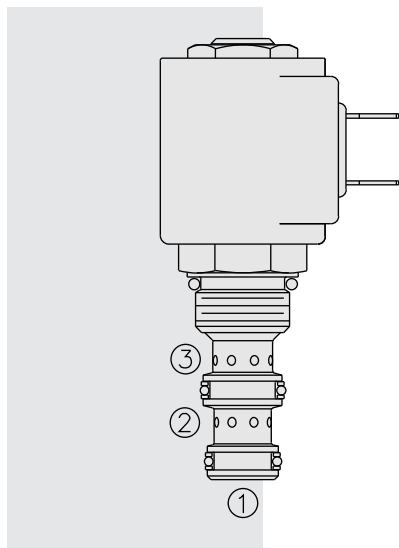


ZY-SV10-31 换向阀, 3 通 ZY-SV10-31 Spool, 3-Way



描述 DESCRIPTION:

电磁驱动、3 通、直动阀芯式、液压螺纹插装阀。

A solenoid-operated, three-way, direct-acting, spool-type, screw-in hydraulic cartridge valve.

工作原理 OPERATION:

断电时, ZY-SV10-31 允许油液从 ② 流向 ①, 而在 ③ 处截止。

通电后, 阀芯移动, 从而接通 ① 流向 ③, 而在 ② 处截止。

应急手控选件操作方法: 要进行应急操作时, 请按下按钮, 在逆时针旋转180°后松开。内置弹簧会将按钮推出。在此位置, 阀可能只是部分移动。要确保实现完全应急移动, 请将按钮拉至其最大行程, 然后保持在此位置。要恢复正常的阀功能, 请按下按钮, 在顺时针旋转 180°后松开。应急手控选件将锁定在此位置。

When de-energized, the ZY-SV10-31 allows flow from 2 to 1, while blocking flow at 3.

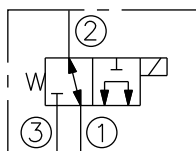
When energized, the valve shifts to open from 1 to 3, while blocking at 2.

Operation of Manual Override Option: To override, push button in and twist counterclockwise 180°. The internal spring will push the button out. In this position, the valve may be only partially shifted. To assure full override shift, pull the button out to its fullest extension and hold it in this position.

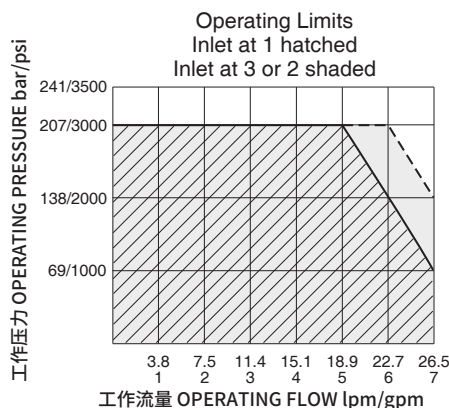
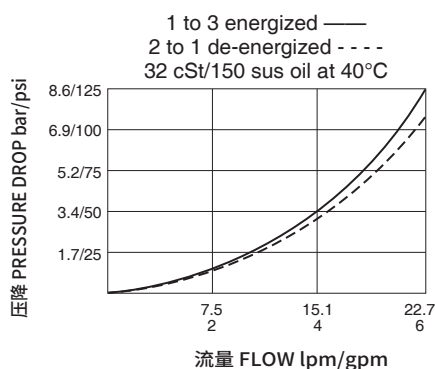
To return to normal valve function, push button in, twist clockwise 180°, and release. Override will be detented in this position.

机能符号 SYMBOLS:

ISO:



性能图 PERFORMANCE: (Cartridge Only)



工作压力: 207 bar (3000 psi)

耐压: 350 bar (5075 psi)

流量: 最大 22.7 lpm (6 gpm)

内部泄漏: 在 207 bar (3000 psi) 时, 最大为 82 毫升/分钟 (5 立方英寸/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: 60 毫秒; 断电: 10 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-VC10-3;

Operating Pressure: 207 bar (3000 psi)

Proof Pressure: 350 bar (5075 psi)

Flow: 22.7 lpm (6 gpm) max.

