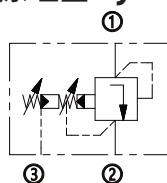


先导式溢流阀 Pilot-operated Relief Valves

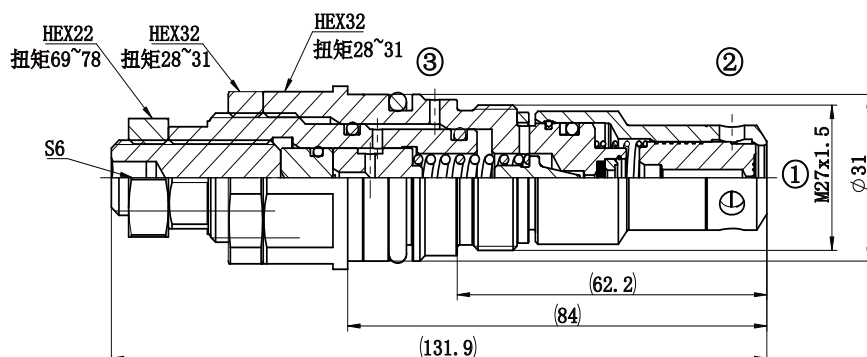
HTRV27M-01A 系列
HTRV27M-01A Valve Series
公制插孔—420bar
Metric Cartridge — 420 bar



原理图 Symbol



尺寸图 Dimensions



描述 Description

螺纹插装式，二级先导型，座阀式溢流阀，作为压力限制装置用于要求快速响应、低滞后的液压回路。

Threaded cartridge type, two-stage pilot type, seat-valve type relief valves, used as pressure limiting devices for hydraulic circuits requiring fast response and low hysteresis.



技术特性 Technical Features

HTRV27M-01A 型，常态下从 ① 流向 ② 封闭，直到 ① 处受到足够的液压力使先导阀开启，再推动主阀芯移动，使油液从 ① 流向 ②，当③ 口有油压，将使设定压力上升。

HTRV27M-01A is Normally, the flow direction from ① to ② is closed until enough hydraulic pressure is received at ① to open the pilot valve, and then the main valve core is pushed to move to make the oil flow from ① to ②. When there is oil pressure at ③, the set pressure will rise.



技术参数表 Technical Data

最大工作压力 Maximum operating pressure	420bar
最大流量 Maximum flow	180 L/min
设定压力 Setting pressure	查看订货选型表 See table in Ordering code
最大内泄漏量 Maximum internal leakage	30 cc /min @80%设定压力 30cc /min @ 80% nominal set point
外露零件表面处理要求 External component treatment	Zn/Fe - standard Zn/Ni
安装方向 Orientation	无限制 No restrictions
安装力矩 Installation torque	69-78 Nm (Hex.16)
重量 Weight	0.486Kg
适用油温范围 Oil Temperature Range	-30° C to 110° C
适用工作介质 Fluids	矿物油或具有润滑性的合成油液 Mineral - based or synthetics with lubricating properties
工作介质粘度范围 Viscosities	7,4 to 420 cSt
测试液压油型号 Oil testing condition	ISO VG 46 cSt
过滤要求 Filtration	20/18/15 ISO 4406 (maximum filtration admitted)
测试条件 Technical specifications for characterization	见尾页1-2 see the last page 1-2



订货编号 Ordering code

HTRV27M-01A- _ - _ _ / _ _ _ _

阀系列编号

Valve basic code

插孔规格 Cavity

27= M27*1.5 螺纹

27= M27*1.5 Thread

版本号A

Version No. A

压力弹簧选型 spring options

弹簧型号

Spring

model

压力设置范围

Pressure setting range (bar)

60

5-420bar

(72-6000psi)

设置压力

Setting pressure in bar

无需特定设置

0=no specific

settingrequired

密封件

N 丁腈橡胶