

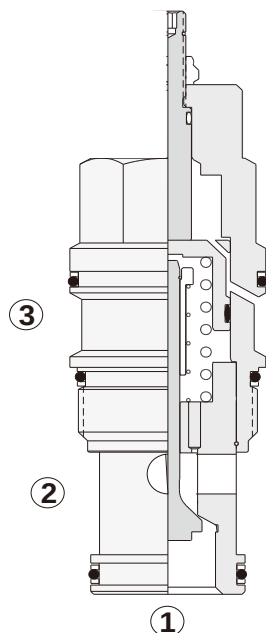
ZY-CK*B-XCN 液控单向阀（带标准导压）

ZY-CK*B-XCN Pilot-to-open check valve with standard pilot

描述 DESCRIPTION:

此阀为先导液控单向阀。它具有非密封导压，钢质阀座并为非透气型。

This valve is a pilot check valve . It has a non-sealed pilot, a steel seat, and is non-vented.



工作原理 OPERATION:

ZY-CK*B-XCN 它允许液流从阀口(口2)向负载口(口1)自由流动, 截止其反向液流。

先导口(口3)的压力使阀开启从口1到口2的流道。

口3需要的开启先导压力与口1的负载压力直接成正比。

口2压力将直接抵抗先导压力。

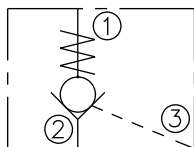
The **ZY-CK*B-XCN** It allows free flow from the valve (port 2) to the load (port 1) and blocks flow in the opposite direction.

Pressure at the pilot (port 3) will open the valve from port 1 to port 2.

Pilot pressure needed at port 3 to open the valve is directly proportional to the load pressure at port 1.

Pressure at port 2 directly opposes pilot pressure.

机能符号 SYMBOLS:



特点 FEATURES:

- 只有30psi或者75psi (2bar或者5bar) 两种单向开启压力。
- 非常低的泄漏量。阀座和阀芯经过热处理可以有更长的使用寿命。
- 标准未完全密封的先导油路可以使得困在先导油液中的空气排出油路。

- Available only with 30 psi or 75 psi (2 bar or 5 bar) check valve cracking pressures.
- Extremely low leakage. The seat and poppet are heat treated for long life.
- Standard unsealed pilot allows air trapped in the pilot line to be purged from the circuit.

特性 RATINGS:

最大操作压力:350 bar(5000 psi)

先导比:3:1

110 SUS (24 cSt)下的最大泄漏:0.07 cc/min.(1 drops/min)

温度范围:-40℃~120℃

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

Maximum Operating Pressure: 350 bar(5000 psi)

Pilot Ratio: 3:1

Maximum Valve Leakage at 110 SUS (24 cSt): 0.07 cc/min.(1 drops/min)

Temperature: -40 to 120 °C

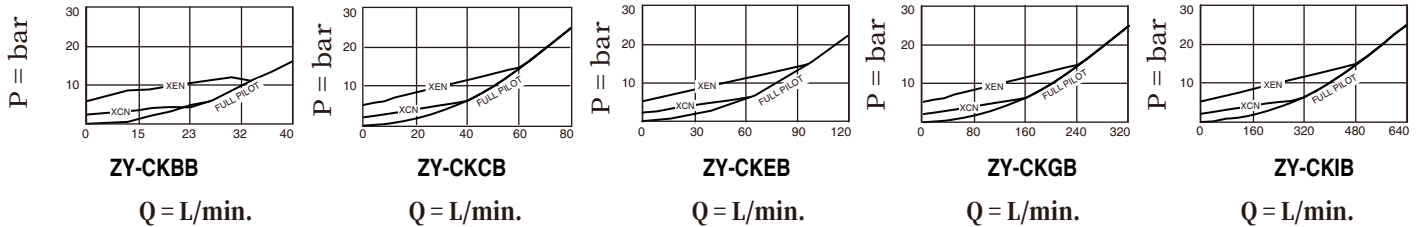
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus);

