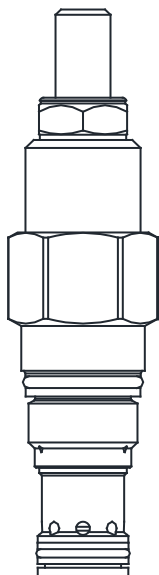


ZY-RP*C-LAN 先导式溢流阀

ZY-RP*C-LAN Pilot-operated, balanced piston relief valve



描述 DESCRIPTION:

先导控制式, 平衡滑阀结构溢流阀为常闭压力调节阀。

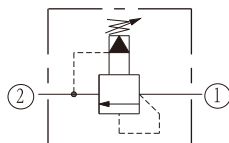
Pilot-operated, balanced-piston relief cartridges are normally closed pressure regulating valves.

工作原理 OPERATION:

ZY-RP*C-LAN 当进口(口1)压力达到阀设定值, 阀开始向油箱(口2)溢流, 节流以调节压力。此类阀压力调节精度高, 压力波动随流量变化小, 并且调节平稳, 噪声小, 响应速度适中。

The **ZY-RP*C-LAN** pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

机能符号 SYMBOLS:



特点 FEATURES:

- 可在口2接受最大压力; 适合应用在交叉端口的溢流油路中。
- 所有弹簧范围的最小设定为 (5 bar)。
- 油箱口(口2)处的背压直接以1:1的比例增加到阀的设定值上。
- 主级的阻尼孔被保护以防止污染。
- Will accept maximum pressure at port 2; suitable for use in cross port relief circuits.
- Minimum setting is 75 psi (5 bar) for all spring ranges.
- Back pressure on the tank port (port 2) is directly additive to the valve setting at a 1:1 ratio.
- The main stage orifice is protected against contamination.

特性 RATINGS:

最大操作压力: 350 bar(5000 psi)

通流能力: 45 L/min. 95 L/min. 200 L/min. 380 L/min. 760 L/min.

110 SUS (24 cSt)下的最大泄漏: 30 cc/min. @ 70 bar

额定响应时间: 10 ms

复位: >85% of crack setting

温度范围: -40°C ~ 120°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

Maximum Operating Pressure: 350 bar(5000 psi)

Capacity: 45 L/min. 95 L/min. 200 L/min. 380 L/min. 760 L/min.

Maximum Valve Leakage at 110 SUS (24 cSt): 30 cc/min. @ 70 bar

Response Time - Typical: 10 ms

Reseat: >85% of crack setting

Temperature: -40 to 120 °C

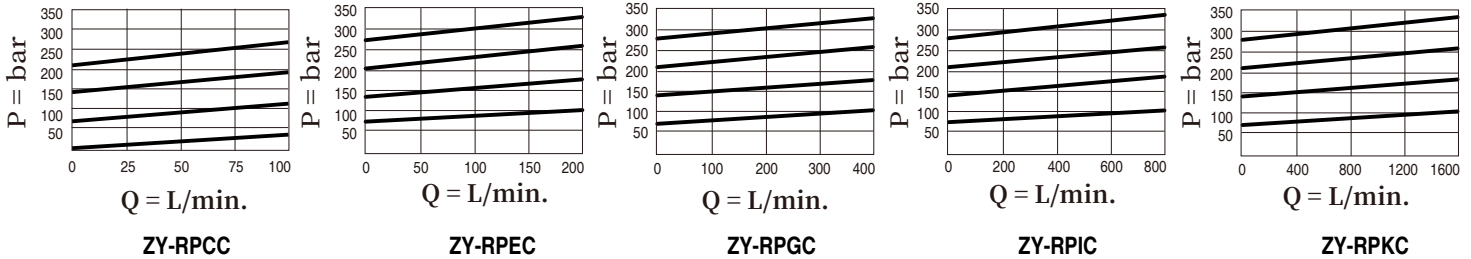
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus);

