

Hydraulic Cartridge Valves

螺纹插装阀系列



Hanshang Hydraulic

Hydraulic Cartridge Valves | 螺纹插装阀系列



螺纹插装阀系列 Hydraulic Cartridge Valves

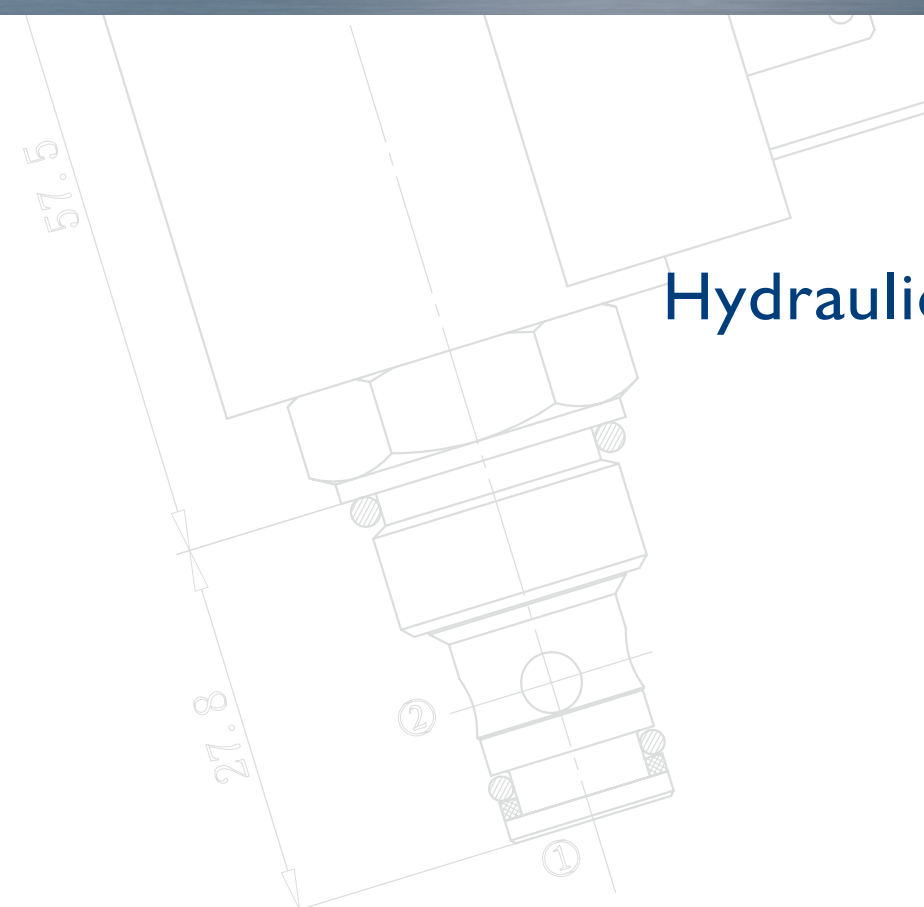
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宁波汉商液压有限公司
VERSION 2022



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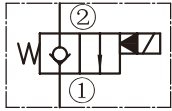
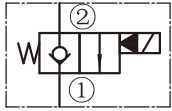
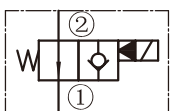
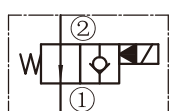
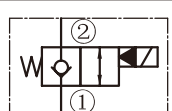
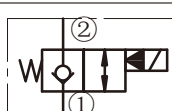
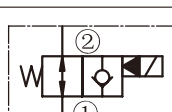
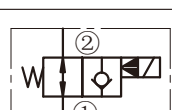
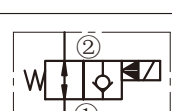
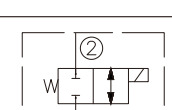
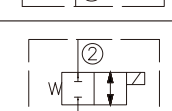
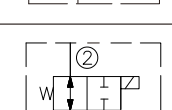
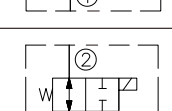
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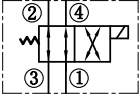
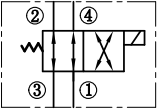
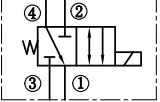
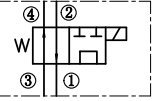
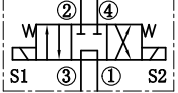
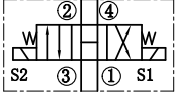
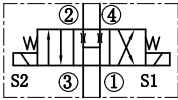
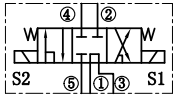
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电磁阀 Solenoid-Valves

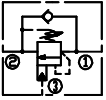
名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
二位二通电磁阀 常闭型 Normally-Closed, Two-Way,Two-Position, Pilot-Operated		HSV08-20	30.2	207	08-2	01
二位二通电磁阀 锥阀型 常闭型 Normally-Closed,Two-Way, Two-Position,Pilot-Operated Cartridge Solenoid Valve		HSV10-20	56.8	207	10-2	03
二位二通电磁阀 常开 锥阀型 Normally-Open,Two-Way, Two-Position,Poppet Type Cartridge Solenoid Valve		HSV08-21	37.9	207	08-2	05
二位二通电磁阀 常开 锥阀型 Normally-Open,Two-Way, Two-Position,Poppet Type Cartridge Solenoid Valve		HSV10-21	68.1	207	10-2	07
二位二通电磁阀 常闭 锥阀型 Normally-Closed,Two-Way, Two-Position,Pilot-operated Cartridge Solenoid Valve With Reverse Flow Energized		HSV08-22	30.2	207	08-2	09
二位二通电磁阀 常闭 锥阀型 Normally-Closed,Two-Way, Two-Position,Pilot-Opersted Cartridge Solenoid Valve With Reverse Flow Energized		HSV10-22	56.8	207	10-2	11
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二位二通电磁阀 常开 锥阀型 Normally-Open,Two-Way, Two-Position,Poppet Type Cartridge Solenoid Valve With Reverse Flow De-energized		HSV10-23	68.1	207	10-2	17
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二位二通电磁阀 滑阀型 Two-Way,Two-Position,Spool-Type Cartridge Solenoid Valve		HSV10-25	22.7	207	10-2	25

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
二位二通常闭阀,双向止回型 Two-way,Two-position, Normally-Closed, poppet-type bi-directional cartridge valve		HSV08-28	15	250	08-2	27
二位二通常闭阀,双向止回型 Two-way,Two-position, Normally-Closed, poppet-type bi-directional cartridge valve		HSV08-28B	15	250	08-2B	29
二位二通电磁阀 常闭型 Normally-Closed, Two-Way,Two-Position, Pilot-Operated		HSV08-20B	20	207	08-2B	31
二位二通常闭阀,双向止回型 Two-way,Two-position, Normally-Closed, poppet-type bi-directional cartridge valve		HSV08-2NCSP-L	18.9	250	08-2	33
二位二通电磁阀 常闭型 Normally-Closed,Two-Way, Two-Position, Pilot-Operated Cartridge Solenoid Valve		HSV08-20C	20	207	08-2	35
二位二通电磁阀 常开型 Normally-Open,Two-Way, Two-Position, Poppet type Cartridge Solenoid Valve		HSV6-08-2RNORP	40	350	08-2	37
二位二通电磁阀 双向止回型 Normally-Closed,Two-Way, Two-Position, Bi-Directional Cartridge Solenoid Valve		HSV6-08-2NCSP	40	350	08-2	39
二位二通电磁阀 常闭型 Two-Way,Two-Position, Normally-Closed Poppt-type Cartridge Valve		HSV6-08-2NCP	50	350	08-2	41
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二位三通电磁阀 滑阀型 Three-Way,Two-Position,Spool-Type Cartridge Solenoid Valve		HSV08-33	11.4	207	08-3	47
二位三通电磁阀 滑阀型 Three-Way,Two-Position,Spool-Type Cartridge Solenoid Valve		HSV10-34	22.7	207	10-3	49
二位三通电磁阀 滑阀型 Three-Way,Two-Position,Spool-Type Cartridge Solenoid Valve		HSVP0.M18-100	7	210	08-3B	51

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
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二位四通电磁阀 滑阀型 Four-Way,Two-Position,Spool-Type Cartridge Solenoid Valve		HSV10-40	22.7	207	10-4	55
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三位四通电磁阀 滑阀型 Four-Way, Three-Position, Spool-Type Cartridge Solenoid Valve		HSV10-47B	18	240	10-4	63
三位四通电磁阀 滑阀型 Four-Way, Three-Position, Spool-Type Cartridge Solenoid Valve		HSV10-4754B	18	207	10-4	65
三位五通电磁阀 滑阀型 Five-Way, Three-Position, Spool-Type Cartridge Solenoid Valve		HSV08-58C	13.3	207	08-5	67

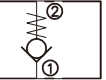
平衡阀

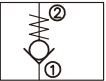
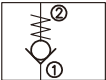
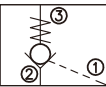
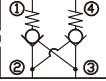
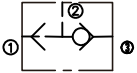
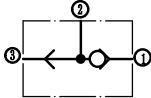
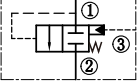
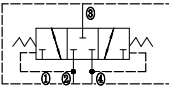
Counter-Balance

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
平衡阀 Counter-balance Cartridge valve		HSCBCA/HSCBCG	60	350	SUNT-11A	73
		HSCBEA/HSCBEG	120	350	SUNT-2A	75
		HSCBGA/HSCBGG	240	350	SUNT-17A	77

方向阀

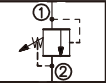
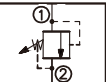
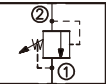
Directional Valves

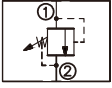
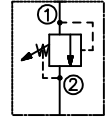
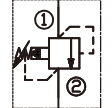
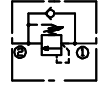
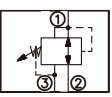
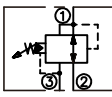
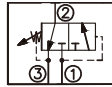
名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
内置式单向阀 An in-line, poppet-type check valve		HICV-G14	20	350		79
		HICV-G38	50	350		80

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
单向阀 钢球型 A cartridge-style ball-type check valve		HCV-08-B	30.2	240	08-2	81
		HCV-10-B	75.8	240	10-2	83
单向阀 锥阀型 A cartridge-style poppet-type check valve		HCV-08-P	20	240	08-2	85
		HCV-10-P	75.8	240	10-2	87
液控单向阀 A cartridge-style pilot-to-close poppet-type check valve		HPC-08	20.2	240	08-3	89
		HPC-10	30.2	240	10-3	91
液压锁 A cartridge-style pilot-to-close poppet-type check valve		HDPC-08	19	207	08-4	93
梭阀 Ball-type, Cartridge Shuttle Valve		HSLS04-B30	5.8	210	04-B3	95
梭阀 Shuttle Valve		HS1SH10	20	350		97
滑阀型液控方向阀 A screw-in, cartridge style, spool type, hydraulic directional element		HSEP08-35	37.9	345	08-3	99
三位三通热油梭阀 Three-Way,Three-Position, Spool-Type hot oil shuttle Valve		HSHS50-43	45.4	350	10-4	101

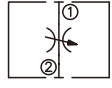
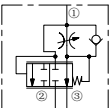
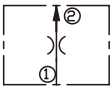
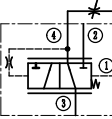
压力阀

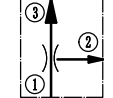
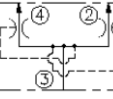
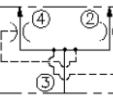
Counter-Balance

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
直动式溢流阀 A cartridge-style direct-acting poppet-type relief valve		HRV-08	10	250	08-2	103
		HRV-08B	10	350	08-2B	105
直动式溢流阀 A cartridge-style direct-acting poppet-type relief valve		HADRV-08	22.7	250	08-2	107
		HADRV-10	37.9	227	10-2	109
差动式溢流阀 A cartridge-style direct-acting differential area poppet-type relief valve		HDRV-08	30.2	248	08-2	111
		HDRV-10	113.6	207	10-2	113

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
直动式溢流阀 A cartridge-style direct-acting poppet-type relief valve		HSRDDA	95	315	SUNT-10A	115
直动式溢流阀 A cartridge-style direct-acting poppet-type relief valve		HSRVC0.S08	30	350	08-2	117
		HSRVC0.S10	50	350	10-2	119
		HSRV50.S10	80	350	10-2	121
先导式溢流阀 Pilot operated balanced piston relief valve		HSRP EE	100	350	SUNT-10A	123
		HSRPGE	200	350	SUNT-3A	125
直动式溢流补油阀 Direct-acting Relief anti-cavitation valve		HSIRA0.M18	60	350	VH002	127
直动式减压/溢流阀 A cartridge-style direct-acting spool-type pressure reducing/pilot and relieving valve		HDPR-08	11.4	207	08-3	129
先导式减压 Pilot operated pressure reducing valve		HSPBBB	20	350	SUNT-163A	131
顺序阀 A cartridge-style spool-type sequence valve with internal drain		HPS-08	22.7	207	08-3	133

流量阀 | Flow Control Valves

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
节流阀 Manually-Adjustable, Cartridge Needle Valve		HNV-08	23	250	08-2	135
		HNV-10	50	250	10-2	137
流量控制阀（节流孔可调） Regulator, Pressure-Compensated Flow Control valve		HSFR10-39	38	240	10-3	139
流量控制阀，压力补偿型（固定节流孔） In-line, Non-adjustable, Pressure-compensated Flow Control Valve		HIFC-6T	1-10	210		141
压力补偿阀 Pressure Compensator Valve		HSEC10-42	53	240	10-4	143

名称 Description	机能符号 Symbol	型号 Model	流量 Flow(L/min)	压力 Fressure(bar)	插孔 Cavity	页码 Page
固定流量优先调节型压力补偿阀 Pressure Compensated, Non-adjustable Hydraulic Flow Regulator Valve.		HSFR10-30F	22.7	241	10-3	145
分流/集流阀 Flow Dividing/Combining Valve		HSFD52-45	106	345	12-4	147
分流/集流阀 Flow Dividing/Combining Valve		HSFD56-45	212	345	16-4	149

标准阀块 | Standard Housings

名称 Description	页码 Page
08 规格阀块 series 08 Housings	151
10 规格阀块 series 10 Housings	152

插孔 | Cavities

名称 Description	页码 Page
Cavity: 08-2	153
Cavity: 08-3	153
Cavity: 08-4	154
Cavity: 10-2	154
Cavity: 08-2B	155
Cavity: 10-3	155
Cavity: SUNT-2A	156
Cavity: SUNT-3A	156
Cavity: SNUT-10A	157
Cavity: SUNT-11A	157
Cavity: SUNT-17A	158
Cavity: SUNT-163A	158
Cavity: 08-3B	159
Cavity: 04-B3	159
Cavity: VH002	160
Cavity: 08-5	161
Cavity: I0-4	161
Cavity: I2-4	162
Cavity: I6-4	162

HSV08-20

二位二通电磁阀 常闭型

Normally-Closed, Two-Way, Two-Position
Pilot-Operated Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path.

