

ZY-SV12-20 座阀，2 通，常闭 ZY-SV12-20 Poppet, 2-Way, Normally Closed

描述 DESCRIPTION:

电磁驱动、2通、常闭、座阀式、液压螺纹插装阀，在要求极小内泄漏的应用中用作负载保持阀或截止阀。

A solenoid-operated, 2-way, normally closed, 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:

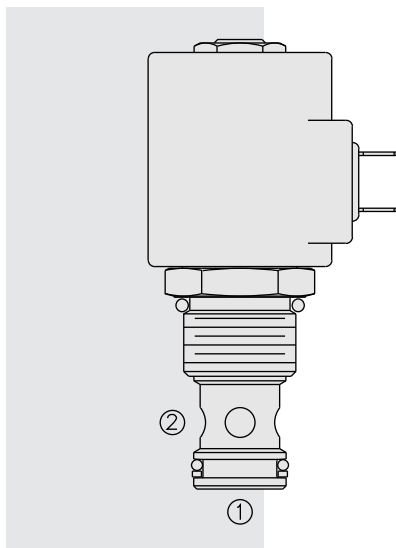
断电时，ZY-SV12-20用作单向阀，允许油液从①流向②，同时截止油液反向流动。通电后，阀芯提升，从而打开从②流向①的油液通道。在此工况下，油液从①流向②的流动将受到巨大限制。

应急手控选件操作方法：逆时针旋转旋钮 2 圈，②到①开启；顺时针旋转旋钮 2 圈，返回常态。

When de-energized, the ZY-SV12-20 acts as a check valve, allowing flow to pass from 1 to 2, while blocking flow in the reverse direction.

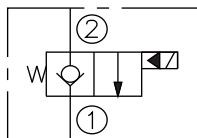
When energized, the poppet lifts to open the 2 to 1 flow path. In this mode, flow from 1 to 2 is severely restricted.

Operation of Manual Override Option: Rotate the knob counterclockwise for 2 turns, ② to ① open; rotate clockwise Rotate the knob for 2 turns to return to the normal state.

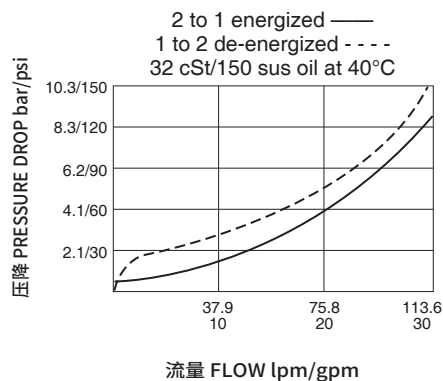


机能符号 SYMBOLS:

ISO:



性能图 PERFORMANCE: (Cartridge Only)



特性 RATINGS:

工作压力: 240 bar (3500 psi)

耐压: 390 bar (5700 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：40毫秒；断电：80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);

Proof Pressure: 390 bar (5700 psi);

Flow: See Performance Chart;

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

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

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

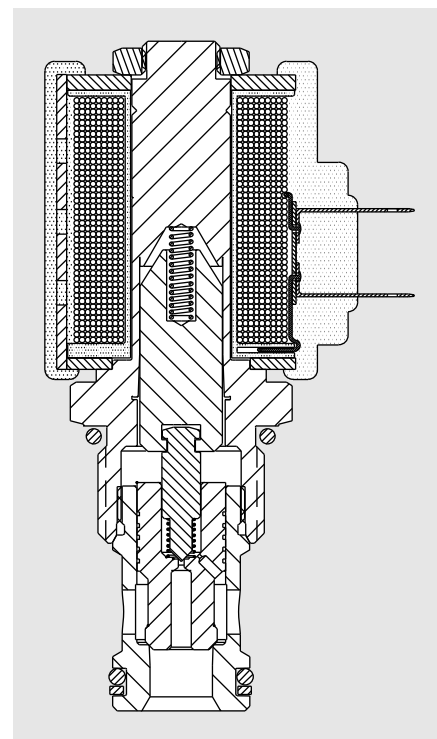
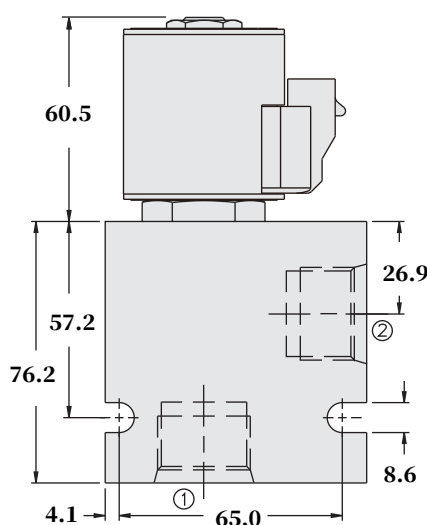
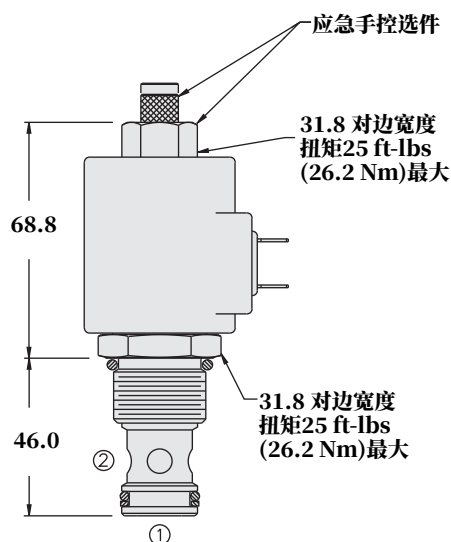
Response Time: First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 40 ms De-energized: 80 ms;

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。
- 应急手控选项。
- 可选 IP69K 防水 E 型线圈。
- 整体压铸型线圈设计。
- 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.
- Manual override option.
- Optional waterproof E-Coils rated up to IP69K.
- Unitized, molded coil design.
- Cost effective cavity.

订购型号 TO ORDER:

ZY-SV12-20

(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