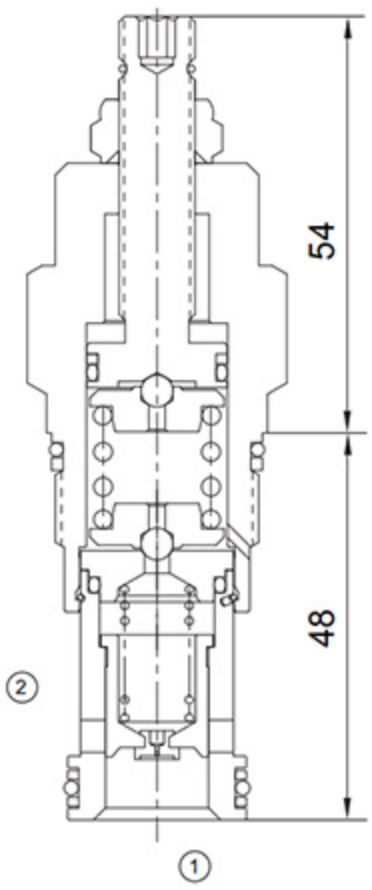
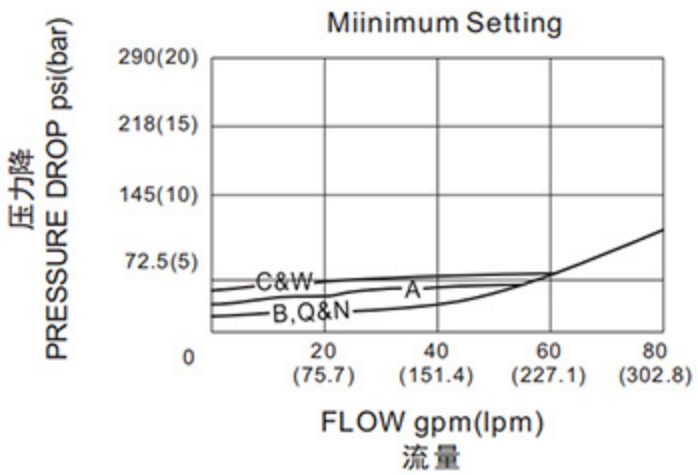
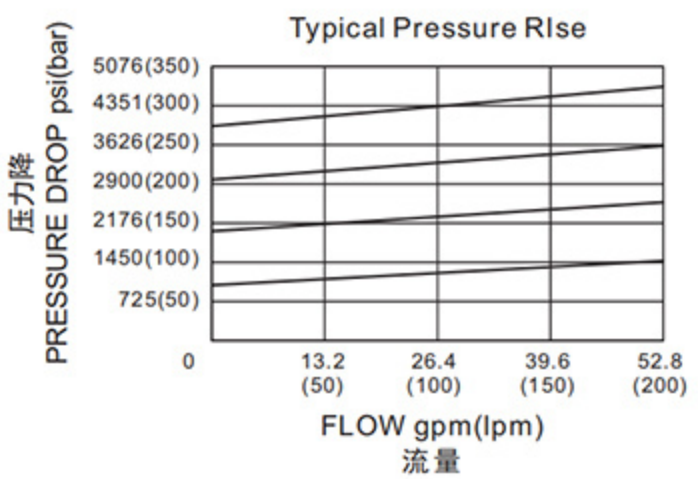
MRPGE

先导式溢流阀
Pilot-operated Relief Valve

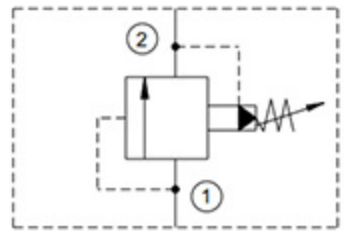


压力-流量性能曲线
Performance Curve Pressure Drop vs.Flow





机能符号 Symbol



技术参数 Specifications

・工作压力 Operating Pressure	350BAR
・流量 Flow	200L/min
・额定响应时间 Response Time - Typical	2ms
・内泄漏 Internal Leakage	50ml/min.max.at 70bar
・温度 Temperature	-30°C to +120°C(-22°F to+250°F)
・插孔 Cavity	T-3A see page K-1
・流体 Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.

产品特性 Features

・主级的阻尼孔被150微米的不锈钢滤网保护。
Main stage orifice is protected by a 150-micron stainless steel screen.

・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。
Back pressure on the tank port (port 2) is directly additive to the valve setting at a 1:1 ratio.