当电磁铁不通电时，①到②相当于单向阀，②到①关闭；

当电磁铁通电时，②到①开启。

Operation of Manual Override Option: To override, push button in, twist counterclockwise and release. In this position, the valve will remain open.

To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

先推进按钮，然后逆时针方向旋转，释放。此时阀口打开；

返回到常态推进按钮，然后顺时针方向旋转，释放。旋钮将被固定在这位置。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能的电磁铁结构。
- Optional coil voltages and terminations. · 可选择的线圈电压和终端。
- Manual override option. · 可带手动卸荷。
- Industry common cavity. · 工业通用插孔。
- Compact size. · 结构紧凑。

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: 08-2

阀块材料 Body Material:

6061-T6铝，允许使用最大压力20.7MPa

Anodized 6061-T6 aluminum alloy rated at 20.7MPa

钢材允许使用最大压力35MPa

Steel rated at 35MPa

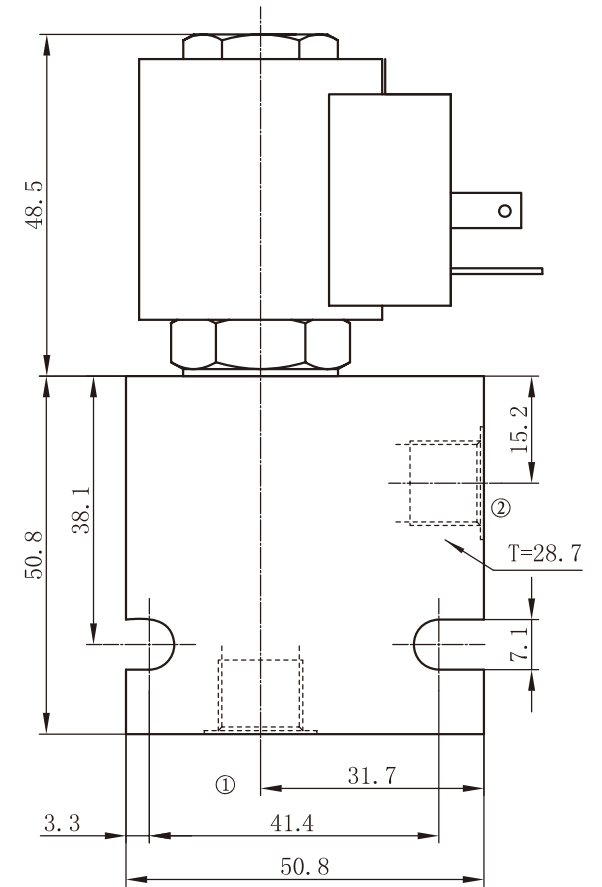
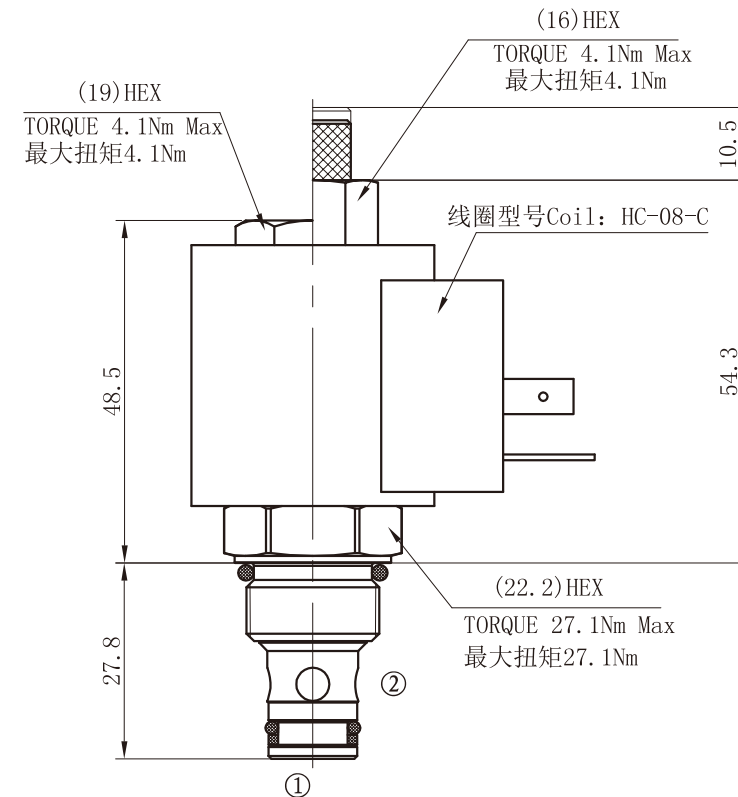
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

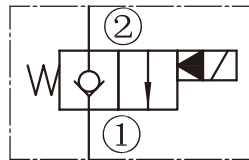
安装线圈时，字母必须朝上。

Unit=Millimeters



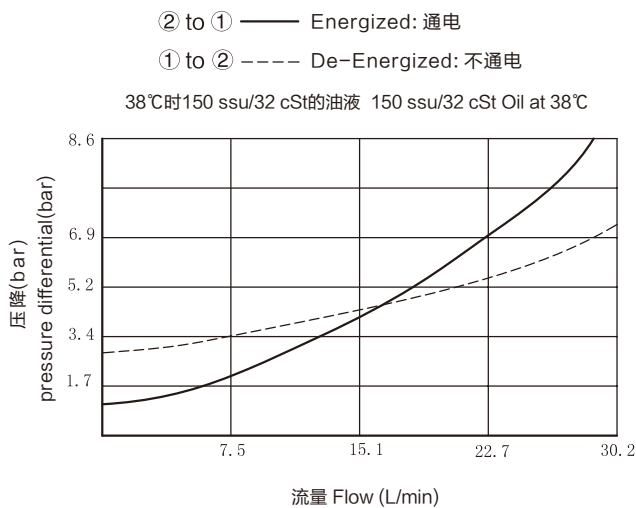
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-20 * * * * *

电磁阀 Solenoid Valve

S=Screen 过滤网
Omit for standard 省略为常规

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

油封 Seal Kits
无 = 丁晴橡胶 (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
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
Other Porting is Available
其它螺纹油口也是可以选的
(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)

HSV10-20

二位二通电磁阀 锥阀型 常闭型

Normally-Closed, Two-Way, Two-Position,
Pilot-Operated Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path.

当电磁铁不通电时，①到②相当于单向阀，②到①关闭；

当电磁铁通电时，②到①开启。

Operation of Manual Override Option :To override, push button in, twist counterclockwise and release. In this position, the valve will remain open in a detented condition. To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

先推进按钮，然后逆时针方向旋转，释放。此时阀口打开；返回到常态推进按钮，然后顺时针方向旋转，释放。旋钮将被固定在这位置。

FEATURES

特性

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

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

Anodized 6061-T6 aluminum alloy rated at 20.7MPa

钢材允许使用最大压力35MPa

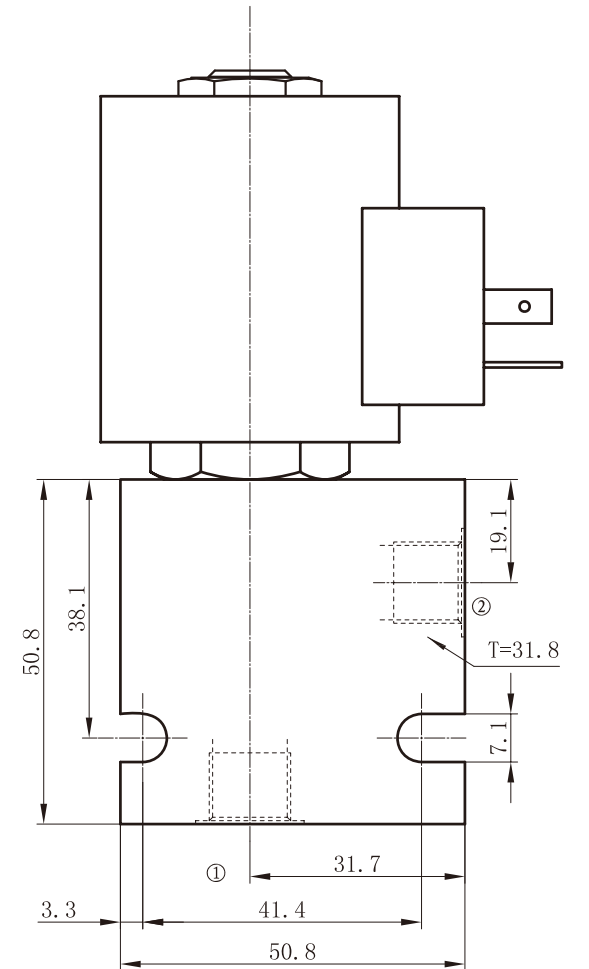
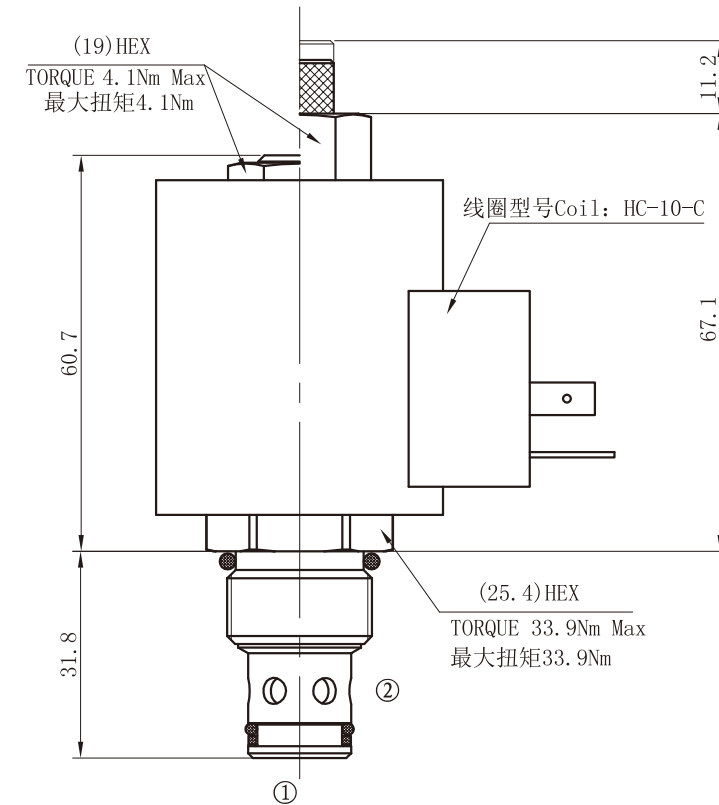
Steel rated at 35 MPa

INSTALLATION DIMENSIONS

安装尺寸

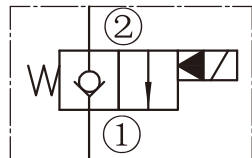
Coil Must Be Installed With Lettering Up
安装线圈时，字母必须朝上。

Unit=Millimeters



SYMBOL

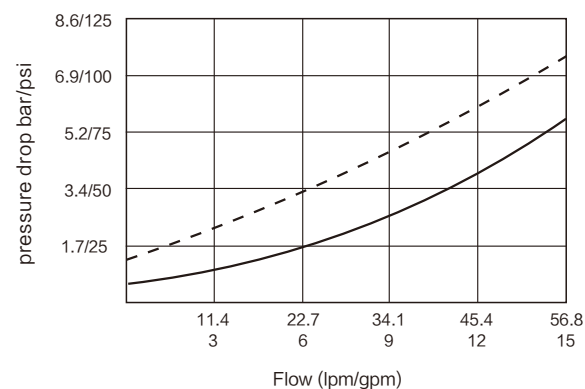
机能符号



PRESSURE DROP VS.FLOW

性能图

- ② to ① ——— Energized: 通电
- ① to ② - - - - De-Energized: 不通电
- 32 cSt/150 sus Oil at 40°C



HSV10-20	*	-	*	-	*	*	-	*
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)

HSV08-21

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 allow 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。

FEATURES

特性

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

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: 08-2

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

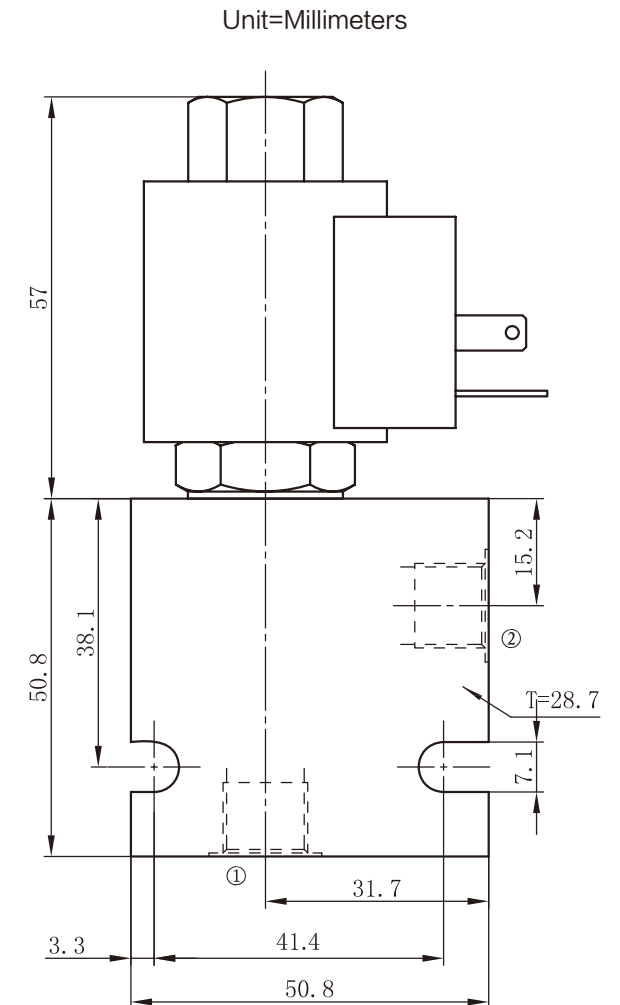
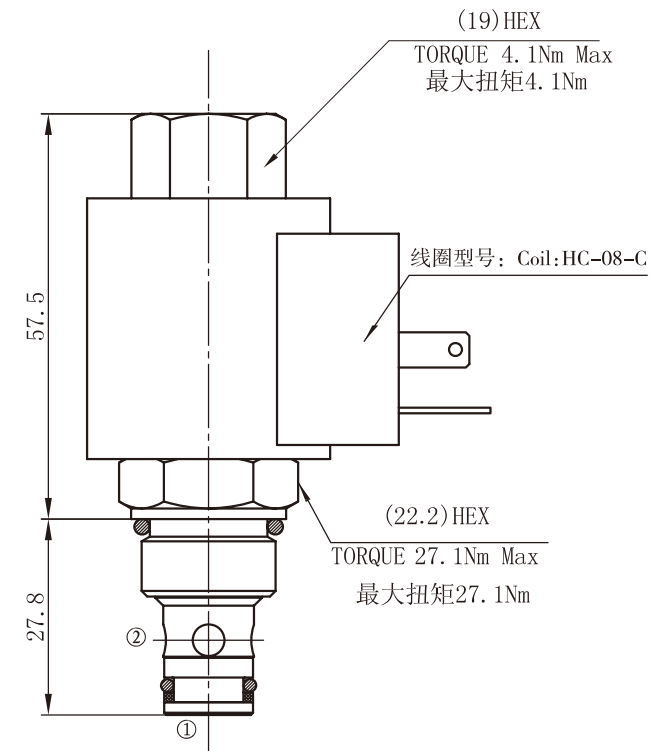
Steel rated at 35 MPa

