

# HSV10-21

## 二位二通电磁阀 常开 锥阀型

Normally-Open, Two-Way, Two-Position, Poppet Type Cartridge Solenoid Valve

### OPERATION

#### 工作原理

When de-energized, the valve allows flow from ② to ①, Flow from ① to ② is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from ② to ①. The cartridge will allow ① to ② flow after overcoming the solenoid force.

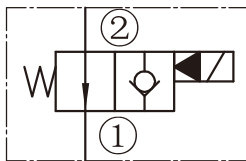
当电磁铁不通电时，从②口到①口方向通，反向①口到②口被严重节流；当电磁铁通电时，②口到①口不通，当①口压力超过电磁铁力，①口到②口方向打开。

Operation of Manual Override Option: To override, push button in to activate. To return to normal valve function, release button.

推进按钮，②到①关闭；释放按钮，返回到常态。

### SYMBOL

#### 机能符号



### FEATURES

#### 特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Hardened poppet and plunger for long life. · 长寿命的阀。
- Optional coil voltages and terminations. · 可选择线圈电压和终端。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

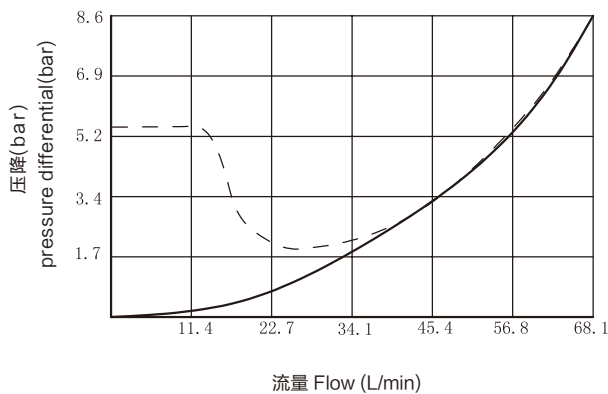
### PRESSURE DROP VS.FLOW

#### 性能图

② to ① ——— De-energized; 不通电

① to ② - - - - - Energized; 通电

38°C时150 ssu/32 cSt的油液 150 ssu/32 cSt Oil at 38°C



### SPECIFICATIONS

#### 技术参数

**最大工作压力 Max.operating pressure:** 207 Bar

**流量 Flow rate(L/min):** 参见性能图 See Pressure Drop Vs.Flow graph

**内泄漏 Internal Leakage:** 3 drops/min.Max at 207 Bar

**介质温度范围(°C)Fluid temperature range(°C):** -30~+120

**线圈电压范围 Coil Rating:** 90%~110% Of rated Voltage

**过滤 Filtration:** Critical Application - ISO 18/16/13

Non-Critical Application - ISO 19/17/14

**介质 Fluids:** 矿物油。其它流体的选择请咨询工厂。

Mineral-based fluids.

For other fluid compatibility consult factory.

