

ZY-DC08-40-0-N-25 液控单向阀
ZY-DC08-40-0-N-25 Pilot Operated Check Valve
描述 DESCRIPTION:

双重液控单向阀, 用于截止或负载保持油路。

A dual pilot operated check valve for use in blocking or load-holding circuits.

工作原理 OPERATION:

ZY-DC08-40-0-N-25 在 ① 流向 ② 和 ④ 流向 ③ 方向上截止油液流动。当油口 ② 和/或油口 ③ 受到一定压力时, 油液可以反方向流动。

该单向阀的液控比为 3:1, 因此液控管路(油口 ② 或 ③)的压力至少应为油口 ④ 或油口 ① 处负载压力的 1/3, 才能打开通道使油液从油口 ④ 或 ① 流出。

在静态或无负载情况下, 25 psi 的弹簧压力确保阀口关闭。可提供压力为 135 psi 的复位弹簧。

The **ZY-DC08-40-0-N-25** will block flow from 1 to 2, and from 4 to 3. Flow is allowed in the opposite direction when pressure is applied to port 2 and/or port 3.

The valve has a 3:1 pilot ratio, so at least 1/3 of the load pressure at port 1 or 4 is required at the pilot lines (ports 2 or 3) to open the flow passage to allow flow from ports 1 or 4.

The check is spring-biased at 25 psi to assure holding in a static or no load condition. An optional spring biased at 135 psi is available.

特性 RATINGS:

工作压力: 入口处: 240 bar (3500 psi)

流量: 入口处额定流量: 19 lpm (5 gpm); 参见性能图

液控比: 3:1

单向阀弹簧预压力: 1.7 bar (25 psi);

内部泄漏: 在 210 bar (3000 psi) 时, 最大为 0.25 毫升/分钟 (5 滴/分钟)

温度范围: -40°C ~ 120°C (标准丁腈橡胶密封)

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: Inlet: 240 bar (3500 psi)

Flow: Rated Inlet Flow: 19 lpm (5 gpm); see performance chart

Pilot Ratio: 3:1

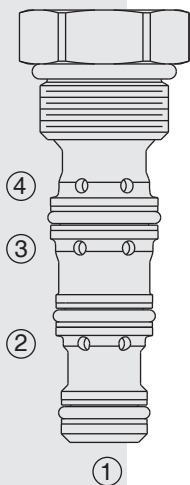
Check Spring Bias: 1.7 bar (25 psi);

Leakage: 5 drops per minute (0.25 ml per minute) at 3000 psi

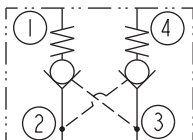
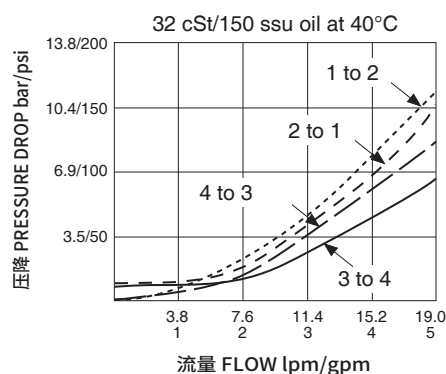
Temperature: -40 to 120°C with Buna N seals

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

Cavity: ZY-VC08-4;

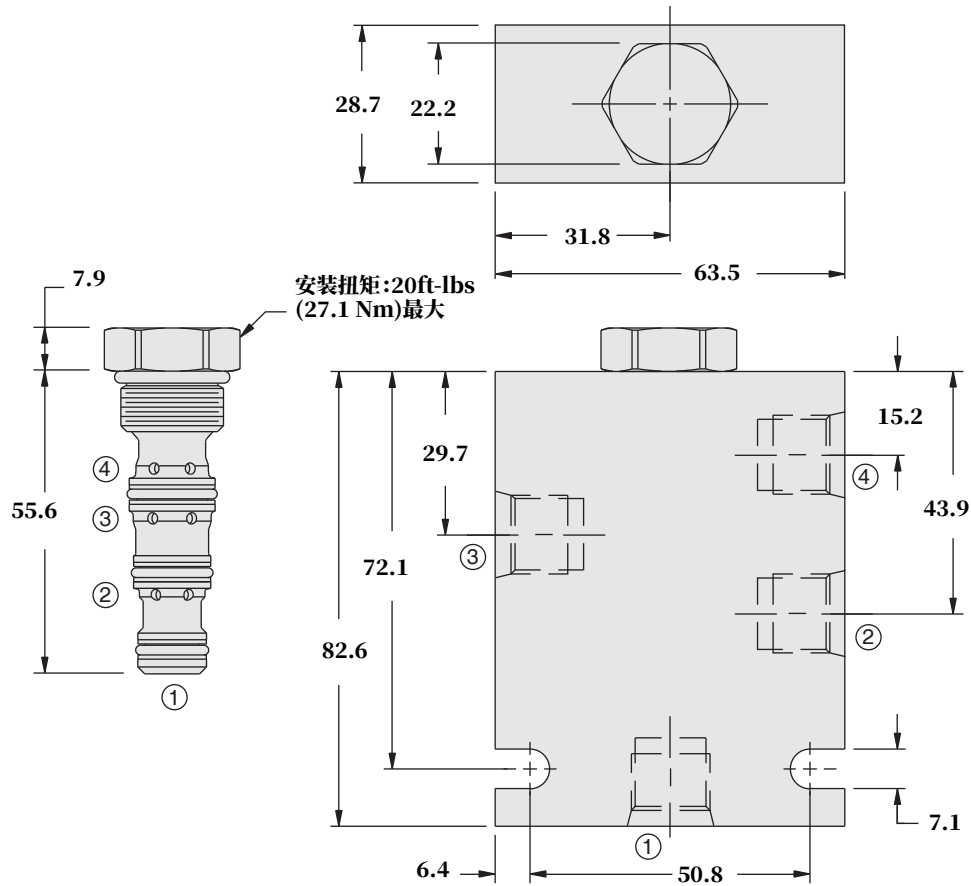

机能符号 SYMBOLS:

ISO:


性能图 PERFORMANCE: (Cartridge Only)


ZY-DC08-40-0-N-25

尺寸 DIMENSIONS:



特点 FEATURES:

- 阀座经硬质处理, 耐用, 低泄漏。
- 压力损失小。
- Hardened seat for long life and low leakage.
- Low pressure drop.

订购型号 TO ORDER:

ZY-DC08-40 - - -

(Porting) 阀块油口
(For ordering valve block models, see:)
订购阀块型号请参见:

弹簧规格
Bias Spring
25 1.7 bar (25 psi), 标准型

(Seals) 密封材料
Buna N (Sta)
丁腈橡胶 (标准型) N