Internal Leakage: 82 cc/minute (5 cu. in./minute) max. at 207 bar (3000 psi)

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

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

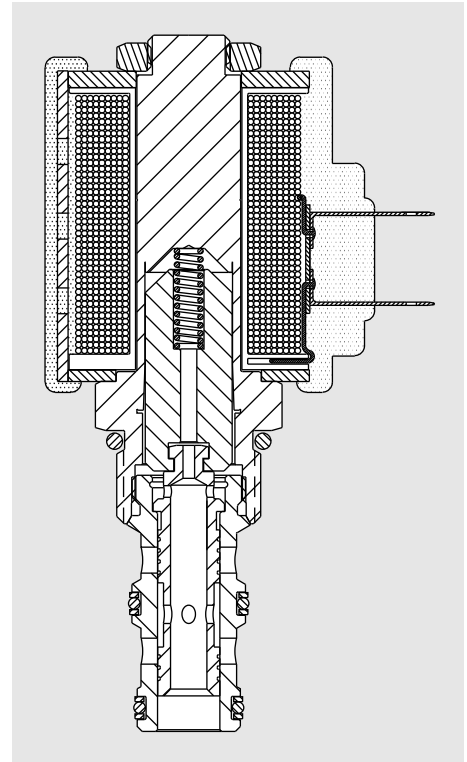
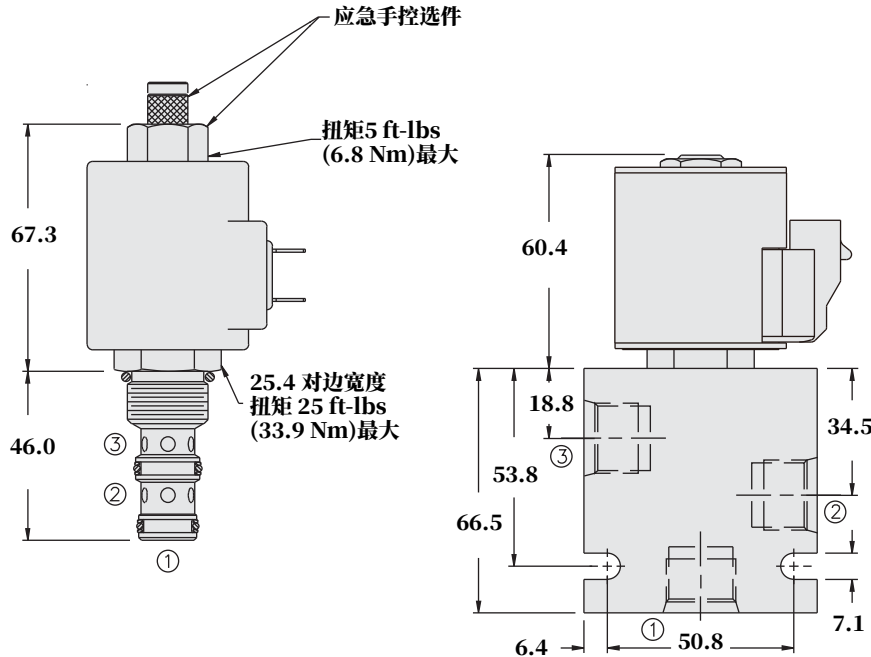
Response Time: First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 60 msec.; De-energized: 10 msec.

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-VC10-3;

尺寸 DIMENSIONS:



特点 FEATURES:

- 额定电磁线圈适合连续工作。
- 阀芯与阀套经硬处理, 耐用。
- 可选线圈电压和终端。
- 高效湿式衔铁结构。
- 可以对所有油口完全加压。
- 插件电压可互换。
- 应急手控选项。
- 可选 IP69K 防水 E 型线圈。
- 整体模铸型线圈设计。
- 工业通用阀孔。

- Continuous-duty rated solenoid.
- Hardened precision spool and cage for long life.
- Optional coil voltages and terminations.
- Efficient wet-armature construction.
- All ports may be fully pressurized.
- Cartridges are voltage interchangeable.
- Manual override option.
- Optional waterproof E-Coils rated up to IP69K.
- Unitized, molded coil design.
- Industry common cavity.

订购型号 TO ORDER:

ZY-SV10-31

(Option) 选项
(None) 无(空白)

(Manual Override) 应急手控 M
(Manual Override) 应急手控 Y
(Manual Override) 应急手控 J

(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