INSTALLATION DIMENSIONS

安装尺寸

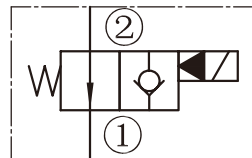
Coil Must Be Installed With Lettering Up

安装线圈时，字母必须朝上。



SYMBOL

机能符号



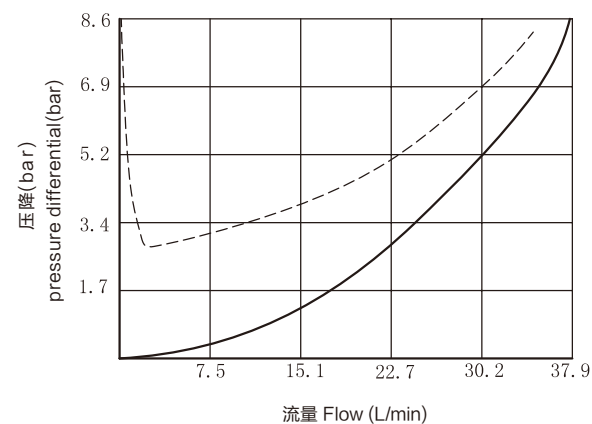
PRESSURE DROP VS. FLOW

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



HSV08-21		*	*	*	*	*	*	*
电磁阀 Solenoid Valve								
S=Screen 过滤网								
Omit for standard 省略为常规								
M=Manual Override 手动卸荷								
Omit for standard 省略为常规								
油封 Seal Kits								
无 = 丁晴橡胶 (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								
4T=SAE4								
6T=SAE6								
2G=G1/4								
3G=G3/8								
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)								

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。

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。

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

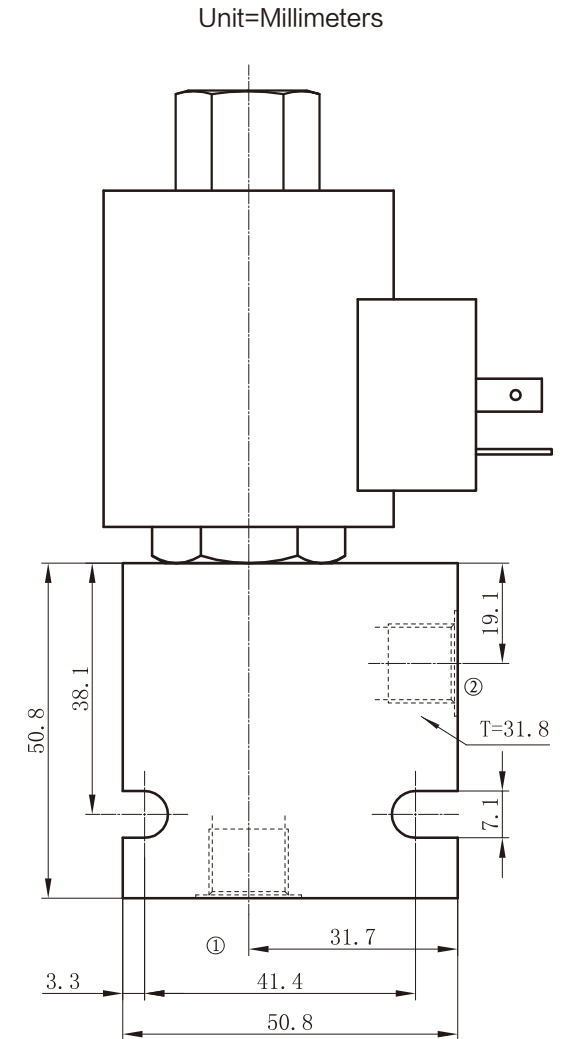
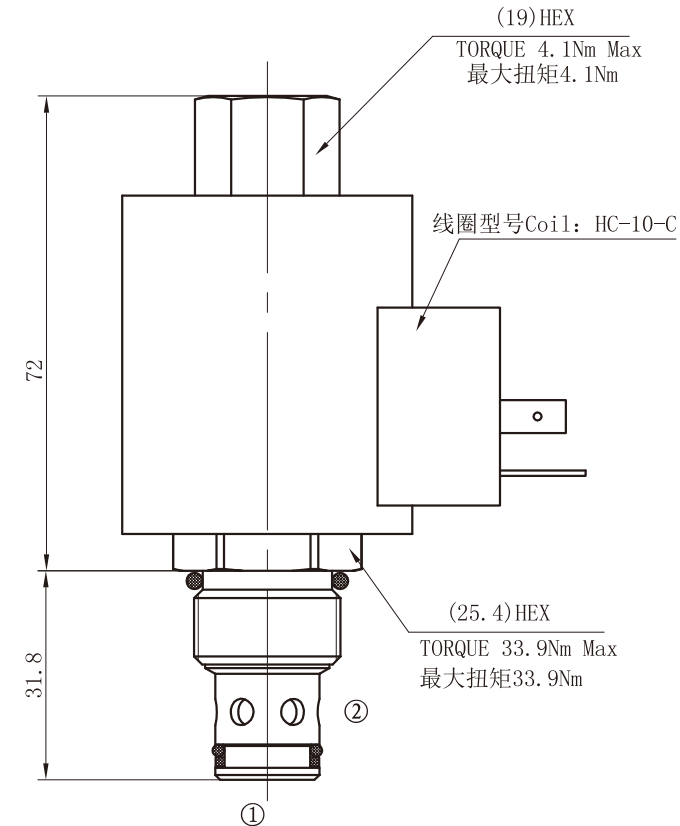
Anodized 6061-T6 aluminum alloy rated at 20.7MPa

Steel rated at 35 MPa

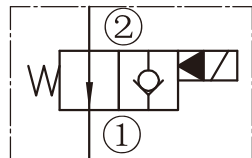
INSTALLATION DIMENSIONS

安装尺寸

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

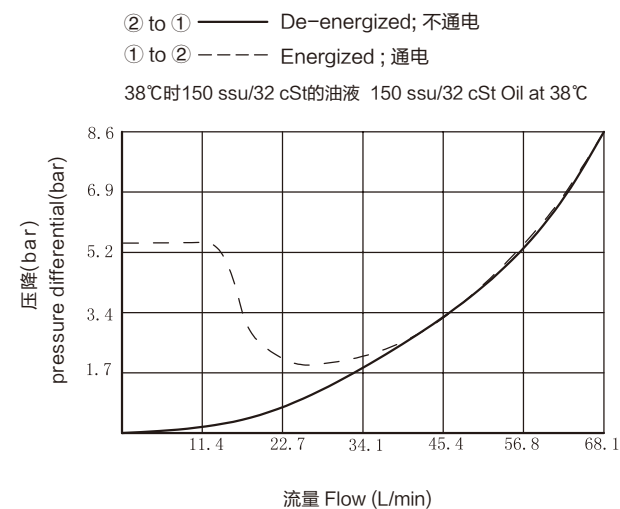


SYMBOL 机能符号



PRESSURE DROP VS.FLOW

性能图



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)

HSV08-22

二位二通电磁阀 常闭 锥阀型

Normally-Closed, Two-Way, Two-Position
Pilot-Operated Cartridge Solenoid Valve
With Reverse Flow Energized

OPERATION

工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path. In this mode, flow is also allowed from ① to ②.

当电磁铁不通电时，①到②相当于单向阀，②到①关闭；

当电磁铁通电时，②到①，①到②互通。

Operation of Manual Override Option: To override, push button in, twist counterclockwise and release. In this position, the valve will remain open. To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

先推进按钮，然后逆时针方向旋转，释放。此时阀口打开；

返回到常态，推进按钮，然后顺时针方向旋转，释放。旋钮将被固定在这位置。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Hardened seat for long life. · 长寿命的阀。
- Optional coil voltages and terminations. · 可选择的线圈电压和终端。
- Manual override option. · 可带手动卸荷。
- Efficient wet-armature construction. · 高效能的电磁铁结构。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

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 °C to +120°C

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: 08-2

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

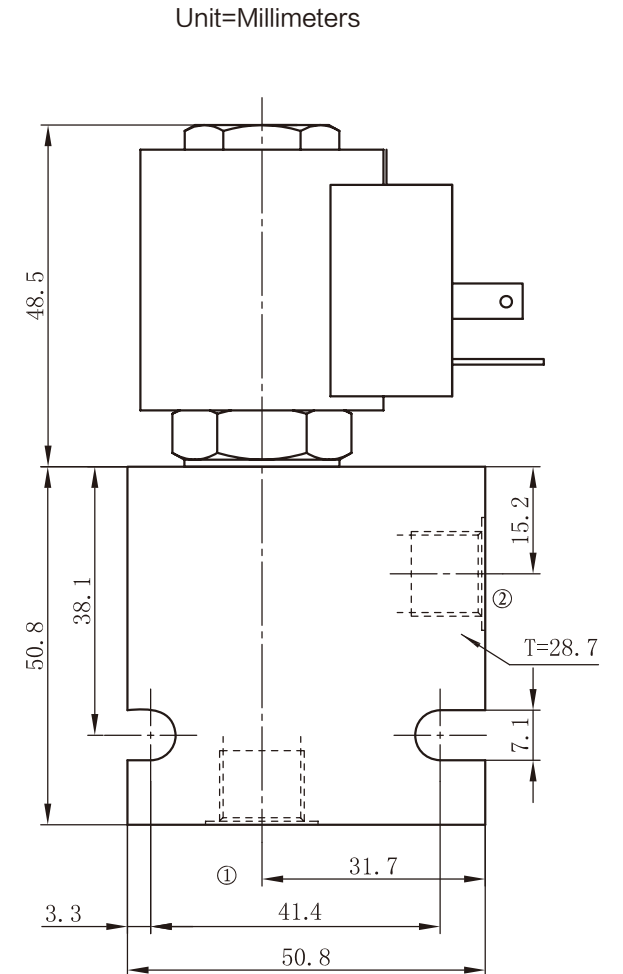
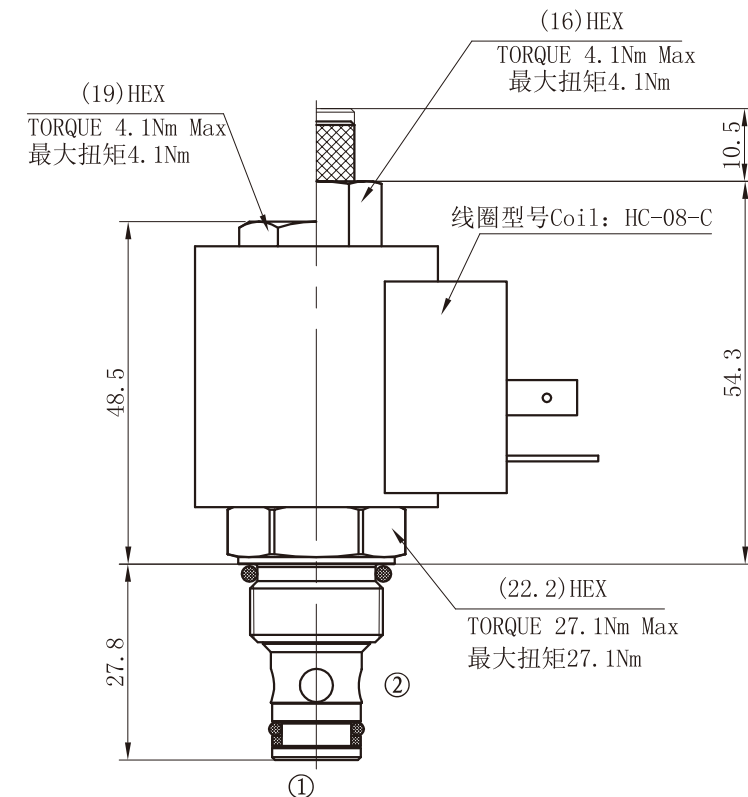
Anodized 6061-T6 aluminum alloy rated at 20.7MPa

Steel rated at 35 MPa

INSTALLATION DIMENSIONS

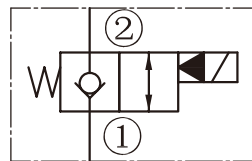
安装尺寸

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



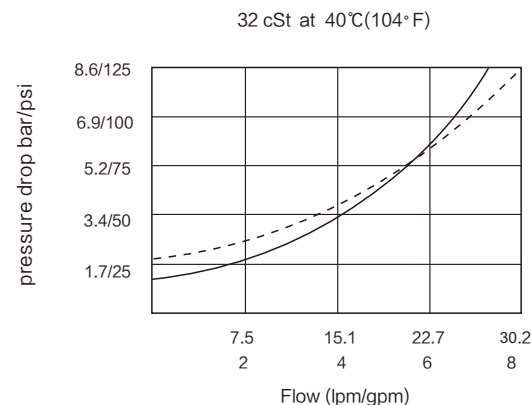
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-22 * * * * *									
电磁阀 Solenoid Valve									
S=Screen 过滤网									
Omit for standard 省略为常规									
M=Manual Override 手动卸荷									
Omit for standard 省略为常规									
油封 Seal Kits									
无 = 丁晴橡胶 (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									
4T=SAE4									
6T=SAE6									
2G=G1/4									
3G=G3/8									
Other Porting is Available									
其它螺纹油口也是可以选的									
(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)									

HSV10-22

二位二通电磁阀 常闭 锥阀型

Normally-Closed, Two-Way, Two-Position,
Pilot-Opersted
Cartridge Solenoid Valve With Reverse
Flow Energized

OPERATION 工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.
When energized, the poppet lifts to open the ② to ① flow path. In this mode, flow is also allowed from ① to ②.

