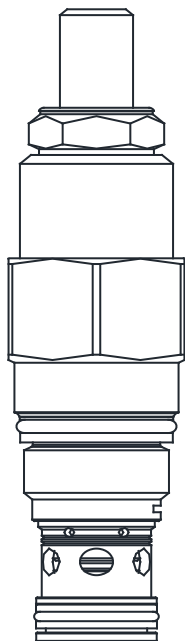


ZY-RD*A-LAN 直动式溢流阀 ZY-RD*A-LAN Direct-acting relief valve



描述 DESCRIPTION:

直动式溢流阀为常闭压力限制阀, 常用来保护液压元件, 以防止其受瞬态压力的冲击。

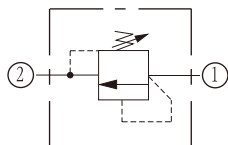
Direct-acting relief cartridges are normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients.

工作原理 OPERATION:

ZY-RD*A-LAN 当压力在进口(口1)达到阀的设定值, 阀开始向油箱(口2)溢流, 节流以限制压力上升。此类阀调节平稳、噪声小, 基本为零泄漏, 抗油污能力强, 防堵塞并且响应速度快。

The **ZY-RD*A-LAN** the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to limit the pressure rise. These valves are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very 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。
- 适合使用在负载锁紧应用中。
- 此阀对变动的油液温度和油液污染不敏感。
- Will accept maximum pressure at port 2
- suitable for use in cross port relief circuits.
- Valve is relatively insensitive to varying oil temperatures and oil borne contamination.
- Suitable for use in load holding applications.

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: 0.07 cc/min.(1 drops/min)

额定响应时间: 2 ms

复位: >85% of crack setting

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)

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

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

Response Time - Typical: 2 ms

Reseat: >85% of crack setting

Temperature: -40 to 120 °C

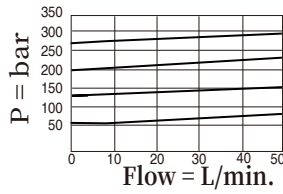
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus);

流量Flow	型号Model	插孔Cavity	安装扭矩 Mounting torque
45 L/min	ZY-RDBA-LAN	ZY-T-162A	35/40 Nm
95 L/min	ZY-RDDA-LAN	ZY-T-10A	40/50 Nm
200 L/min	ZY-RDFA-LAN	ZY-T-3A	60/70 Nm
380 L/min	ZY-RDHA-LAN	ZY-T-16A	200/215 Nm
760 L/min	ZY-RDJA-LAN	ZY-T-18A	465/500 Nm

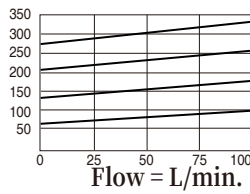
ZY-RD*A-LAN

性能图 PERFORMANCE: (Cartridge Only)

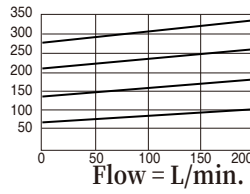
泄压曲线



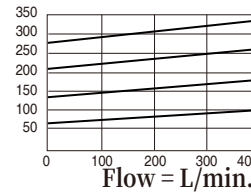
ZY-RDBA



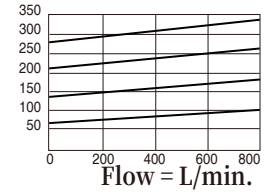
ZY-RDDA



ZY-RDFA



ZY-RDHA

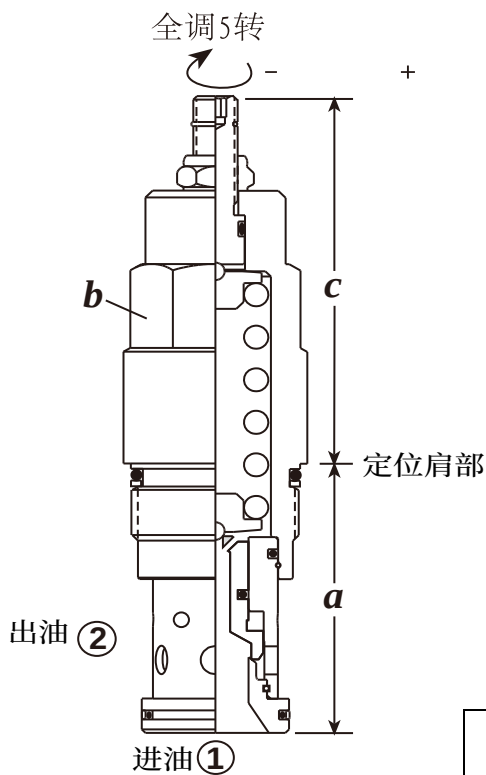


ZY-RDJA

- 最大工作压力 = 350bar
- 油口 1 受压时不能调动。
- 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 = 2ms.
- 最大内漏量 = 0,7 cc/min.
- 回座压为 90% 设定压。

尺寸 DIMENSIONS:

订购型号 TO ORDER:



ZY-RD — A —

(FLOW) 流量

45 L/min.	B
95 L/min.	D
200 L/min.	F
380 L/min.	H
760 L/min.	J

(Controls) 控制方式

Tamper Resistant- Factory Set	
防调	C
Hex Head Screw with Locknub	
六角头螺钉调节	F
Handknob	
旋钮	K
Standard Screw Adjustment	
标准螺钉调节	L

(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

	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)
E	100-400 psi	(7-28 bar)
S	50-200 psi	(7 bar)
W	800-4500 psi	(55-315 bar)

插式阀尺寸

a	b	c	
		L	C
31	19.1	54	56
39.7	22.2	61	63
47.8	28.6	64	66
61.9	31.8	83	85
79.4	41.3	100	104