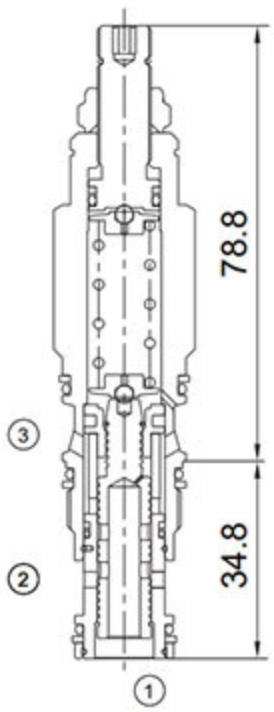
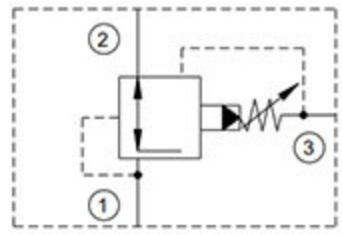
MPRDB

减压/溢流阀(先导式)
Pressure Reducing/Relieving Valve (Pilot-operated)



机能符号 Symbol



技术参数 Specifications

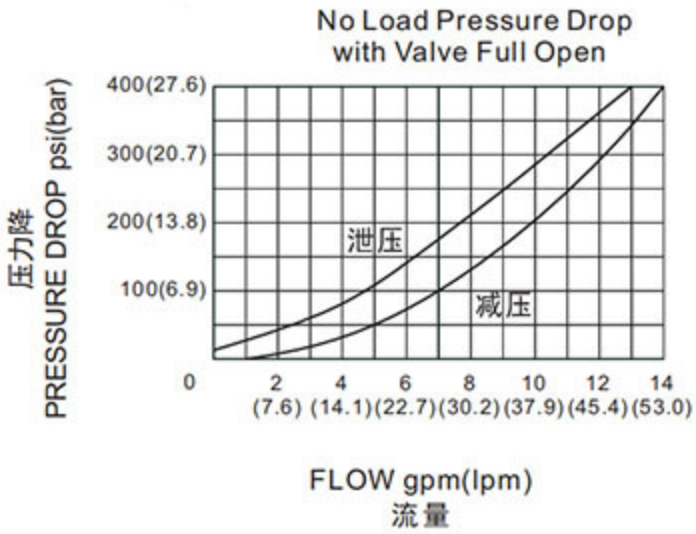
・工作压力 Operating Pressure	350BAR
・流量 Flow	40L/min
・导压流量 Pilot Flow	0.11 - 0.16L/min
・温度 Temperature	-30°C to +120°C(-22°F to+250°F)
・插孔 Cavity	T-11A see page K-2
・流体 Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.

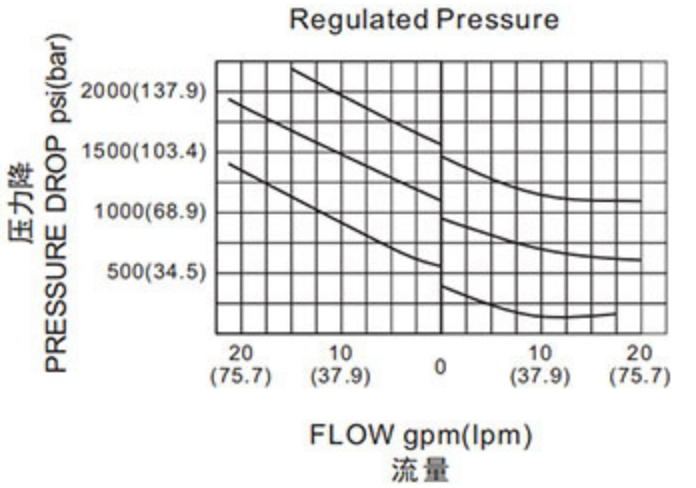
产品特性 Features

・从减压压力口（口1）到进口（口2）的反向液流可能导致主阀芯关闭。如果油路中需要反向自由流，可以考虑在油路中加入单向阀
Full reverse flow from reduced pressure (port 1) to inlet (port 2) may cause the main spool to close. If reverse free flow is required in the circuit, consider adding a separate check valve to the circuit

・直动式作用的概念在受污染系统中可提供更高的可靠性操作，特别是在闭死情况下
Direct acting concept provides highly reliable operation in contaminated systems, especially at dead headed conditions