流量Flow	型号Model	插孔Cavity	安装扭矩 Mounting torque
45 L/min	ZY-RPCC-LAN	ZY-T-162A	35/40 Nm
95 L/min	ZY-RPEC-LAN	ZY-T-10A	40/50 Nm
200 L/min	ZY-RPGC-LAN	ZY-T-3A	60/70 Nm
380 L/min	ZY-RPIC-LAN	ZY-T-16A	200/215 Nm
760 L/min	ZY-RPKC-LAN	ZY-T-18A	465/500 Nm

ZY-RP*C-LAN

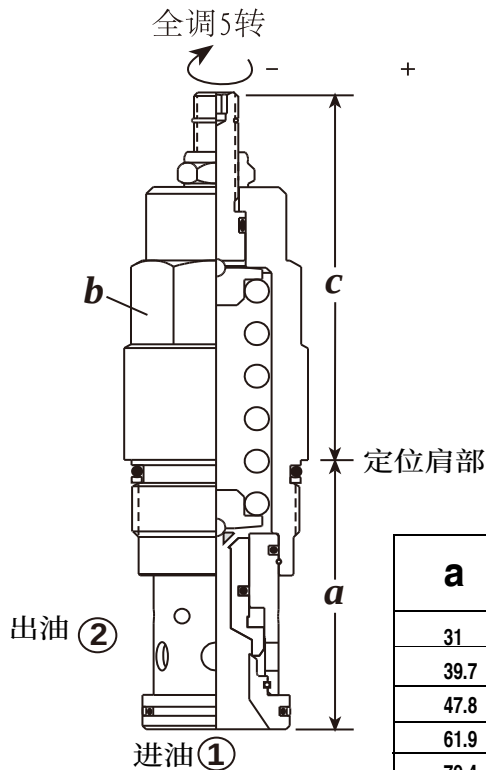
性能图 PERFORMANCE: (Cartridge Only)

泄压曲线



- 最大工作压=350bar • 油口 2 可承受全压 .
- 油口2(油箱)的压力直接加于阀的设定压出厂设定压是基于流量15L/min设定
- 响应时间=10ms.
- 最大内漏量= RPCC, RPEC: 32,8 cc/min./70 bar , RPGC: 49,2 cc/min./70 bar , RPIC: 66,5 cc/min./70 bar , RPKC: 81,9 cc/min./70 bar
- RPCC所有弹簧之最低设定压均为 5 bar.

尺寸 DIMENSIONS:



插式阀尺寸

a	b	c		
		L	C	k
31	19.1	54	56	59
39.7	22.2	51	53	58
47.8	28.6	54	56	61
61.9	31.8	62	64	69
79.4	41.3	72	74	78

订购型号 TO ORDER:

ZY-RP — C — — — —

(FLOW) 流量

45 L/min.	C
95 L/min.	E
200 L/min.	G
380 L/min.	I
760 L/min.	K

(Seals)密封材料

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

(Controls)控制方式

Tamper Resistant- Factory Set
防调 C

Hex Head Screw with Locknut
六角头螺钉调节 F

Handknob
旋钮 K

Standard Screw Adjustment
标准螺钉调节 L

(Cracking Pressure) 开启压力

	70 psi 出厂标准设定值
A	500-300 psi (35-210 bar)
B	300-1500 psi (20-105 bar)
C	1000-6000 psi (70-420 bar)
D	200-800 psi (14-55 bar)
N	100-400 psi (7-28 bar)
Q	50-200 psi (7 bar)
W	800-4500 psi (55-315 bar)

出厂设定压:

A, B, C, 及 W 标准设定压70 bar.

N 标准设定压 25 bar.

Q 标准设定压 14 bar.

* 所有调压范围最小设定压 5 bar .

客户可指定设定压.

Factory set pressure:

A, B, C, and W standard set pressure 70 bar.

N Standard setting pressure 25 bar.

Q Standard setting pressure 14 bar.

* Minimum set pressure of 5 bar for all regulating ranges.

Customer can specify set pressure.