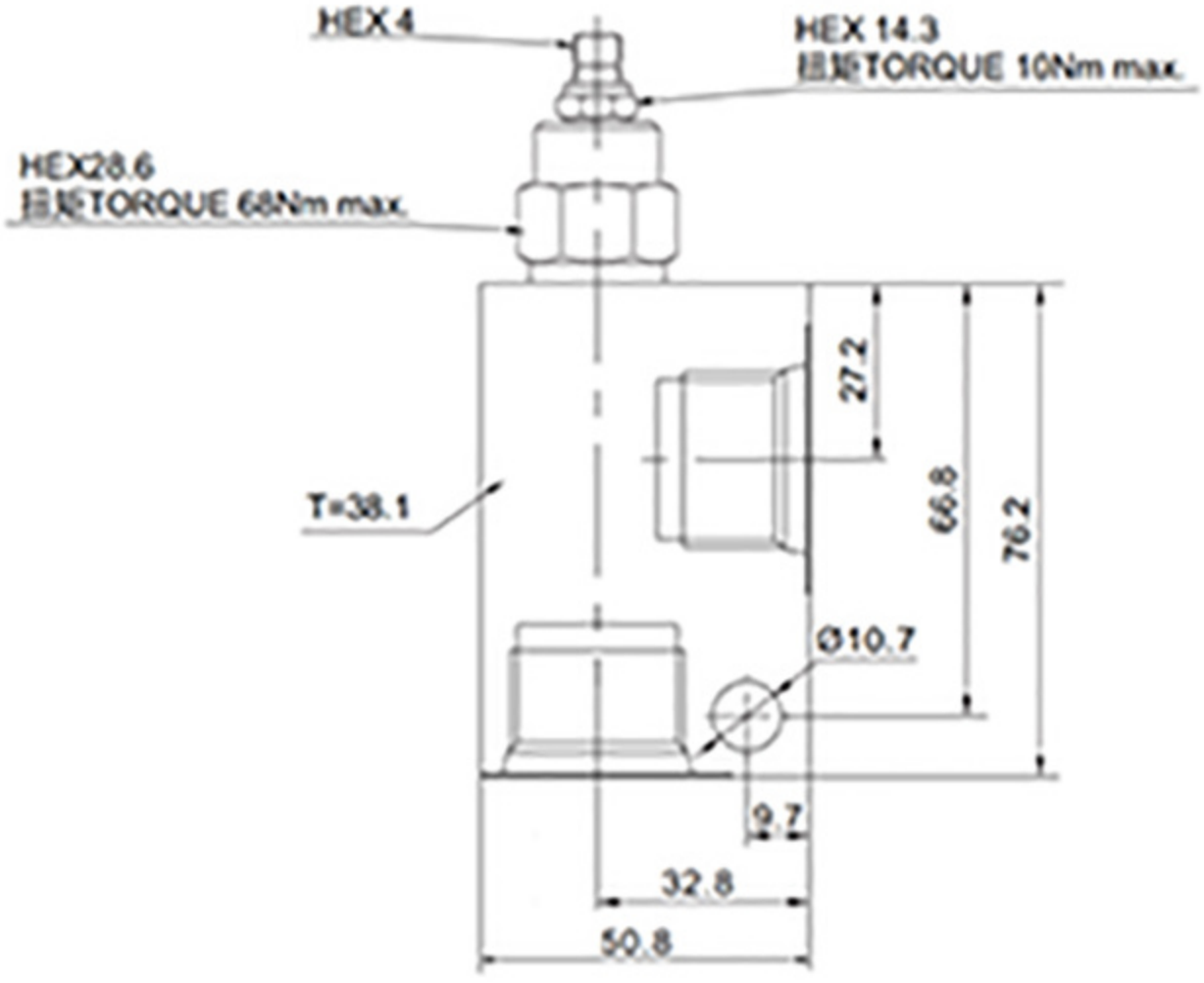
・可在口2接受最大压力；适合应用在交叉端口的溢流油路中。如果应用在交叉端口的溢流油路中，请考虑滑阀泄漏。
Will accept maximum pressure at port 2; suitable for use in cross port relief circuits. If used in cross port relief circuits, consider spool leakage.

工作 Operation

快速动作，先导控制式，平衡滑阀结构溢流阀为常闭压力调节阀，常用来保护液压元件，以防止其受瞬态压力的冲击。阀快速开启和关闭是在牺牲平稳性基础上获得。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。此类阀压力波动随流量变化小并且响应速度快。

Fast-acting, pilot-operated, balanced piston relief cartridges are normally closed, pressure-limiting Valve used to protect hydraulics components from pressure transients. Fast opening and closing is gained at the expense of smoothness. When 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 have low pressure rise vs. flow and are very fast.

安装尺寸 INSTALLATION DIMENSIONS



订购型号 Order Type

MRPGE – * * * – * *

I II III IV V

I. 调节方式 Adjustment
L=螺钉调整 Screw Adjust
K=手轮调整 Handwheel Adjust

II. 调压范围 Pressure Range
A=100-3000psi(7-210bar)
Preset:1000psi(70bar)
B=50-1500psi(3.5-105bar)
Preset:1000psi(70bar)
C=150-6000psi(10.5-420bar)
Preset:1000psi(70bar)
D=25-800psi(1.7-55bar)
Preset:400psi(28bar)
E=25-400psi(1.7-28bar)
Preset:200psi(14bar)
W=150-4500psi(10.5-315bar)
Preset:1000psi(70bar)
N=60-800psi(4-55bar)
Preset:400psi(28bar)
Q=60-400psi(4-28bar)
Preset:200psi(14bar)
G=60-3000psi(4-210bar)
Preset:1000psi(70bar)
J=25-1500psi(1.7-150bar)
Preset:1000psi(70bar)
K=75-1500psi(5-105bar)
Preset:1000psi(70bar)
S=25-200psi(1.7-14bar)
Preset:100psi(7bar)
U=60-200psi(4-14bar)
Preset:100psi(7bar)
V=150-800psi(10.5-55bar)
Preset:400psi(28bar)

III. 油封 Seal-Kits
N=丁腈橡胶 Buna N
V=氟橡胶 Viton

IV. 阀块材质 BODY MATERIAL
A=6061-T6铝
耐压强度207Bar
6061-T6 aluminum
alloy rated at 207Bar
S=钢材 耐压强度350Bar
steel rated at 350Bar

V. 阀块油口 BODY PORTING
4T=SAE 4T
12T=SAE 12T
4N=NPT1/2
4G=G1/2
其他螺纹油口是可选择的
Other porting is available