号 TO ORDER:

ZY-SV10-21

(Option) 选项
(None) 无(空白)
(Screen) 滤网 S
(Manual Override) 应急手控
(without Knob) 无手柄 P
(Manual Override) 应急手控
(with Knob) 带手柄 K

(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)
丁腈橡胶(标准型) N
(Fluorocarbon)氟橡胶 V

标准线圈电压
(Voltage Std. Coil)

0 无线圈**
10 10 VDC
12 12 VDC
24 24 VDC
36 36 VDC
48 48 VDC
24 24 VAC
110 110 VAC
115 115 VAC
220 220 VAC
230 230 VAC

**包括标准线圈螺母
*仅限DS、DW或DL终端
**Includes Std. Coil Nut AG
† DS, DW or DL terminations only.

E型线圈(E-Coil)

10 10 VDC
12 12 VDC
20 20 VDC
24 24 VDC

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
DR Deutsch DT04-2P

标准线圈终端(VAC)
Termination(VAC)Std.Coil

AG DIN 43650
AP 1/2英寸导线管

E型线圈终端(VDC)
Termination(VDC)E-Coil

ER Deutsch DT04-2P (IP69K Rated)符合标准
EY Metri-Pack® 150 (IP69K Rated)符合标准

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