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



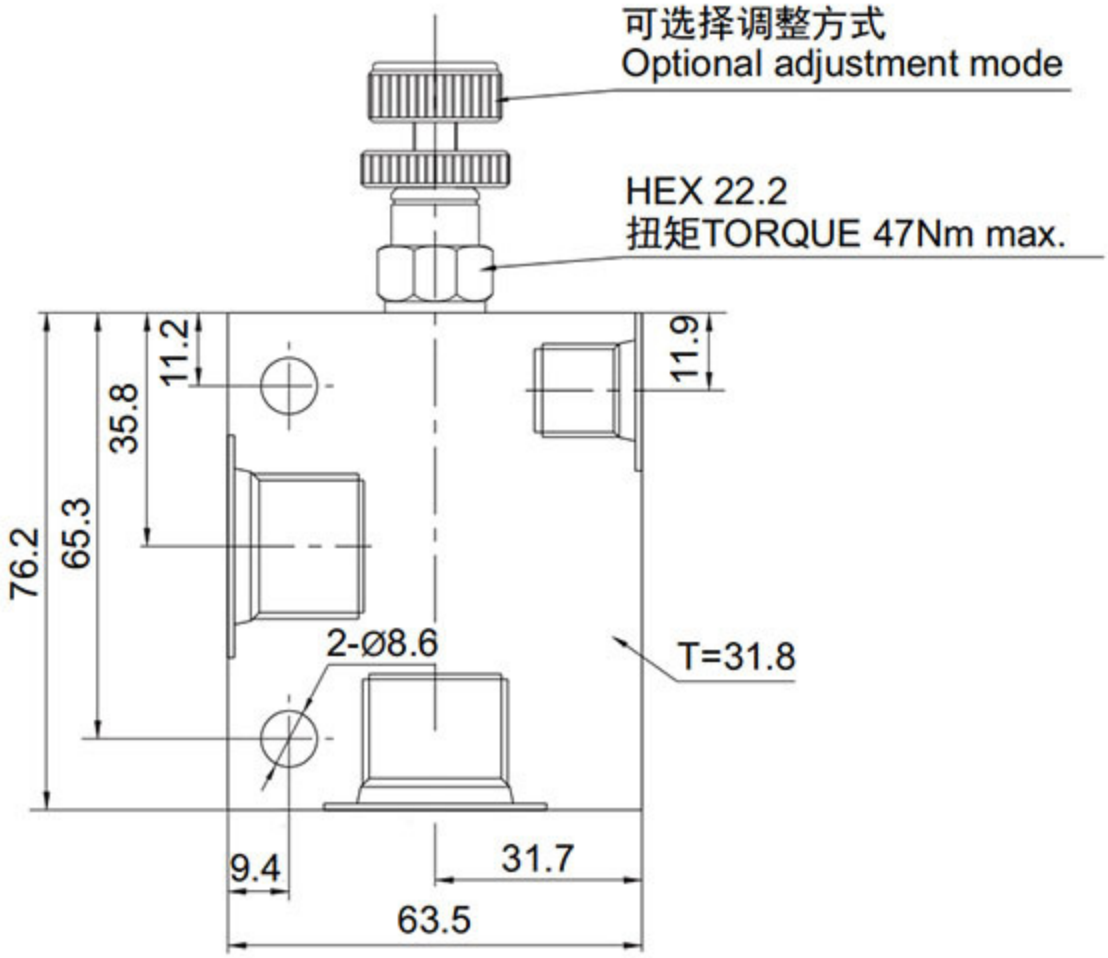


工作 Operation

直动式溢流型减压阀将进口（口2）高压主油路压力调节减至口1所需的减压压力，同时具备从口1到油箱（口3）的全流量溢流功能。此类阀的阻尼结构实现对高的减压力的稳定调节

Direct-acting, pressure reducing/relieving Valve reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). These Valves incorporate a damped construction for stable operation allowing the use of high reduced pressure.

安装尺寸 INSTALLATION DIMENSIONS



订购型号 Order Type

MPRDB – * * * – * *

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=500-3000psi(35-210bar)
Preset:700psi(50bar)
B=50-1500psi(3.5-105bar)
Preset:1000psi(70bar)
D=25-800psi(1.7-55bar)
Preset:400psi(28bar)
E=25-400psi(1.7-28bar)
Preset:200psi(14bar)
S=25-200psi(1.7-14bar)
Preset:100psi(7bar)
W=750-4500psi(50-315bar)
Preset:1000psi(70bar)

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
6T=SAE 6T
8T=SAE 8T
3G=G3/8
3N=NPT3/8
其他螺纹油口是可选择的
Other porting is available