ZY-RV*S-LAN 外接口控制先导式溢流阀
ZY-RV*S-LAN Ventable, pilot-operated, balanced piston relief v



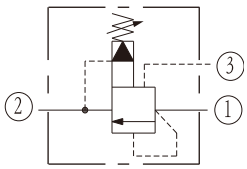
描述 DESCRIPTION：

外接口控制, 先导控制式, 平衡锥阀结构溢流阀为常闭压力调节阀。
Ventable, pilot-operated, balanced piston relief cartridges are normally closed pressure regulating valves.

工作原理 OPERATION：

ZY-RV*S-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。此类阀在主级活塞和先导级之间提供了一个外接口(口3), 可以接入其它先导级控制阀或2通阀实现远程控制。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-RV*S-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. They provide a vent port (port 3) that connects between the main piston and pilot stage to provide for remote control by other pilot or 2-way valves. 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。
• 口3(外接口)处的远程先导溢流阀可以控制此阀压力低于设定值。
• 此阀对变动的油液温度和油液污染不敏感。
• 主级的阻尼孔被150微米的不锈钢滤网保护

• Will accept maximum pressure at port 2; suitable for use in cross port relief circuits.
• A remote pilot relief on port 3 (vent) will control the valve below its own setting.
• Valve is relatively insensitive to varying oil temperatures and oil borne contamination.
• Main stage orifice is protected by a 150-micron stainless steel screen.

特性 RATINGS：

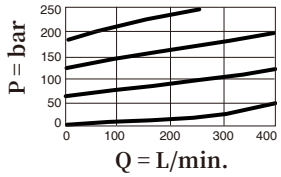
最大操作压力: 350 bar(5000 psi)
通流能力: 60 L/min.120 L/min.200 L/min.480 L/min.
额定响应时间: 0.7 cc/min.
控制先导流量: 0.11 - 0.16 L/min.
额定响应时间: 2 ms
温度范围: -40℃～120℃
介质: 粘度介于7.4~420 cSt (50~2000 sus)的矿物油或具有润滑作用的合成油
Maximum Operating Pressure: 350 bar(5000 psi)
Capacity: 60 L/min.120 L/min.200 L/min.480 L/min.
Maximum Valve Leakage at Reseat: 0.7 cc/min.
Control Pilot Flow: 0.11 - 0.16 L/min.
Response Time - Typical: 2 ms
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-RVCS-LAN	ZY-T-11A	40/50 Nm
120 L/min	ZY-RVES-LAN	ZY-T-2A	60/70 Nm
240 L/min	ZY-RVGS-LAN	ZY-T-17A	200/215 Nm
480 L/min	ZY-RVIS-LAN	ZY-T-19A	465/500 Nm

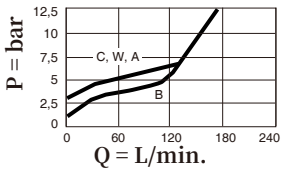
性能图 PERFORMANCE：(Cartridge Only)

ZY-RVES

泄压曲线

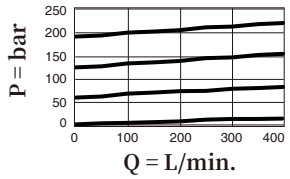


透气压力

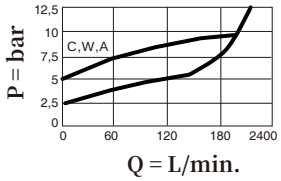


ZY-RVGS

泄压曲线

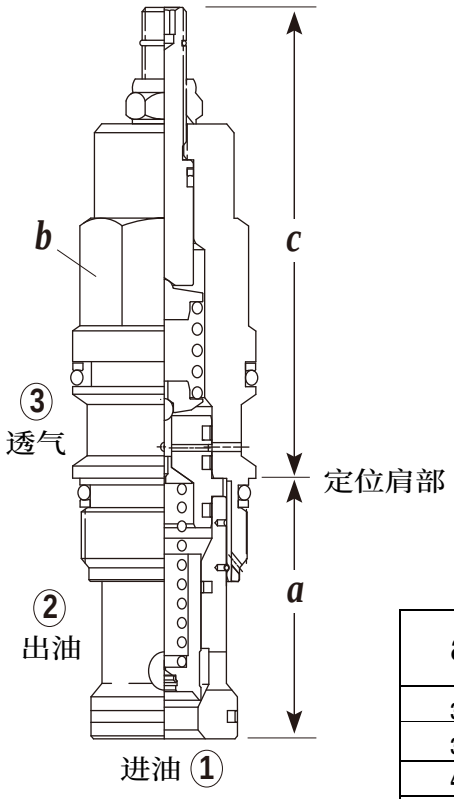


透气压力



- 最大工作压 = 350 bar.
- 油口 2 可承受全压.油口 3 的压力低于阀的设定压 .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 .
- 最大内漏量 = 0,7 cc/min.
- 回座压为 90% 设定压
- 响应时间 =10ms
- 导压流量 = RVES: 0,16 L/min. to 0,25 L/min; RVGS: 0,25 L/min. to 0,33 L/min

尺寸 DIMENSIONS：



插式阀尺寸

a	b	c		
		L	C	k
34.8	22.2	63.25	67.3	69.85
35	28.6	71	73	78
46	31.8	83.3	84.1	89.7
63.5	41.3	99.8	103.1	106.4

订购型号 TO ORDER：

ZY-RV ____ S – ____ ____ ____

(FLOW) 流量

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

(Controls)控制方式

Tamper Resistant- Factory Set 防调	C
Handknob 旋钮	K
Standard Screw Adjustment 标准螺钉调节	L

(Cracking Pressire) 开启压力

1000 psi (70 bar) 出厂标准设定值

A	75-3000 psi (5-210 bar)
B	75-1500 psi (5-105 bar)
C	75-6000 psi (5-420 bar)
D	75-800 psi (5-55 bar)
E	75-400 psi (5-28 bar)
W	75-4500 psi (5-315 bar)

(Seals)密封材料

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

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.
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.
Customer can specify set pressure