流量Flow	型号Model	插孔Cavity	安装扭矩 Mounting torque
30 L/min	ZY-CKBB-XCN	ZY-T-163A	35/40 Nm
60 L/min	ZY-CKCB-XCN	ZY-T-11A	40/50 Nm
120 L/min	ZY-CKEB-XCN	ZY-T-2A	60/70 Nm
240 L/min	ZY-CKGB-XCN	ZY-T-17A	200/215 Nm
480 L/min	ZY-CKIB-XCN	ZY-T-19A	465/500 Nm

ZY-CK*B-XCN

性能图 PERFORMANCE: (Cartridge Only)

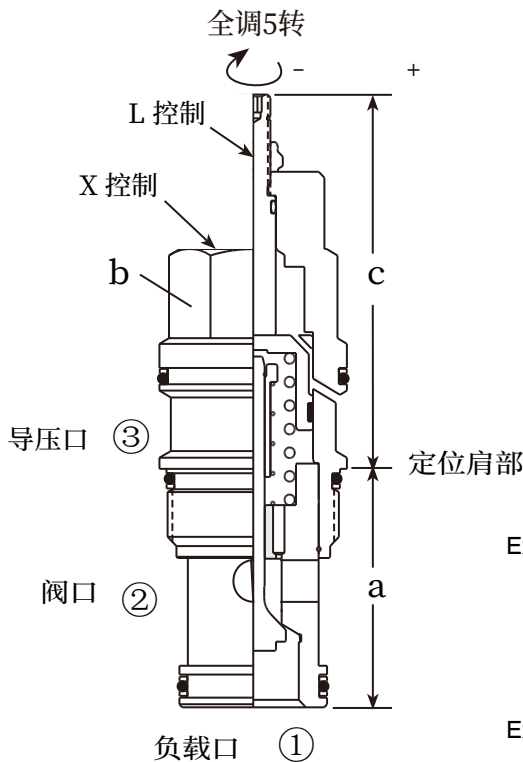
压损曲线



- 最大工作压力 = 350 bar
- 最大内漏量 = 0,07 cc/min.
- CKBB, CKBD 仅提供 C 和 E 两种弹簧。
- 当油路用透流导压型的不适合时, 可选用导压活塞密封型的 CK*D.
- CK*B 型的导压操作单向阀可以清除系统中残留的空气。

尺寸 DIMENSIONS:

订购型号 TO ORDER:



插式阀尺寸

a	b	c	
		L	X, B, E, P
31	19.1	43	32
34.9	22.2	62	31
34.9	28.6	72	35
46	31.8	84	46
63.8	41.3	100	59

ZY-CK

(FLOW) 流量

30 L/min.	B
60 L/min.	C
120 L/min.	E
240 L/min.	G
480 L/min.	I

(Pressure guide type)

导压型式

(透流导压)	B
(导压活塞密封)	D

(Controls) 控制方式

External 1/4 BSPP Pilot Port, Port 3 blocked	
外部1/4 BSPP 先导口3口堵塞	
External 4-SAE Pilot Port, Port 3 Blocked	B
外部4-SAE 先导口3口堵塞	
Manual Load Release	E
手动负载释放	
External 1/4 NPTF Pilot Port, Port 3 Blocked	L
外部1/4 NPTF 先导口3口堵塞	
Standard Pilot	P
标准导压	
	X

(Seals) 密封材料

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

(Cracking Pressure) 开启压力

A	4 psi (0,3 bar)
B	15 psi (1 bar)
C	30 psi (2 bar)
D	50 psi (3,5 bar)
E	75 psi (5 bar)
F	100 psi (7 bar)
Z	1 psi (0,07 bar)

* CKBB, CKBD 仅提供 C 和 E 两种弹簧

* CKBB, CKBD are only available with C and E springs