

ZY-SV12-21 座阀, 2 通,常开 ZY- SV12-21 Poppet, 2-Way, Normally Open

描述 DESCRIPTION:

电磁驱动、2通、常开、座阀式、液压螺纹插装阀, 在要求低内部泄漏的应用中用作截止阀或负载保持阀。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

工作原理 OPERATION:

断电时, ZY-SV12-21 用作单向阀, 允许油液从①流向②, 同时截止油液反向流动。断电后, 阀芯提升, 从而接通了从②流向①的油液通道。在此工况下, 油液从①流向②的流动将受到巨大限制。

应急手控选件操作方法: 要进行应急操作, 请按住应急按钮。

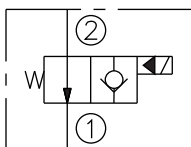
When de-energized, the ZY-SV12-21 acts as a check valve, allowing flow to pass from 1 to 2, while blocking flow in the reverse direction.

When de-energized, the poppet lifts to open the 2 to 1 flow path after overcoming the solenoid force (requires 3.4 to 10.3 bar / 50 to 150 psi). In this mode, flow from 1 to 2 is severely restricted.

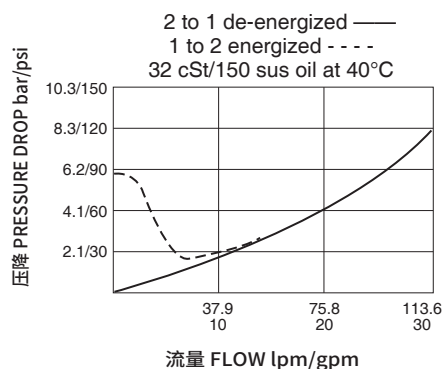
Operation of Manual Override Option: To override, push and hold override button.

机能符号 SYMBOLS:

ISO:



性能图 PERFORMANCE: (Cartridge Only)



特性 RATINGS:

工作压力: 240 bar (3500 psi)

流量: 参见性能图

内部泄漏: 在 240 bar (3500 psi) 时, 最大为 0.15 毫升/分钟 (3 滴/分钟)

温度范围: -40°C 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: 110 毫秒; 断电: 40 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-VC12-2;

Operating Pressure: 240 bar (3500 psi)

Flow: See Performance Chart

Internal Leakage: 0.15 cc/minute (3 drops/minute) max. at 240 bar (3500 psi)

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

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

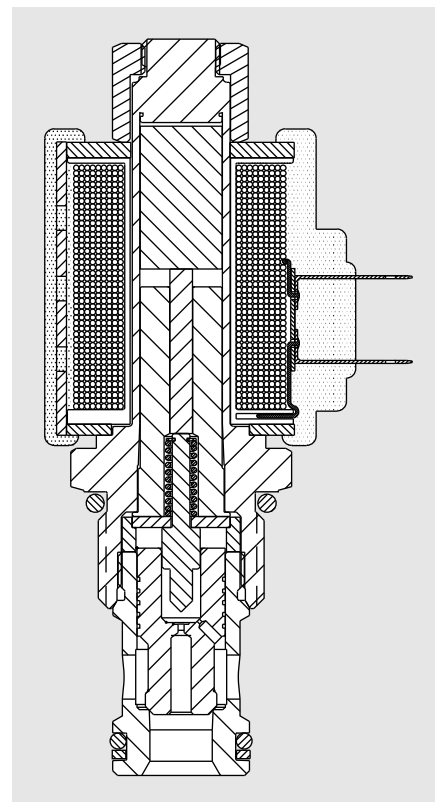
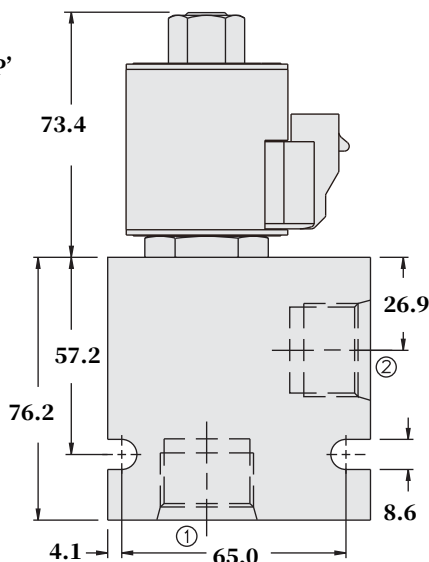
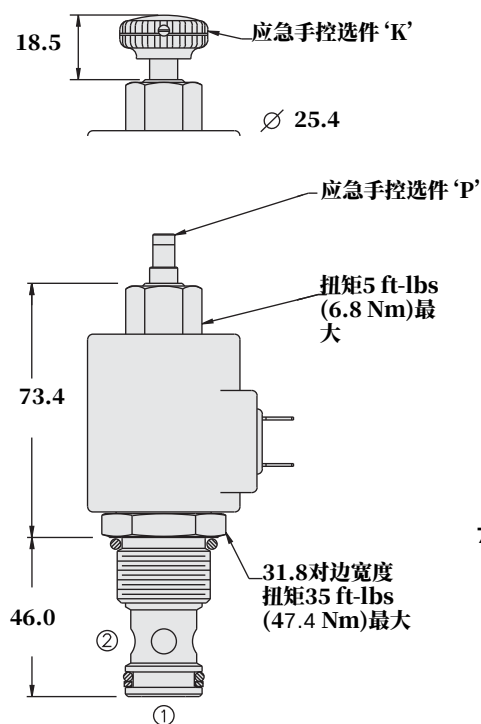
Response Time: First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 110 msec.; De-energized: 40 msec.

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-VC12-2;

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。
- 应急手控选项。
- 可选 IP69K 防水 E 型线圈。
- 高效低成本阀孔。

- 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.
- Manual override option.
- Optional waterproof E-Coils rated up to IP69K.
- Cost effective cavity.

订购型号 TO ORDER:

ZY-SV12-21

(Option) 选项
(None) 无(空白)

(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