当电磁铁不通电时, ①到②相当于单向阀, ②到①关闭;
当电磁铁通电时, ②到①, ①到②互通。

手控应急 Operation of Manual Override Option: To override, push button in, twist counterclockwise and release. In this position, the valve will remain open. To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

先推进按钮, 然后逆时针方向旋转, 释放。此时阀口打开; 返回到常态推进按钮, 然后顺时针方向旋转, 释放。旋钮将被固定在这位置。

FEATURES 特性

- Continuous-duty solenoid.
- Efficient wet-armature construction.
- Hardened seat for long life.
- Industry common cavity.
- Compact size
- 可持续工作的电磁铁。
- 高效能电磁铁结构。
- 长寿命的阀。
- 工业通用插孔。
- 结构紧凑。

SPECIFICATIONS 技术参数

最大工作压力 Max. Operating Pressure: 207Bar

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

内泄漏 Internal Leakage: < 3drops/min. Max at 207 bar

介质温度范围 Fluid temperature range: -30 °C to +120°C

线圈电压范围 Coil Rating: 90% to 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207bar

钢材允许使用最大压力350bar

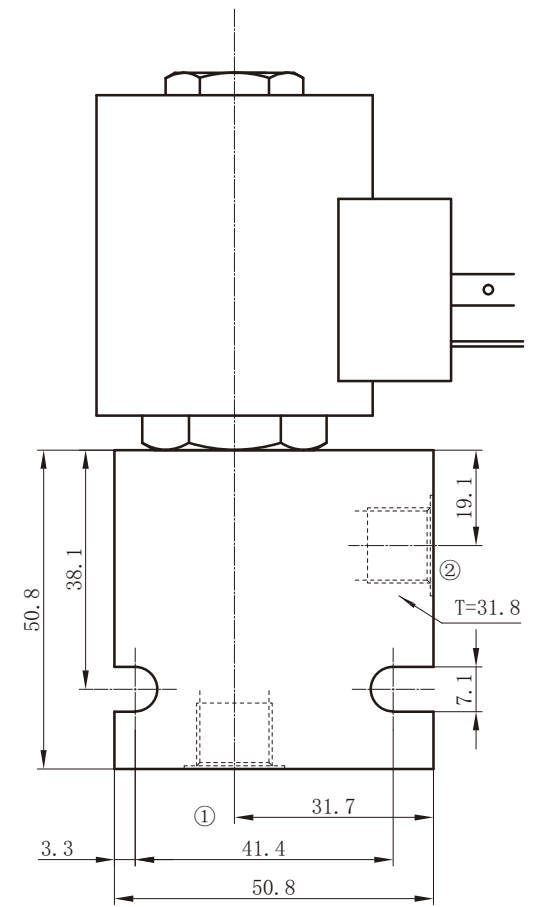
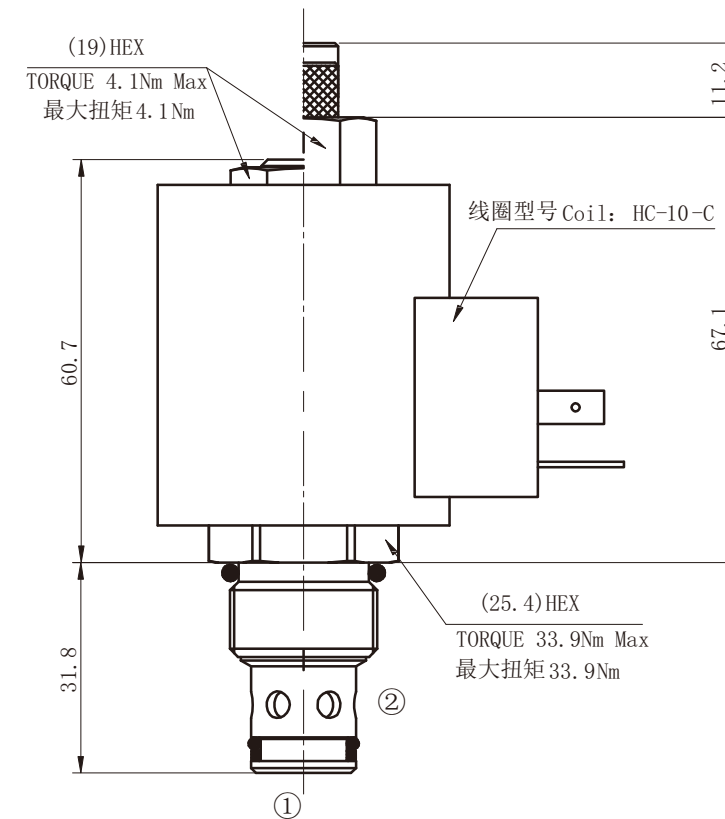
Anodized 6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

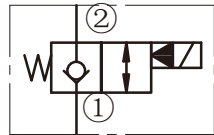
INSTALLATION DIMENSIONS 安装尺寸

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

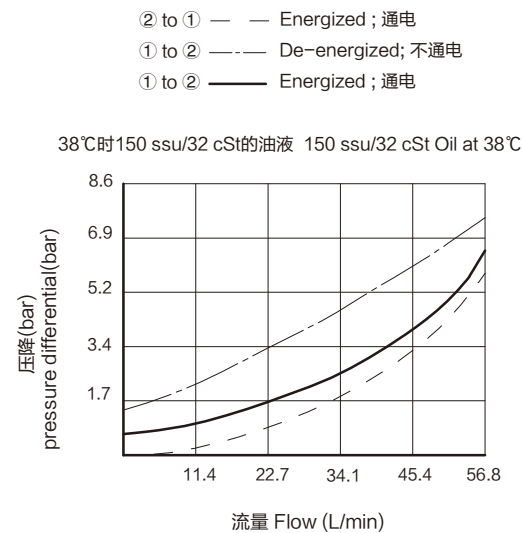
Unit=Millimeters



SYMBOL 机能符号



PRESSURE DROP VS.FLOW 性能图



HSV10-22		*	*	*	*	*	*
电磁阀 Solenoid Valve	BODY PORTING 阀块油口						6T=SAE6
	M=Manual Override 手动卸荷						8T=SAE8
	Omit for standard 省略为常规						3G=G3/8
	油封 Seal Kits						4G=G1/2
VOLTAGE 电压	无 = 丁晴橡胶 (标准型)						Other Porting is Available
	Omit for Buna N (standard)						其它螺纹油口也是可以选择的
	1=12V Volt DC						(Omit for Cartridge only
	2=24V Volt DC						省略为不带阀块)
COIL CONNECTION 线圈连接	3=110V Volt AC						D=Double Lead 双线
	4=220V Volt AC						H=Hirschmann 三插
							ER=Deutsch Connector
							(Water proof Coil)

HSV08-23

二位二通电磁阀 常开 锥阀型

Normally-Open, Two-Way, Two-Position
Poppet Type Cartridge Solenoid Valve
With Reverse Flow De-energized

OPERATION

工作原理

When de-energized, the poppet lifts to open flow both ② and ①;
When energized, the cartridge acts as a check valve, allowing flow from ① to ② after overcoming the solenoid force. (requires 3.4 to 10.3 bar) .while blocking flow from ② to ①.

当电磁铁不通电时，从②口到①口双向通；

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。

FEATURES

特性

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

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 °C to +120°C

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: 08-2

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

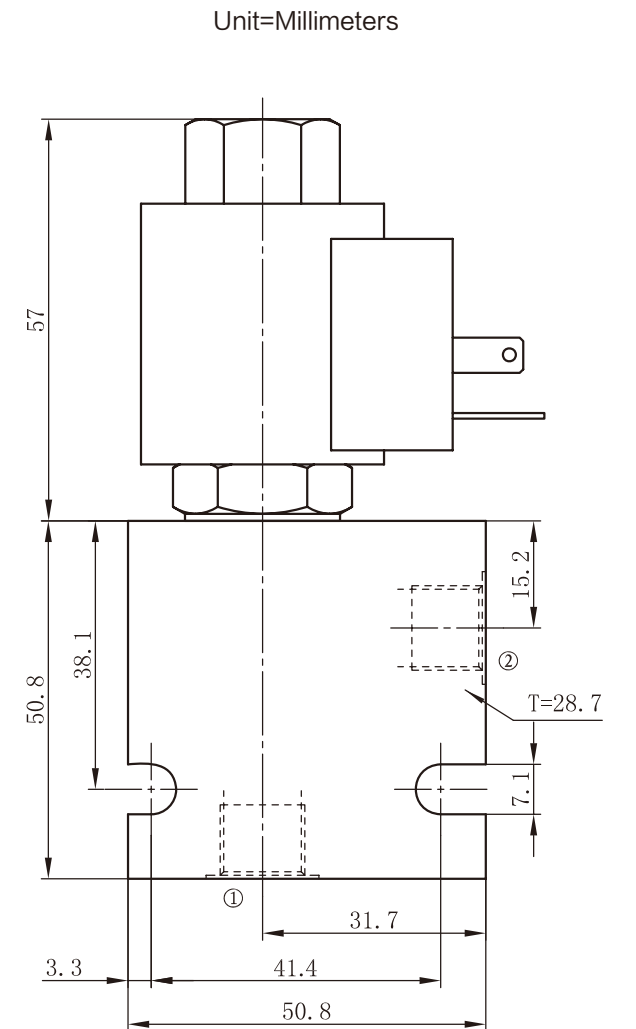
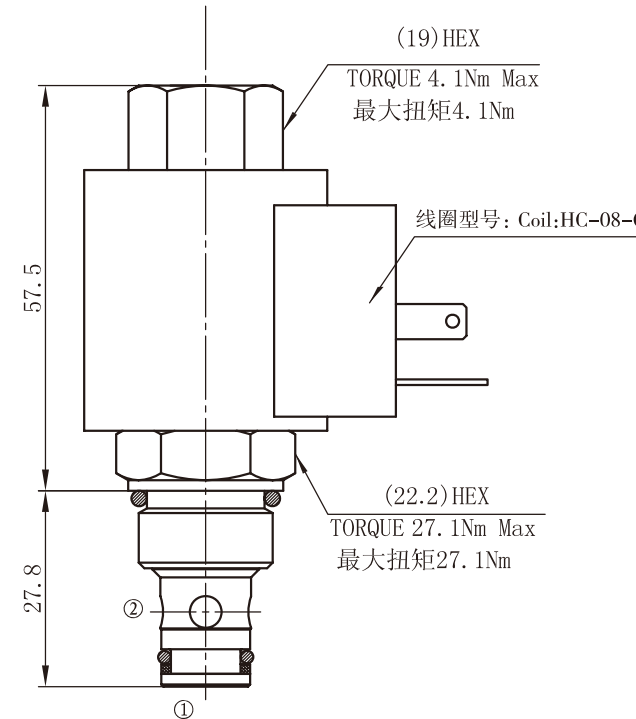
Steel rated at 35 MPa

INSTALLATION DIMENSIONS

安装尺寸

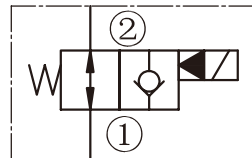
Coil Must Be Installed With Lettering Up

安装线圈时，字母必须朝上。



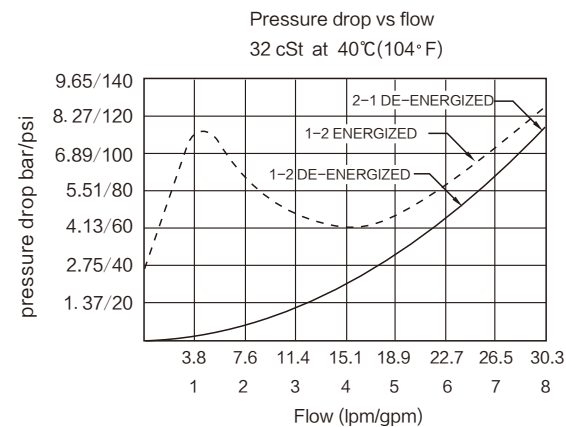
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-23 * - * - * - * - *									
电磁阀 Solenoid Valve									
S=Screen 过滤网									
Omit for standard 省略为常规									
M=Manual Override 手动卸荷									
Omit for standard 省略为常规									
油封 Seal Kits									
无 = 丁晴橡胶 (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									
4T=SAE4									
6T=SAE6									
2G=G1/4									
3G=G3/8									
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)									

HSV08-23B

二位二通电磁阀 常开 锥阀型

Normally-Open, Two-Way, Two-Position,
Poppet Type
Cartridge Solenoid Valve With Reverse
Flow De-energized

OPERATION 工作原理

When de-energized, the poppet lifts to open flow both ② and ①;
When energized, the cartridge acts as a check valve, allowing flow
from ① to ② after overcoming the solenoid force. (requires 3.4 to
10.3 bar) .while blocking flow from ② to ①.
当电磁铁不通电时, 从②口到①口双向通;
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。
手控应急 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。

FEATURES 特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

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 Fluid temperature range: -30 °C to +120 °C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2B

阀块材料 Body Material:

6061-T6铝, 允许使用最大压力207bar

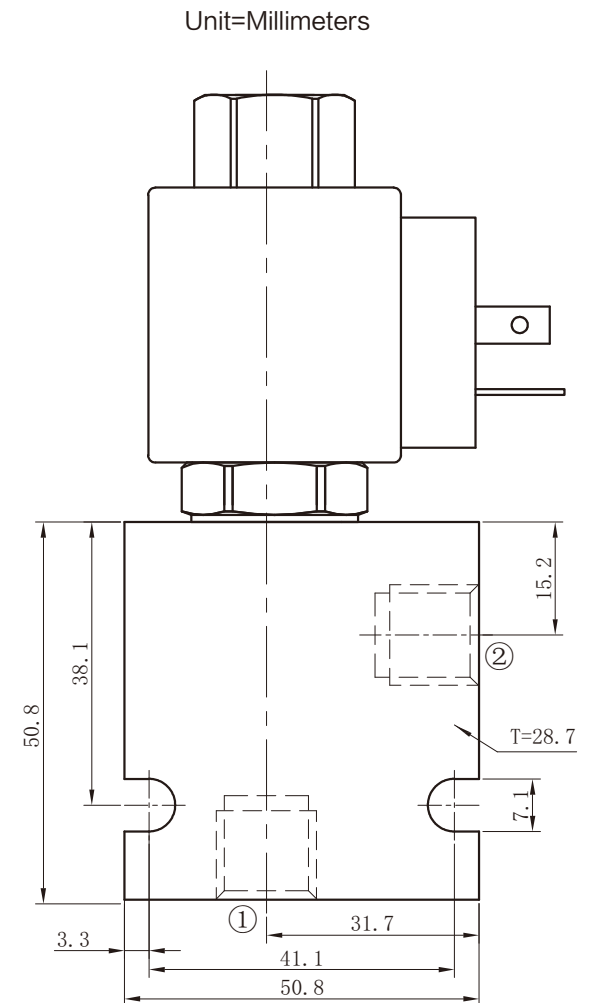
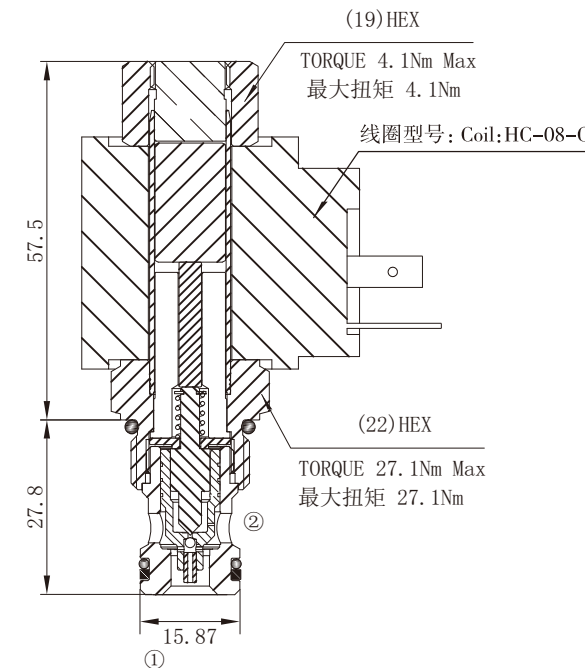
钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207 bar