**插孔 Cavity:** 10-2

**阀块材料 Body Material:**

6061-T6铝，允许使用最大压力20.7MPa

钢材允许使用最大压力35MPa

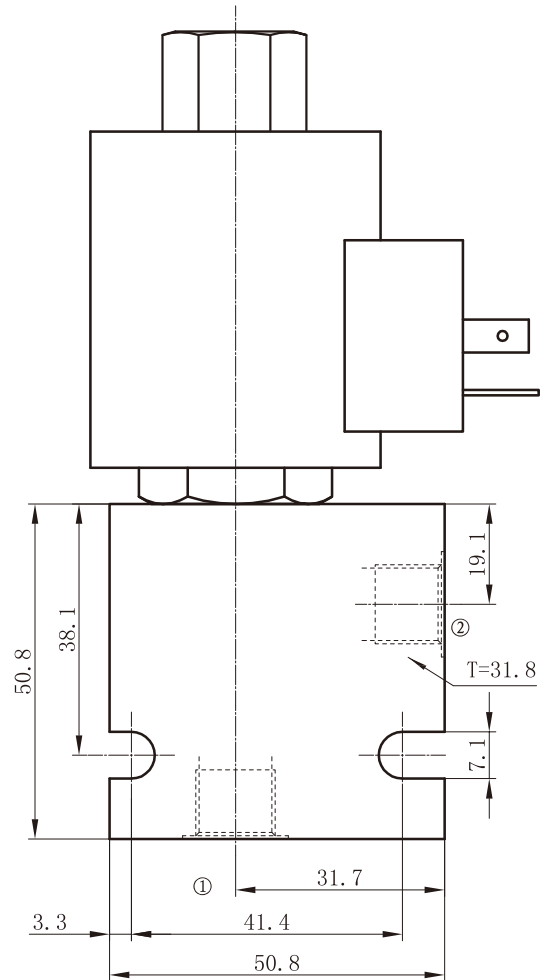
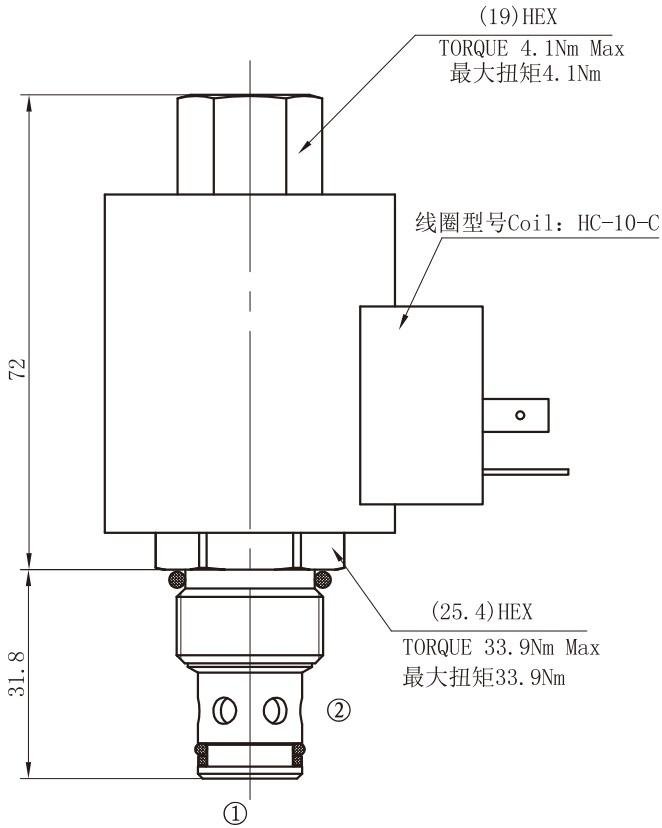
Anodized 6061-T6 aluminum alloy rated at 20.7MPa

Steel rated at 35 MPa

# INSTALLATION DIMENSIONS 安装尺寸

Coil Must Be Installed With Lettering Up  
安装线圈时，字母必须朝上。

Unit=Millimeters



HSV10-21 \* - \* - \* \* - \*

电磁阀 Solenoid Valve

M=Manual Override 手动卸荷  
Omit for standard 省略为常规

油封 Seal Kits  
无=丁腈橡胶 (标准型)  
Omit for Buna N (standard)

VOLTAGE 电压  
1=12V Volt DC  
2=24V Volt DC  
3=110V Volt AC  
4=220V Volt AC

BODY PORTING 阀块油口

6T=SAE6  
8T=SAE8  
3G=G3/8  
4G=G1/2  
Other Porting is Available  
其它螺纹油口也是可以选择的  
(Omit for Cartridge only  
省略为不带阀块)

COIL CONNECTION 线圈连接

D=Double Lead 双线  
H=Hirschmann 三插  
ER=Deutsch Connector  
(Water proof Coil)  
德意志插座 (防水线圈)