

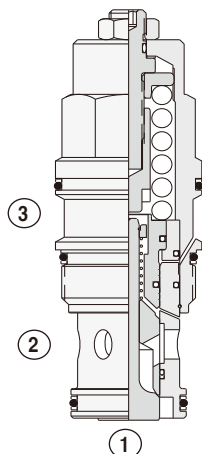
ZY-CB*G-LJN 抗衡阀（标准型，最大设定压力 350bar）

ZY-CB*G-LJN Counterbalance valve (standard type, maximum set pressure 350bar)

描述 DESCRIPTION:

三通口, 锥阀, 控制弹簧主腔内部回油, 螺纹插装式。

Three-way port, poppet valve, control spring main chamber internal oil return, threaded cartridge type.



工作原理 OPERATION:

ZY-CB*G-LJN 单向功能: 允许油液由②流向①, 当①的压力小于弹簧设定值时, 截止①流向②;

溢流功能: 当①的压力大于弹簧设定值时, ①到②为溢流功能。

液控节流功能: 在端口③有控制压力时, 控制③的压力可以改变①到②的开口大小, 从而达到节流功能。

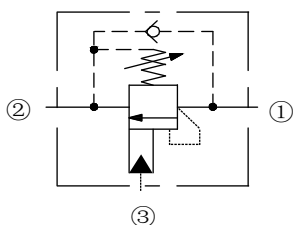
The **ZY-CB*G-LJN** One-way function: allow the oil flow from ② to ①, when the pressure of ① is less than the spring set value, the cut-off ① Flow to ②;

Overflow function: when the pressure of ① is greater than the spring set value, ① to ② for overflow function.

Liquid control throttling function: when the port ③ has control pressure, control ③ pressure can be changed from ① to ② The size of the opening from which the throttling function is achieved.

机能符号 SYMBOLS:

ISO:



特点 FEATURES:

- 最大设定压力是最大负载产生压力的 1.3 倍
- 通口②的背压需在设定压力内
- 复位压力应大于设定压力的 85%

- The maximum set pressure is 1.3 times the pressure generated by the maximum load
- The back pressure of the vent ② should be within the set pressure
- The reset pressure should be greater than 85% of the set pressure

特性 RATINGS:

工作压力: 压力在 350bar 时能承受的负载压力为 270bar。

流量: 参见性能图。

内部泄漏: 复位时最大为 0.4ml/min。复位压高于设定压的 85%。出厂设定压力流量为 32.8ml/min 时设定的。

控制比: 4.5:1 最大设定压应为最大负载压的 1.3 倍。

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

Operating Pressure: The load pressure is 270bar at 350bar

Flow : See Performance Chart;

Internal Leakage: The maximum value is 0.4ml/min when reset. The reset pressure is 85% higher than the set pressure. The factory setting pressure flow is 32.8ml/min.

Control ratio: 4.5:1 The maximum set pressure should be 1.3 times the maximum load pressure.

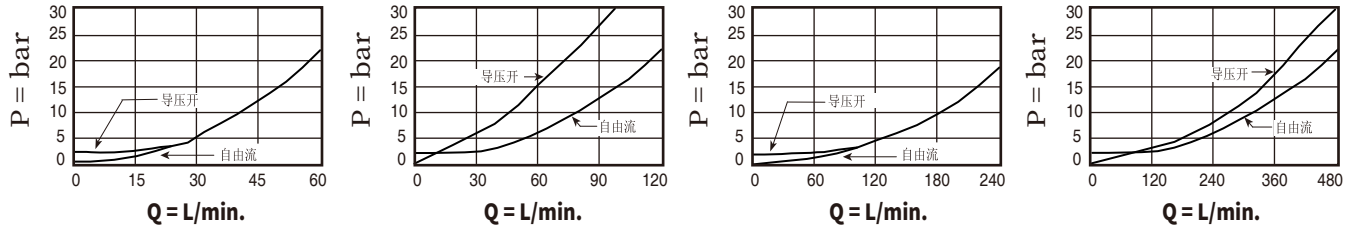
Temperature: -40 to 120 °C

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
60 L/min	ZY-CBCG-LJN	ZY-T-11A	40/50 Nm
120 L/min	ZY-CBEG-LJN	ZY-T-2A	60/70 Nm
240 L/min	ZY-CBGG-LJN	ZY-T-17A	200/215 Nm
480 L/min	ZY-CBIG-LJN	ZY-T-19A	465/500 Nm

性能图 PERFORMANCE: (Cartridge Only)

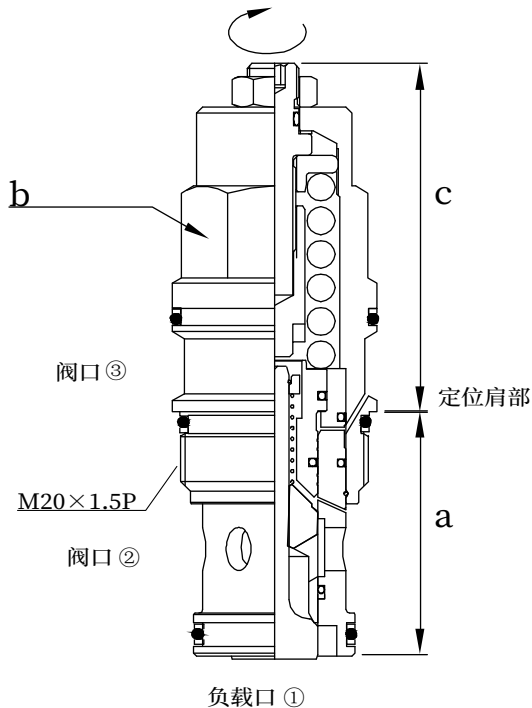
自由流和导压开压损



- 当阀的设定压在350bar时能承受的负载压为270bar.复位时最大内漏量 = 0,4 cc/min.
- 复位压高于设定压的85%
- 出厂设定压是流量为32,8 cc/min时设定的.
- 抗衡阀的最大设定压应为最大负载感应压的1.3倍.
- 口2背压会增加阀的设定压,增加的幅度相当于口2的背压 $\times$ (1+抗衡阀的导压比).

尺寸 DIMENSIONS:

顺时针方向旋转螺杆减少设定压以致卸载全调 3 3/4



负载口①

插式阀尺寸

a	b	L	C
34,9	22,2	50	56
34,9	28,6	61	64
46	31,8	70	84
63,5	41,3	90	104

出厂设定压:

J 及 C 标准设定压 210 bar; K 及 D 标准设定压 140 bar.
客户可指定设定压.

Factory setting pressure:

J and C standard setting pressure 210 bar;
K and D standard setting pressure 140 bar.
Customer can specify the setting pressure.e.

订购型号 TO ORDER:

ZY-CB

(FLOW) 流量

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

(Conductance ratio)

导压比

4.5:1	G
10:1	H
2.3:1	L

(导压室密封)

(Controls)控制方式

Standard Screw Adjustment	L
Nonstandard Controls	C
Factory Set amper Resistant	
防调	

(Seals)密封材料

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

(ADJUSTMENT RANGES)

调压范围

(GENERAL PURPOSES)一般用途

(1.7 bar Cracking Pressure)
止回阀弹簧1.7 Bar

J	140 - 350 bar
	210 bar Standard Setting
K	70 - 175 bar
	140 bar Standard Setting

(SPECIAL PURPOSES)特殊用途

(0,3 bar Cracking Pressure)
止回阀弹簧0,3Bar

C	140 - 350 bar
	210 bar Standard Setting
D	70 - 175 bar
	140 bar Standard Setting