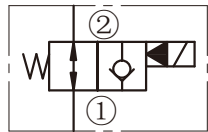
Steel rated at 350 bar

INSTALLATION DIMENSIONS 安装尺寸

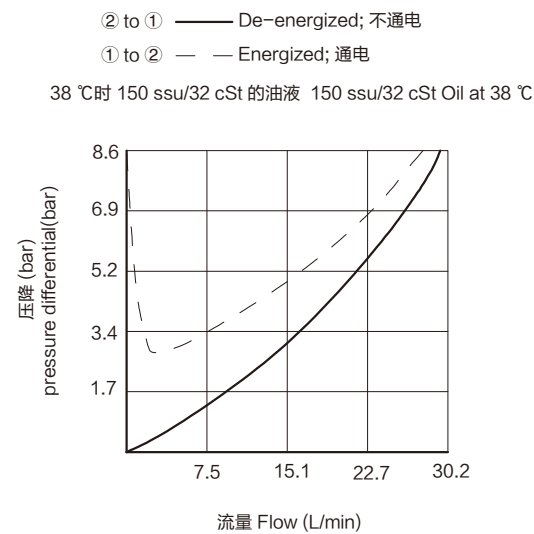
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上



SYMBOL 机能符号



PRESSURE DROP VS. FLOW 性能图



HSV08-23B									
电磁阀 Solenoid Valve	*	*	*	*	*	*	*	*	*
S=Screen 过滤网 Omit for standard 省略为常规									
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)									

HSV10-23

二位二通电磁阀 常开 锥阀型

Normally-Open, Two-Way, Two-Position,
Poppet Type
Cartridge Solenoid Valve With Reverse
Flow De-energized

OPERATION 工作原理

When de-energized, the poppet lifts to open flow both ② and ①;
When energized, the cartridge acts as a check valve, allowing flow
from ① to ② after overcoming the solenoid force. (requires 3.4 to
10.3 bar) .while blockong flow from ② to ①.
当电磁铁不通电时，从②口到①口双向通；
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。
手控应急 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。

FEATURES 特性

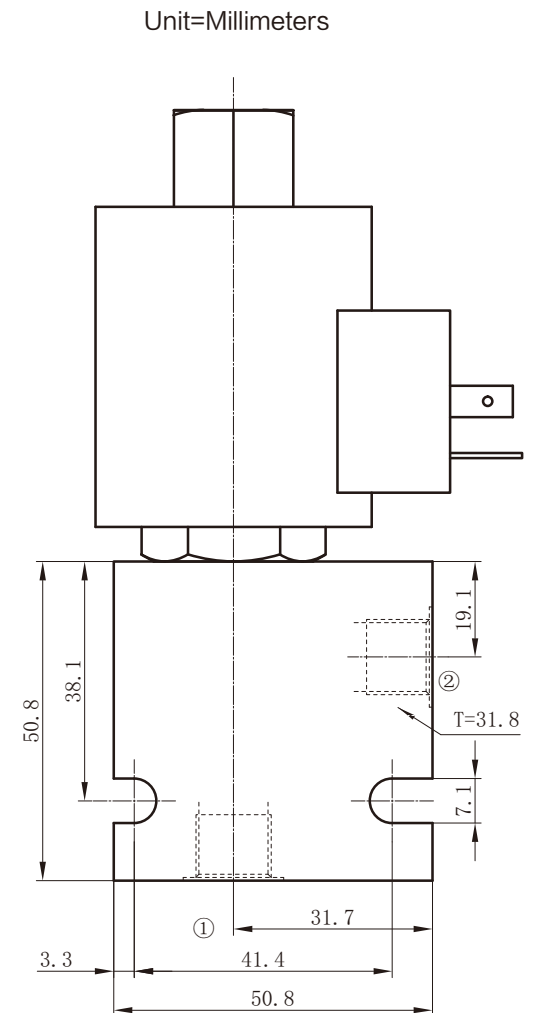
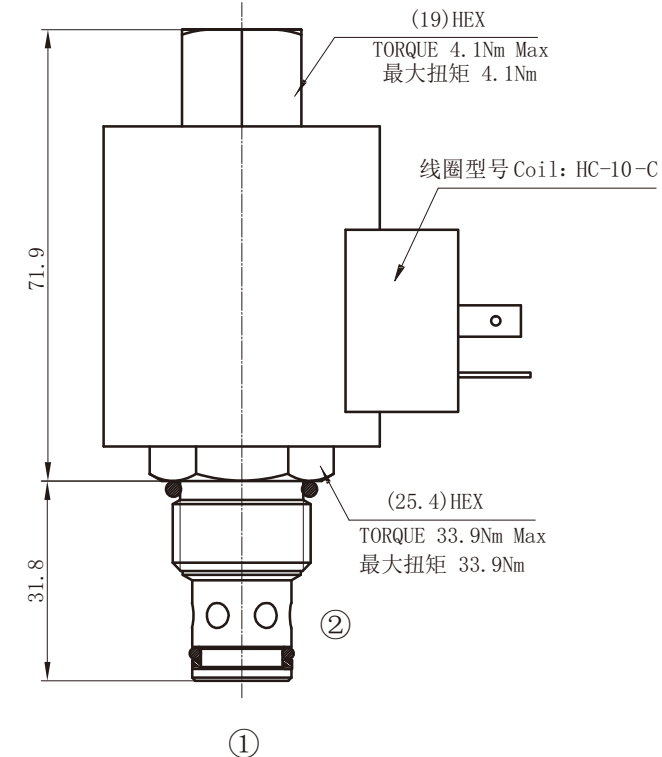
- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS 技术参数

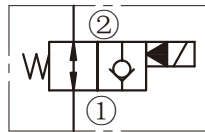
最大工作压力 Max. Operating Pressure : 207 Bar
流量Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage: < 3drops/min. Max at 207 bar
介质温度范围 Fluid temperature range: -30 °C to +120 °C
线圈电压范围Coil Rating: 90% to 110% of Rated Voltage
过滤Filtration:
Critical Application – ISO 18/16/13
Non-Critical 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207bar
钢材允许使用最大压力350bar
Anodized 6061-T6 aluminum alloy rated at 207 bar
Steel rated at 350 bar

INSTALLATION DIMENSIONS 安装尺寸

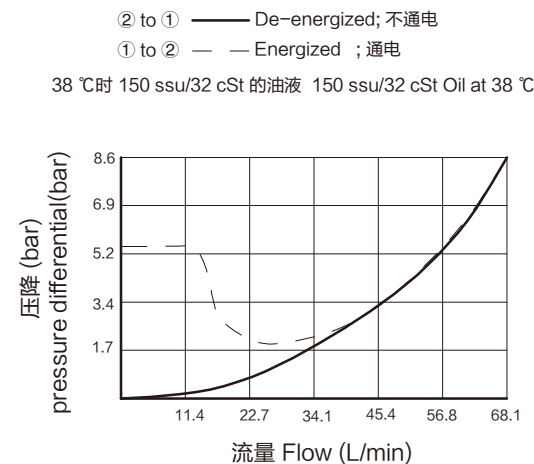
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上



SYMBOL 机能符号



PRESSURE DROP VS.FLOW 性能图



HSV10-23									
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 = 丁晴橡胶 (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)									

HSV08-24

二位二通电磁阀 滑阀型

Two-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When energized, the valve allows flow in both directions ,
When de-energized, the cartridge's spool shifts to block flow
in either direction.
得电时, 此阀允许油液双向流动;
断电时, 阀芯移动, 从而双向截止油液流动;
手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise
180° and release. In this position, valve will remain open in
a detented condition. To return to normal operation, push
button in, twist clockwise 180° and release. Override will be
detented in this position.
应急手动操控方法: 要进行应急操作时, 先按下旋钮, 然后逆时针旋转
180° 后松开, 阀口打开;
要恢复操作, 按下按钮顺时针旋转 180° 后松开, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

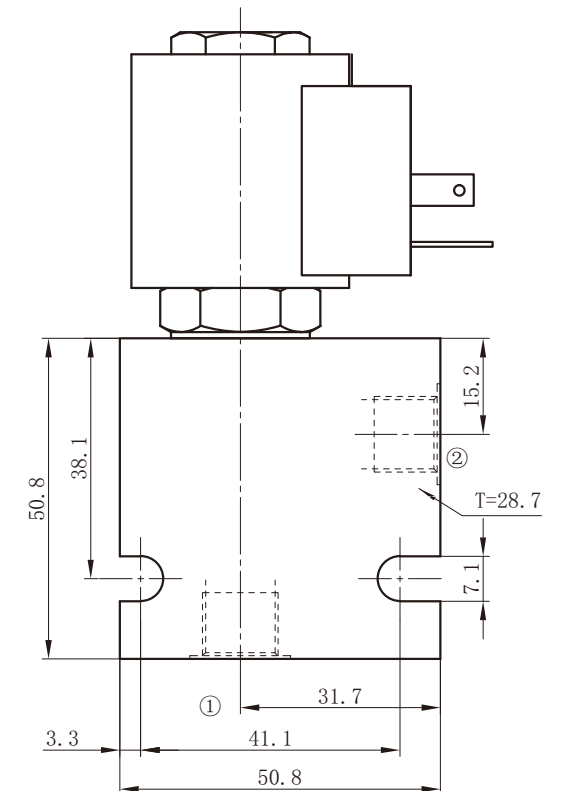
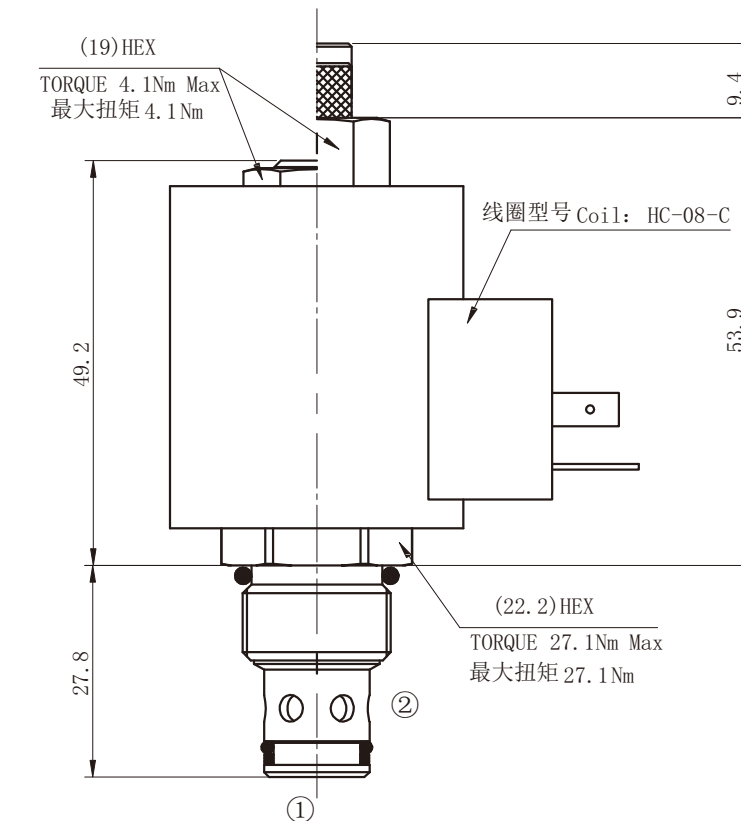
最大工作压力 Max. Operating Pressure : 207Bar
流量Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage: 82ml/min max. at 207bar
介质温度范围 Fluid temperature range: -30 °C to +120°C
线圈电压范围Coil Rating: 90% to 110% Of Rated Voltage
过滤Filtration:
Critical Application – ISO 18/16/13
Non-Critical Application – ISO 19/17/14
介质 Fluids: 矿物油。其它流体请咨询工厂。
Mineral-based fluids.
For other fluid compatibility, consult factory.
插孔 Cavity: 08-2
阀块材料Body Material:
6061-T6铝, 允许使用最大压力207bar
钢材允许使用最大压力350bar
Anodized 6061-T6 aluminum alloy rated at 207bar
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

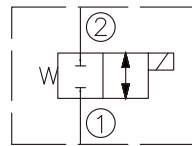
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



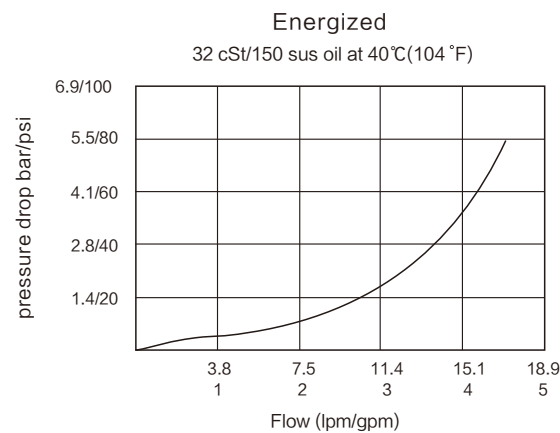
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-24- * - * - * - * - *									
电磁阀 Solenoid Valve									
S=Screen 过滤网		Omit for standard 省略为常规		M=Manual Override 手动卸荷		Omit for standard 省略为常规		BODY PORTING 阀块油口	
油封 Seal Kits		无 = 丁晴橡胶 (标准型)		Omit for Buna N (standard)		6T=SAE6		8T=SAE8	
VOLTAGE 电压		1=12V Volt DC		2=24V Volt DC		3=110V Volt AC		4=220V Volt AC	
								3G=G3/8	
								4G=G1/2	
								Other Porting is Available	
								其它螺纹油口也是可以选的	
								(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)	

