

ZY-SV08-47E 换向阀, 3 位, 4 通
ZY-SV08-47E Spool, 4-Way, 3-Position
描述 DESCRIPTION:

电磁驱动、3 位 4 通、直动阀芯式、液压螺纹插装阀。

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

工作原理 OPERATION:

断电时, **ZY-SV08-47E** 在 ③ 和 ④ 阻止油液流动, 而允许油液从 ② 流向 ①。

线圈 1 (S1) 通电后, 阀芯移动, 允许油液从 ③ 流向 ④ 和从 ② 流向 ①。

线圈 2 (S2) 通电时, 允许油液可以从 ② 流向 ③, 以及从 ④ 流向 ①。

在由于油缸面积比而造成工作油口流量不平衡的油路中, 较大流量的回油应导入油口 ②。

虽然可以对油口 ① 完全加压, 但其不用作阀的进油口。

When de-energized, the **ZY-SV08-47E** blocks flow at 3 and 4, while allowing flow from 2 to 1.

When coil #1 (S1) is energized, the spool shifts to allow flow from 3 to 4 and 2 to 1.

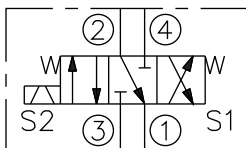
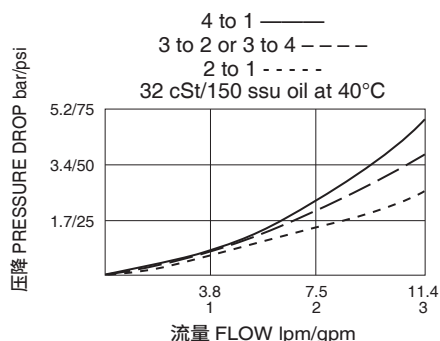
When coil #2 (S2) is energized flow is allowed from 2 to 3 and from 4 to 1.

In circuits where work port flows are unequal due to cylinder ratios, the higher return flow should be directed to port 2.

While 1 may be fully pressurized, it is not intended for use as the valve's inlet.

机能符号 SYMBOLS:

ISO:


性能图 PERFORMANCE: (Cartridge Only)

特性 RATINGS:

工作压力: 207 bar (3000 psi)

流量: 最大 11.4 lpm (3 gpm)

内部泄漏: 在 207 bar (3000 psi) 时, 最大为 164 毫升/分钟 (10 立方英寸/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

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-VC08-4;

Operating Pressure: 207 bar (3000 psi);

Flow: 11.4 lpm (3 gpm) max.

Internal Leakage: 164 cc/minute (10 cu. in./minute) max. at 207 bar (3000 psi)

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

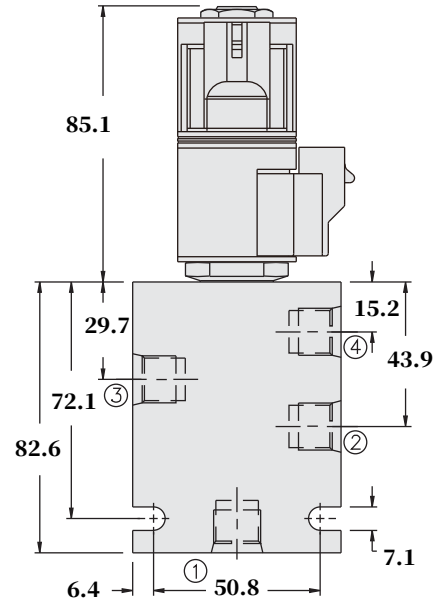
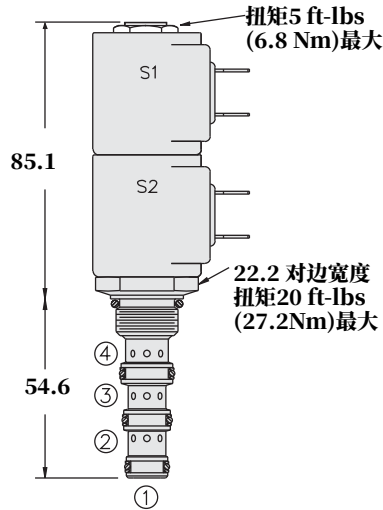
Coil Duty Rating: Continuous from 85% to 115% of nominal voltage ;

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-VC08-4;

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。
 - 整体模铸型线圈设计。
 - 工业通用阀孔。
 - 可选 IP69K 防水 E 型线圈。
-
- 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.
 - Unitized, molded coil design.
 - Industry common cavity.
 - Optional waterproof E-Coils rated up to IP69K.

订购型号 TO ORDER:

ZY-SV08-47E

(Option) 选件
(None) 无(空白)

(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
(Votage 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