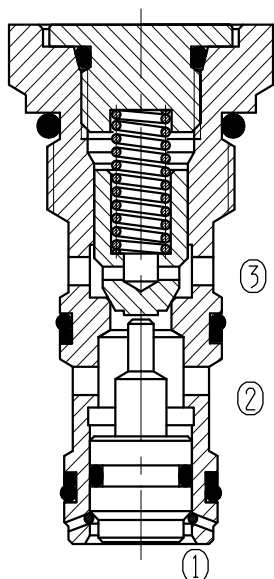


ZY-YDF10-00 液控单向阀 锥阀型
ZY-YDF10-00 Check, Pilot-to-Open Poppet-type)

描述 DESCRIPTION:

螺纹插装式液控单向阀, 用于单向截止或负载保持油路。

A screw-in, cartridge-style, pilot-operated, hydraulic check valve for use in blocking or load-holding circuits.

工作原理 OPERATION:

ZY-YDF10-00 此阀使用时, 允许液流以很低的压力降从②到③口, 同时阻止液流从③口到②口。

当①口压力足够大并克服弹簧力和液压力后, 允许从③口到②口流动。

此阀控制比为2.2:1即1口压力达到③口压力的1/2.2时, 允许液流从③口到②口流动。

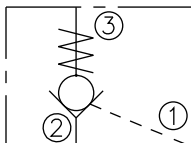
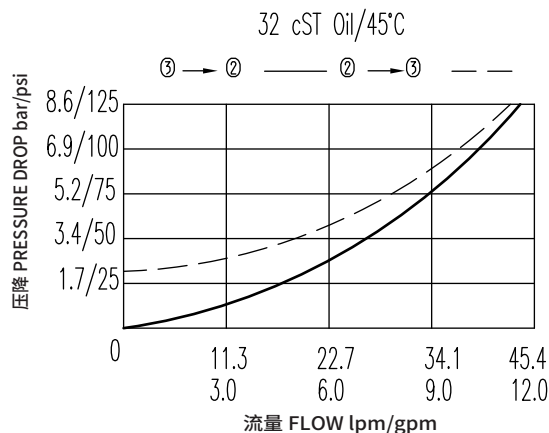
The **ZY-YDF10-00** allows flow 2 to 3 with very low pressure drop, while blocks flow from 3 to 2.

The valve blocks flow from 3 to 2 until sufficient pressure is applied at 1.

The valve has a 2.2:1 pilot ratio, meaning that at least 1/2.2 of the load pressure held at 3 is required at 1 to open the valve.

机能符号 SYMBOLS:

ISO:


性能图 PERFORMANCE: (Cartridge Only)

特性 RATINGS:

最高工作压力: 240 bar (3500 psi)

可通过最大流量: 18升/分钟

内部泄漏: ③ 流向 ②: 在 210 bar时, ≤ 0.3 毫升/分钟

液控比: 2.2:1 ; 2.8:1

单向阀弹簧预压力: 1.72 bar (25 psi), 标准型使用密封活塞: 最小为 6.2 bar (90 psi)

温度范围: -30°C ~ 100°C

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-T5-S2

MAX working pressure: 240 bar (3500 psi);

Flow Max: 18 L/min

Internal Leakage: 3 to 2: ≤ 0.3 ml/minute at 210 bar

Pilot Ratio: 2.2 : 1 ; 2.8 : 1

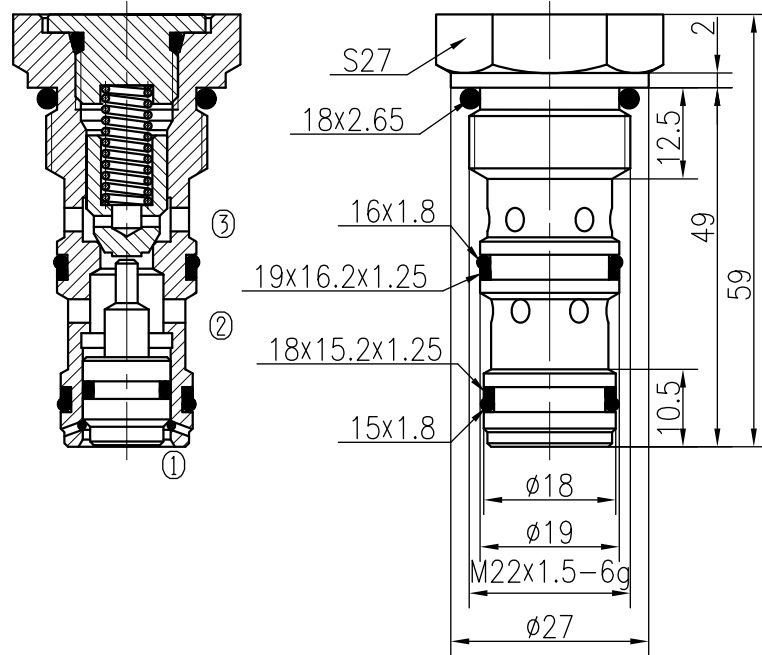
Check Spring Bias: 1.72 bar (25 psi) standard; With sealed piston option: 6.2 bar (90 psi) minimum

Temperature: -30 to 100 °C

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

Cavity: ZY-T5-S2

尺寸 DIMENSIONS:



特点 FEATURES:

- 阀座经硬质处理, 耐用, 低泄漏。
- 可选密封活塞。
- 可选压力范围。
- 尺寸紧凑。

- Hardened seat for long life and low leakage.
- Optional sealed piston.
- Optional spring ranges.
- Compact size.

订购型号 TO ORDER:

ZY-YDF10-00

(Piolt Ratio)控制比

2.2:1 05
2.8:1 10

(Seals)密封材料

Buna N(Sta)
丁腈橡胶(标准型) N
(Fluorocarbon)氟橡胶 V

开启压力
Cracking Pressure

05 2 bar
10 4.8 bar