HSV10-24

二位二通电磁阀 滑阀型

Two-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When energized, the valve allows flow in both directions ,
When de-energized, the cartridge's spool shifts to block flow in either direction.
得电时，此阀允许油液双向流动；
断电时，阀芯移动，从而双向截止油液流动；
手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release.
In this position, valve will remain open in a detented condition.
To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.
应急手动操作方法：要进行应急操作时，先按下旋钮，然后逆时针旋转 180° 后松开，阀口打开；
要恢复操作，按下按钮顺时针旋转 180° 后松开，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

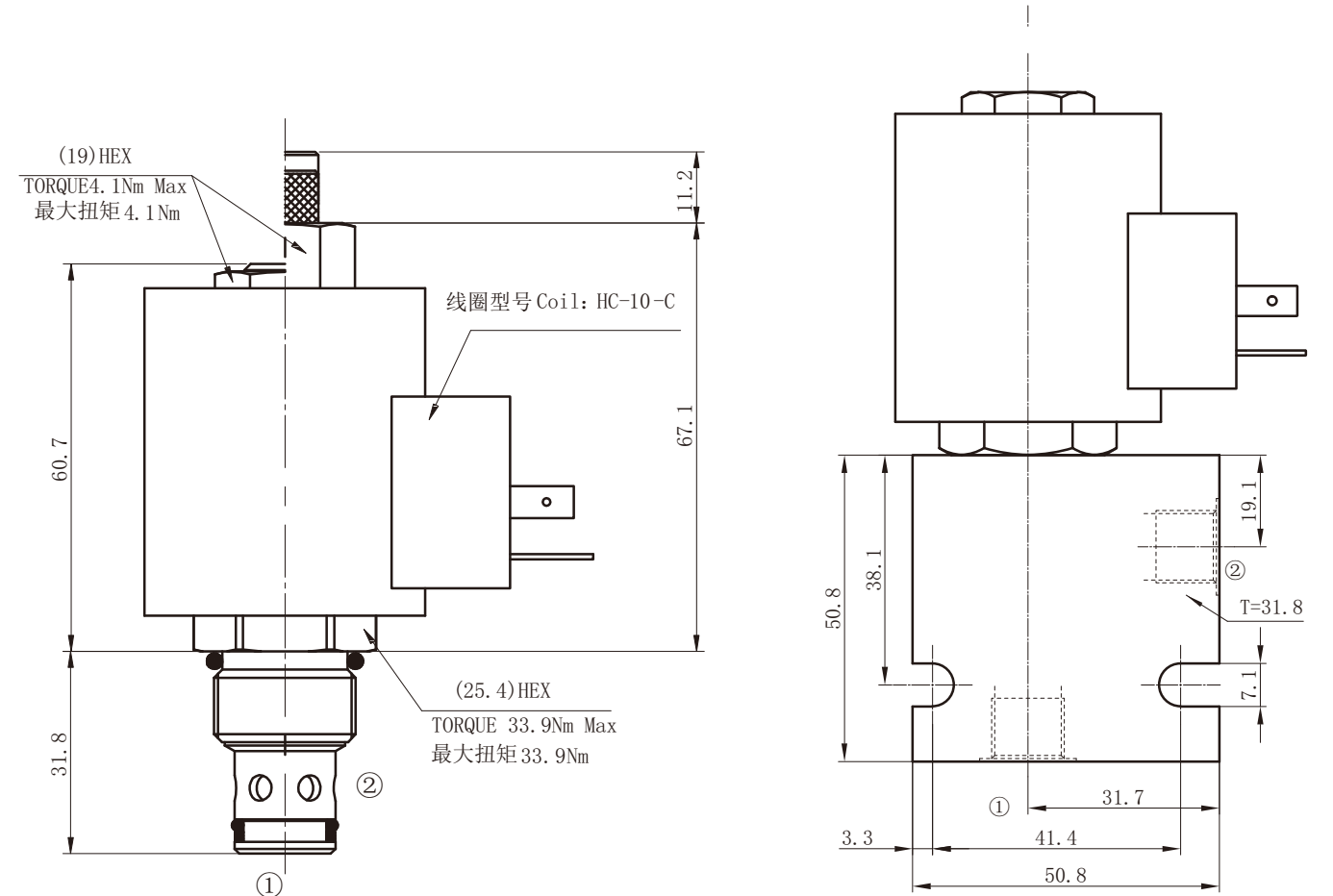
技术参数

最大工作压力 Max. Operating Pressure : 207Bar
流量Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage: 82cc/min
Our ideal leakage <82ml/min
介质温度范围 Fluid temperature range: -30 °C to +120 °C
线圈电压范围Coil Rating: 90% to 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207bar
钢材允许使用最大压力350bar
Anodized 6061-T6 aluminum alloy rated at 207bar
Steel rated at 350bar

INSTALLATION DIMENSIONS

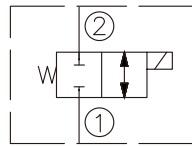
安装尺寸

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



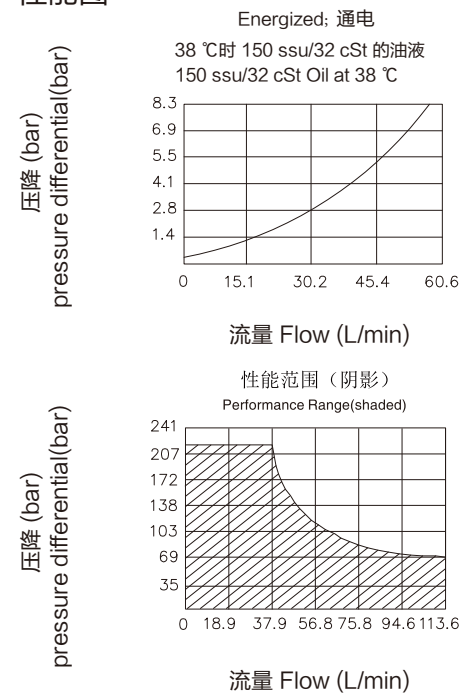
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV10-24		*	*	*	*	*	*
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 = 丁晴橡胶 (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)							

HSV08-25

二位二通电磁阀 滑阀型

Two-Way, Two-Position, Spool-Type Cartridge Solenoid Valve

OPERATION 工作原理

When de-energized, the valve allows flow in both directions ,
When energized, the cartridge's spool shifts to block flow in either direction.
失电时，此阀允许油液双向流动；
得电时，阀芯移动，从而双向截止油液流动；
手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release.
In this position, valve will remain detented in the shifted condition.
To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.
应急手动操控方法：要进行应急操作时，先按下旋钮，然后逆时针旋转 180° 后松开，阀口关闭；
要恢复操作，按下按钮顺时针旋转 180° 后松开，返回到常态。

FEATURES 特性

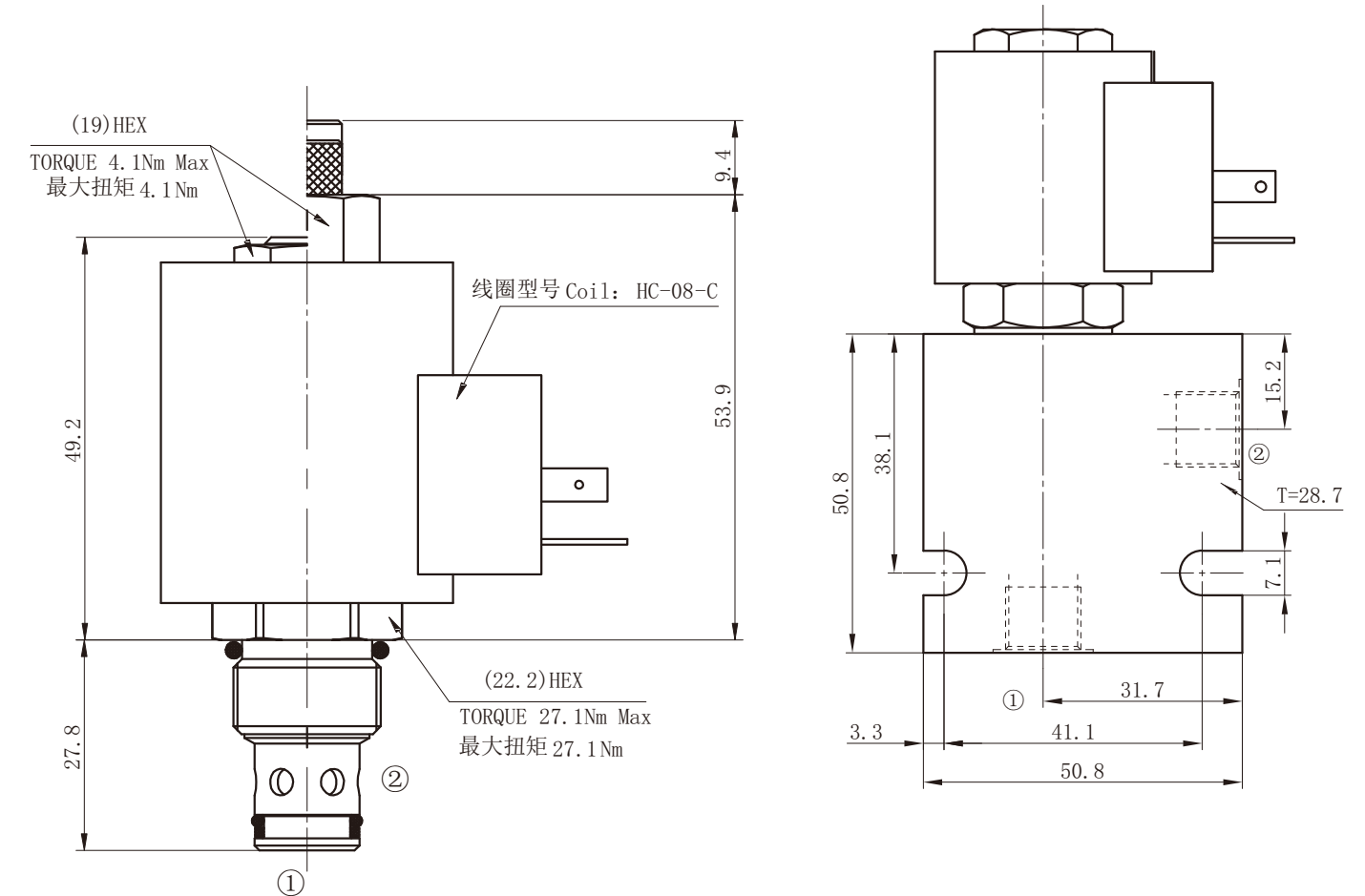
- Continuous-duty solenoid. 可持续工作的电磁铁。
- Efficient wet-armature construction. 高效能电磁铁结构。
- Hardened seat for long life. 长寿命的阀。
- Industry common cavity. 工业通用插孔。
- Compact size 结构紧凑。

SPECIFICATIONS 技术参数

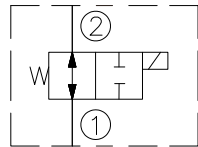
最大工作压力 Max. Operating Pressure : 207Bar
流量 Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage:82ml/min max. at 207bar
介质温度范围 Fluid temperature range: -30°C to +120 °C
线圈电压范围 Coil Rating: 90% to 110% Of Rated Voltage
过滤 Filtration:
Critical Application – ISO 18/16/13
Non-Critical Application – ISO 19/17/14
介质 Fluids: 矿物油。其它流体请咨询工厂。
Mineral-based fluids.
For other fluid compatibility,consult factory.
插孔 Cavity: 08-2
阀块材料 Body Material:
6061-T6铝，允许使用最大压力207bar
钢材允许使用最大压力350bar
Anodized 6061-T6 aluminum alloy rated at 207bar
Steel rated at 350bar

INSTALLATION DIMENSIONS 安装尺寸

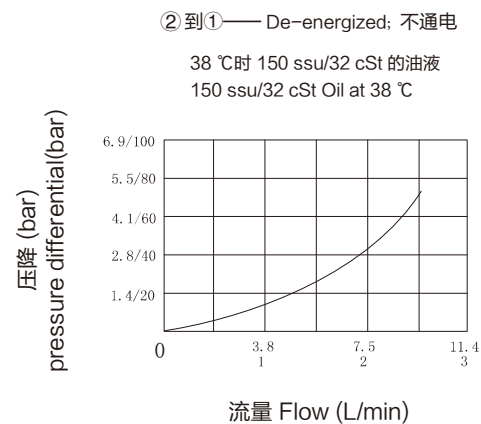
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上



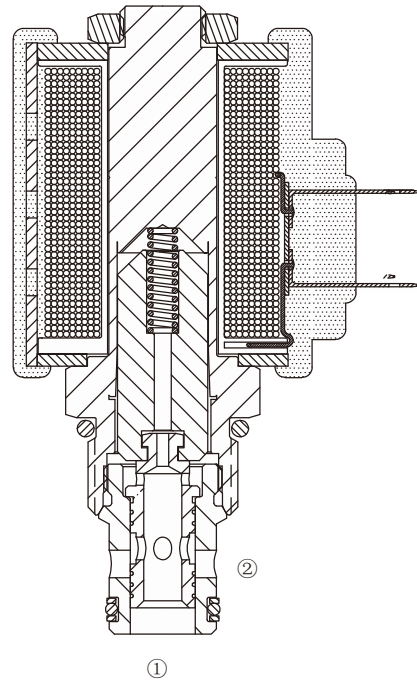
SYMBOL 机能符号



PRESSURE DROP VS.FLOW 性能图



HSV08-25- * - * - * - * - *									
电磁阀 Solenoid Valve									
S=Screen 过滤网 Omit for standard 省略为常规		M=Manual Override 手动卸荷 Omit for standard 省略为常规		油封 Seal Kits 无 = 丁晴橡胶 (标准型) Omit for Buna N (standard)		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的 (Omit for Cartridge only 省略为不带阀块)			
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC						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)			



HSV10-25

二位二通电磁阀 滑阀型

Two-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow in both directions ,
When energized, the cartridge's spool shifts to block flow in either direction.
失电时，此阀允许油液双向流动；
得电时，阀芯移动，从而双向截止油液流动；
手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release.
In this position, valve will remain detented in the shifted condition.
To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.
应急手动操控方法：要进行应急操作时，先按下旋钮，然后逆时针旋转 180° 后松开，阀口关闭；
要恢复操作，按下按钮顺时针旋转 180° 后松开，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑

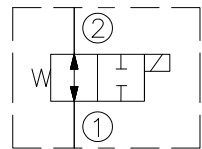
SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure: 207Bar
流量Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage: 82cc/min
Our ideal leakage < 82ml/min
介质温度范围 Fluid temperature range: -30°C to +120°C
线圈电压范围Coil Rating: 90% to 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207 bar
钢材允许使用最大压力350bar
Anodized 6061-T6 aluminum alloy rated at 207 bar
Steel rated at 350 bar

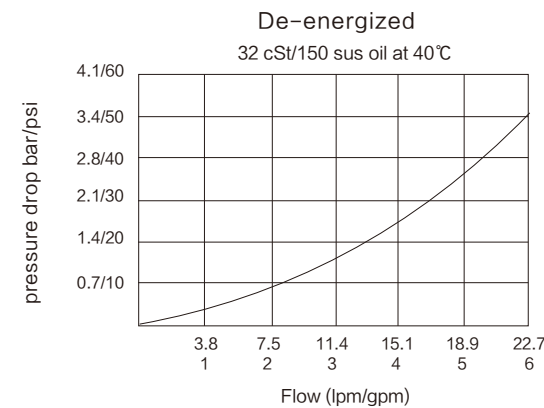
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图

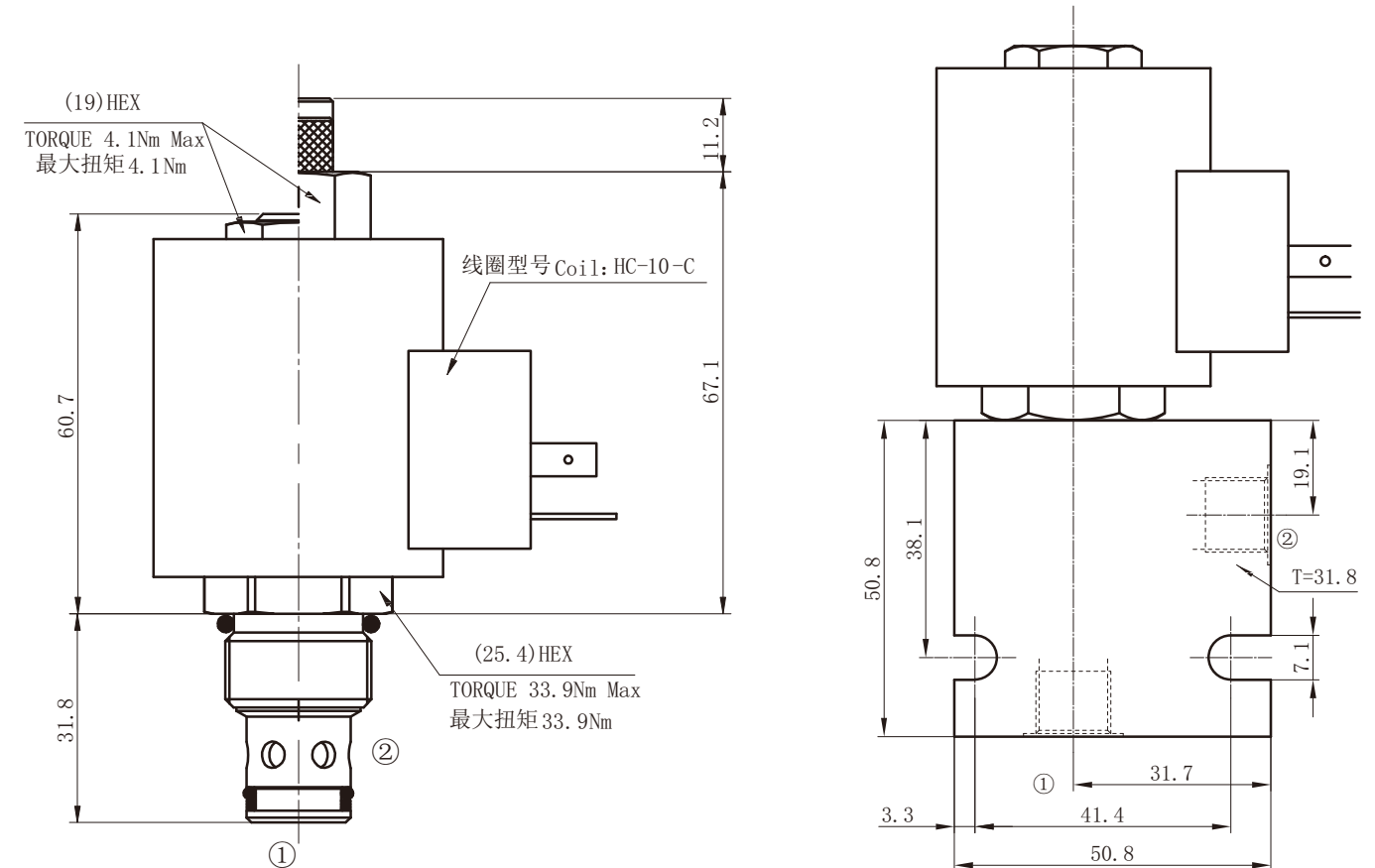


INSTALLATION DIMENSIONS

安装尺寸

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

Unit=Millimeters



HSV10-25									
电磁阀 Solenoid Valve		*	*	*	*	*	*	BODY PORTING 阀块油口	
M=Manual Override 手动卸荷 Omit for standard 省略为常规								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)	
油封 Seal Kits 无 = 丁晴橡胶 (标准型) Omit for Buna N (standard)								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)	
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC									

HSV08-28

二位二通电磁阀 双向止回型 常闭型

Normally-Closed, Two-Way, Two-Position,
Bi-Directional Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve blocks flow in both directions ,
When energized, the poppet shifts to allow flow in either
direction.

断电时，此阀截止油液双向流动；

得电时，阀芯打开，允许油液双向流动；

手控应急 Operation of Manual Override Option:

To override, push button in to activate .

To return to normal valve function, release button.

推进按钮，两油口互通；释放按钮，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure : 250 Bar

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

内泄漏 Internal Leakage: <3drops/min

Our ideal leakage <0.15ml/min

介质温度范围 Fluid temperature range: -30°C to +120°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

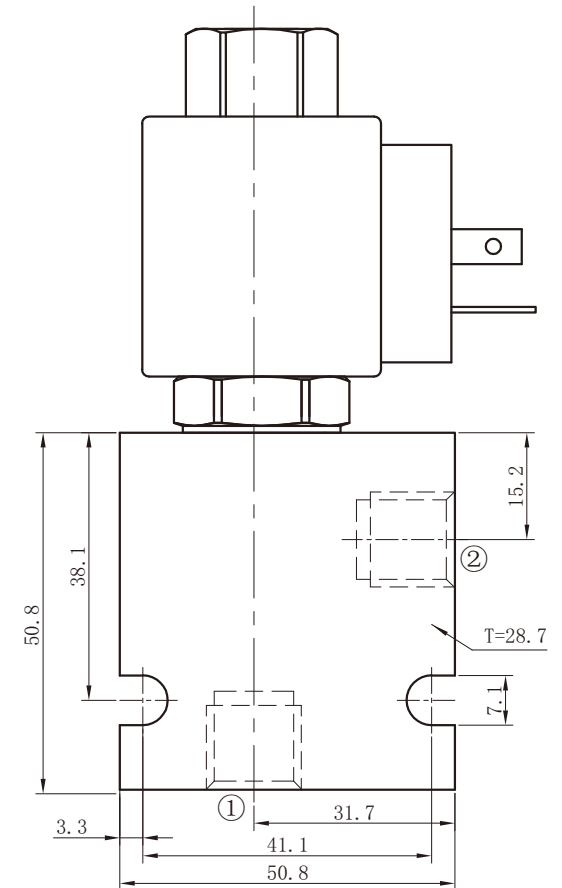
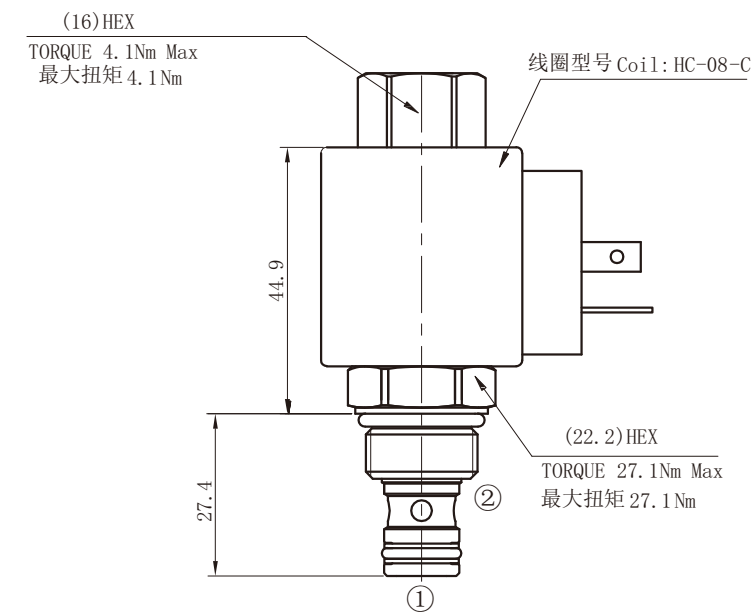
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

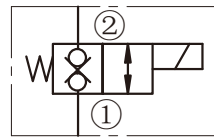
安装线圈时字母必须朝上

Unit=Millimeters



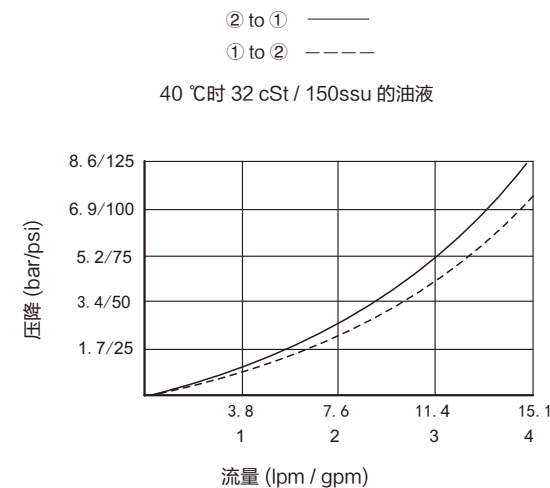
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-28									
电磁阀 Solenoid Valve	*	*	*	*	*	*	*	*	*
S=Screen 过滤网 Omit for standard 省略为常规									
M=Manual Override 手动卸荷 Omit for standard 省略为常规									
油封 Seal Kits 无 = 丁晴橡胶 (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)									

HSV08-28B

二位二通电磁阀 双向止回型

Normally-Closed, Two-Way, Two-Position,
Bi-Directional Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve blocks flow in both directions ,
When energized, the poppet shifts to allow flow in either
direction.

断电时，此阀截止油液双向流动；

得电时，阀芯打开，允许油液双向流动；；

手控应急 Operation of Manual Override Option:

To override, push button in to activate .

To return to normal valve function, release button.

推进按钮，两油口互通；释放按钮，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure: 250 Bar

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

内泄漏 Internal Leakage: <3drops/min

Our ideal leakage <0.15ml/min

介质温度范围 Fluid temperature range: -30°C to +120°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2B

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207bar

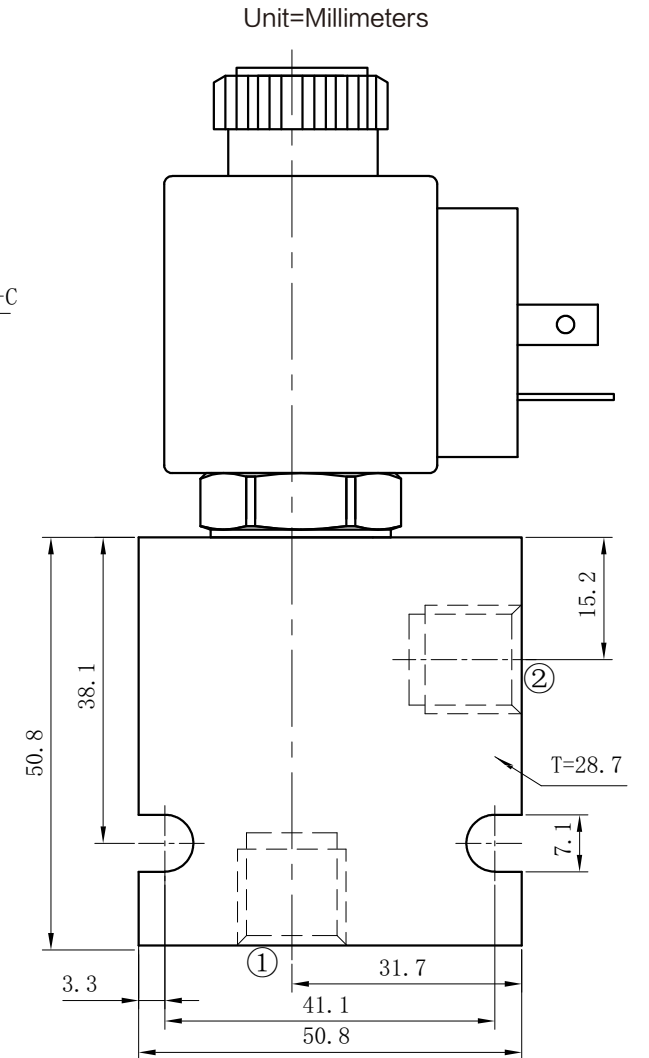
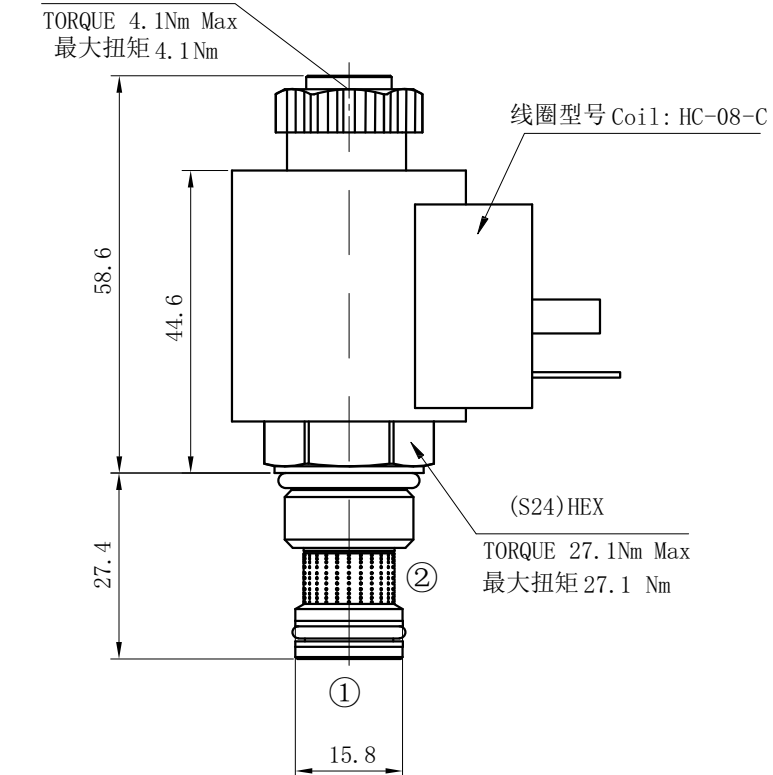
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

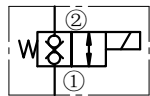
Coil Must Be Installed With Lettering Up

安装线圈时字母必须朝上



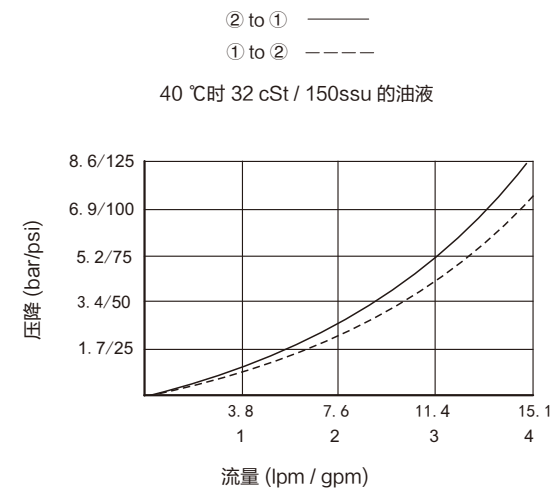
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-28B		*	*	*	*	*	*	*
电磁阀 Solenoid Valve								
S=Screen 过滤网								
Omit for standard 省略为常规								
M=Manual Override 手动卸荷								
Omit for standard 省略为常规								
油封 Seal Kits								
无 = 丁晴橡胶 (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)								

HSV08-20B

二位二通电磁阀 常闭型

Normally-Closed, Two-Way, Two-Position,
Pilot-Operated Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.
When energized, the poppet lifts to open the ② to ① flow path.

当电磁铁不通电时，①到②相当于单向阀，②到①关闭；
当电磁铁通电时，②到①开启。

手控应急 Operation of Manual Override Option:
To override, twist counter clockwise 2 turns.
To return to normal operation, twist clockwise 2 turns.
逆时针旋转旋钮两圈，2到1开启；顺时针旋转两圈，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. 可持续工作的电磁铁。
- Efficient wet-armature construction. 高效能电磁铁结构。
- Hardened seat for long life. 长寿命的阀。
- Industry common cavity. 工业通用插孔。
- Compact size. 结构紧凑。

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

Our ideal leakage < 0.15 ml/min

介质温度范围 Fluid temperature range: -30°C to +120°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2B

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

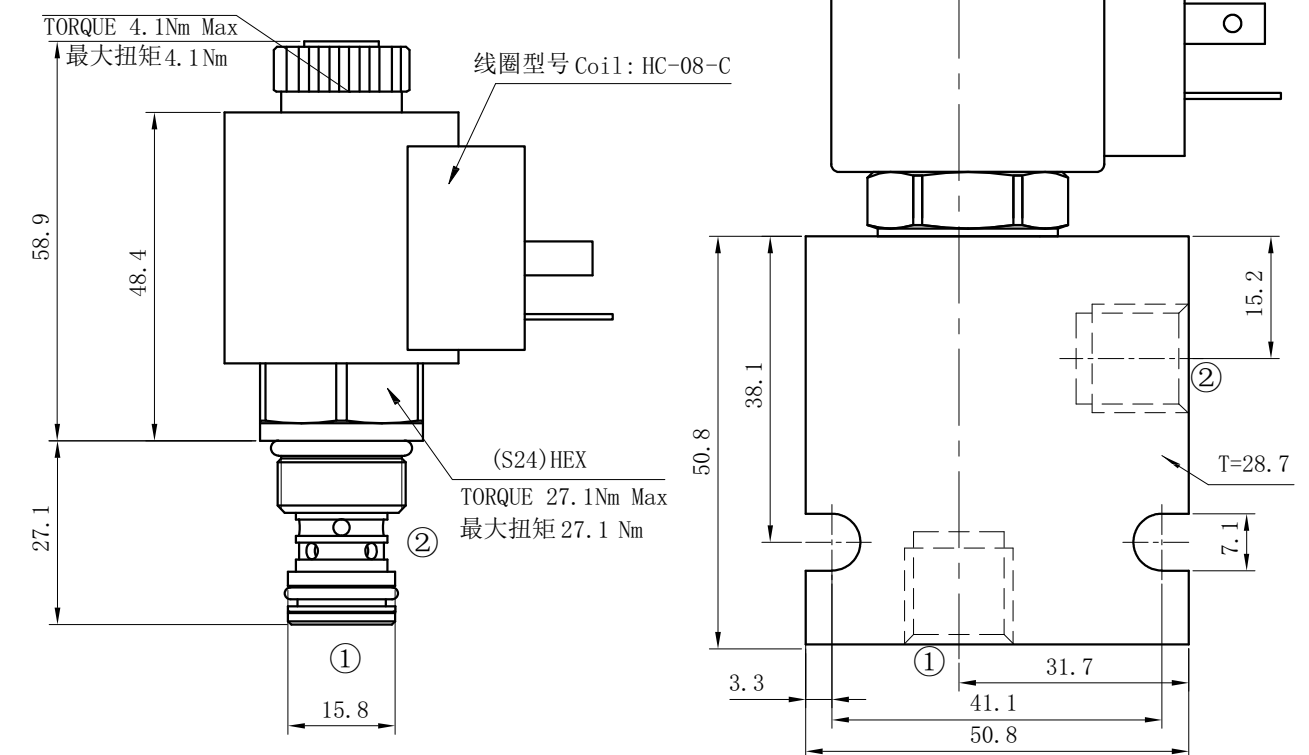
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

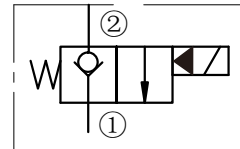
安装线圈时字母必须朝上

Unit=Millimeters



SYMBOL

机能符号



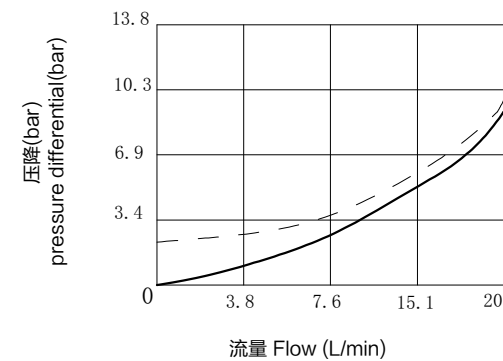
PRESSURE DROP VS.FLOW

性能图

② to ① ——— Energized; 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



HSV08-20B- * - * - * - * - *									
电磁阀 Solenoid Valve			BODY PORTING 阀块油口						
S=Screen 过滤网			6T=SAE6						
Omit for standard 省略为常规			8T=SAE8						
M=Manual Override 手动卸荷			3G=G3/8						
Omit for standard 省略为常规			4G=G1/2						
油封 Seal Kits			Other Porting is Available						
无 = 丁晴橡胶 (标准型)			其它螺纹油口也是可以选择的						
Omit for Buna N (standard)			(Omit for Cartridge only						
			省略为不带阀块)						
VOLTAGE 电压			COIL CONNECTION 线圈连接						
1=12V Volt DC			D=Double Lead 双线						
2=24V Volt DC			H=Hirschmann 三插						
3=110V Volt AC			ER=Deutsch Connector						
4=220V Volt AC			(Water proof Coil)						
			德意志插座 (防水线圈)						

HSV08-2NCSP-L

二位二通电磁阀 常闭 双向止回型

Normally-Closed, Two-Way, Two-Position
Bi-Directional Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve blocks flow in both directions.
When energized, the poppet shifts to allow flow in either direction.
当电磁铁不通电时, 此阀截止油液双向流动;
当电磁铁通电时, 阀芯打开, 允许油液从②流向①, 或从①流向②流动。

Operation of Manual Override Option: To override, push button in to activate. To return to normal valve function, release button.
推进按钮, 两油口互通; 释放按钮, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Hardened poppet and seat for long life. · 长寿命的阀芯和阀套。
- Efficient wet-armature construction. · 高效能的电磁铁结构。
- Optional coil voltages and terminations. · 可选择的线圈电压和终端。
- Manual override option. · 可带手动卸荷。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max.operating pressure(Bar): 250

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

内泄漏 Internal Leakage: < 5 drops/min.

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

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: 08-2

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

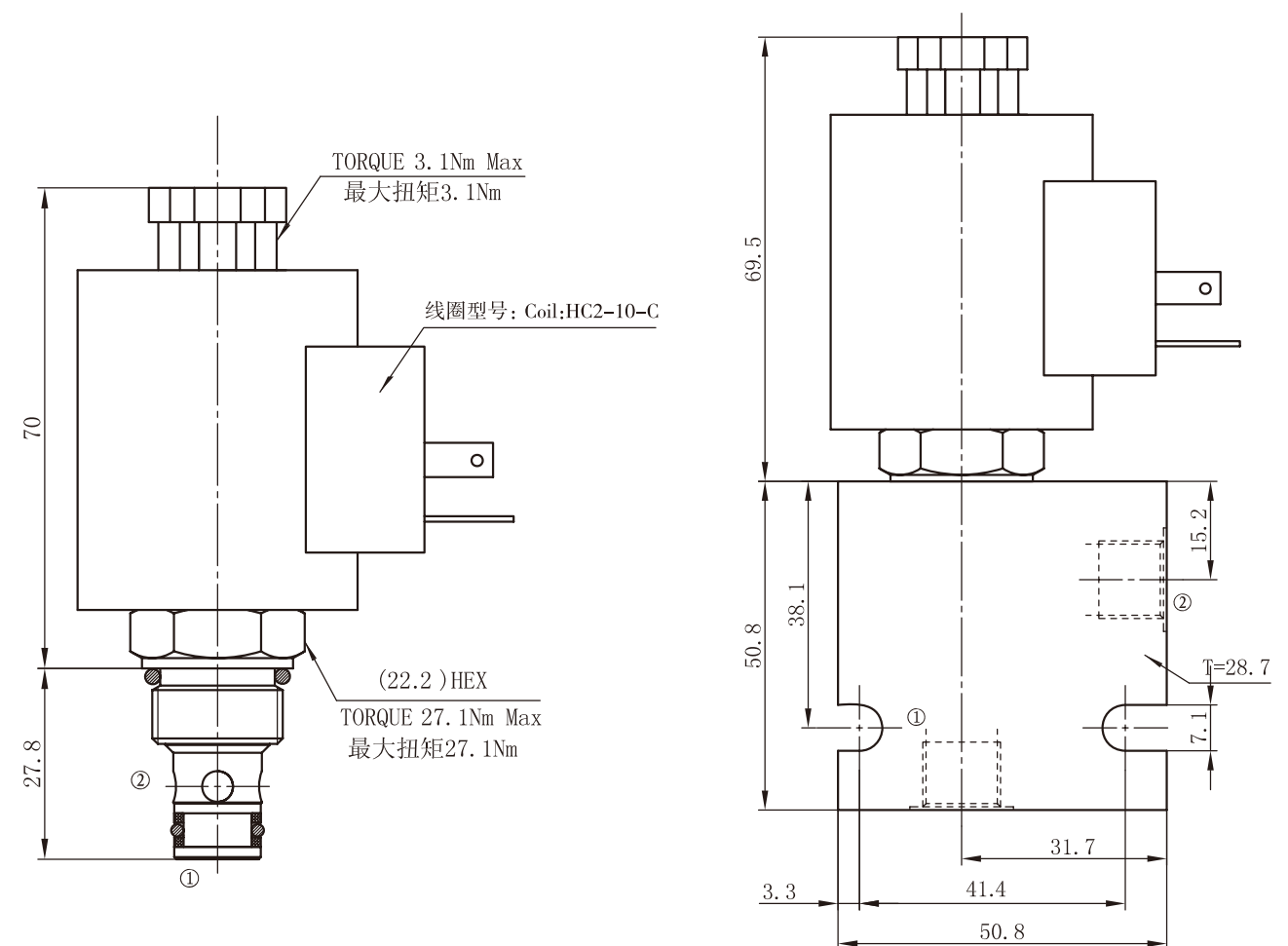
Steel rated at 35 MPa

INSTALLATION DIMENSIONS

安装尺寸

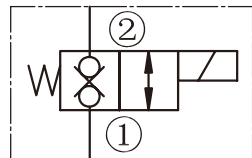
Coil Must Be Installed With Lettering Up
安装线圈时, 字母必须朝上。

Unit=Millimeters



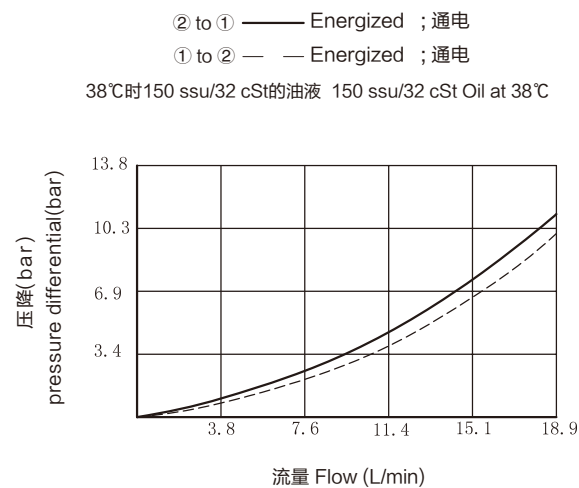
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-2NCSP-L									
电磁阀 Solenoid Valve									
S=Screen 过滤网 Omit for standard 省略为常规									
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 4T=SAE4 6T=SAE6 2G=G1/4 3G=G3/8 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)									

HSV08-20C

二位二通电磁阀 常闭型

Normally-Closed, Two-Way, Two-Position,
Pilot-Operated Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.
When energized, the poppet lifts to open the ② to ① flow path.

当电磁铁不通电时，①到②相当于单向阀，②到①关闭；
当电磁铁通电时，②到①开启。

手控应急 Operation of Manual Override Option:
To override, twist counter clockwise 2 turns.
To return to normal operation, twist clockwise 2 turns.
逆时针旋转旋钮两圈，2到1开启；顺时针旋转两圈，返回到常态。

FEATURES

特性

- Continuous-duty solenoid. 可持续工作的电磁铁。
- Efficient wet-armature construction. 高效能电磁铁结构。
- Hardened seat for long life. 长寿命的阀。
- Industry common cavity. 工业通用插孔。
- Compact size. 结构紧凑。

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

Our ideal leakage < 0.15 ml/min

介质温度范围 Fluid temperature range: -20°C to +120°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

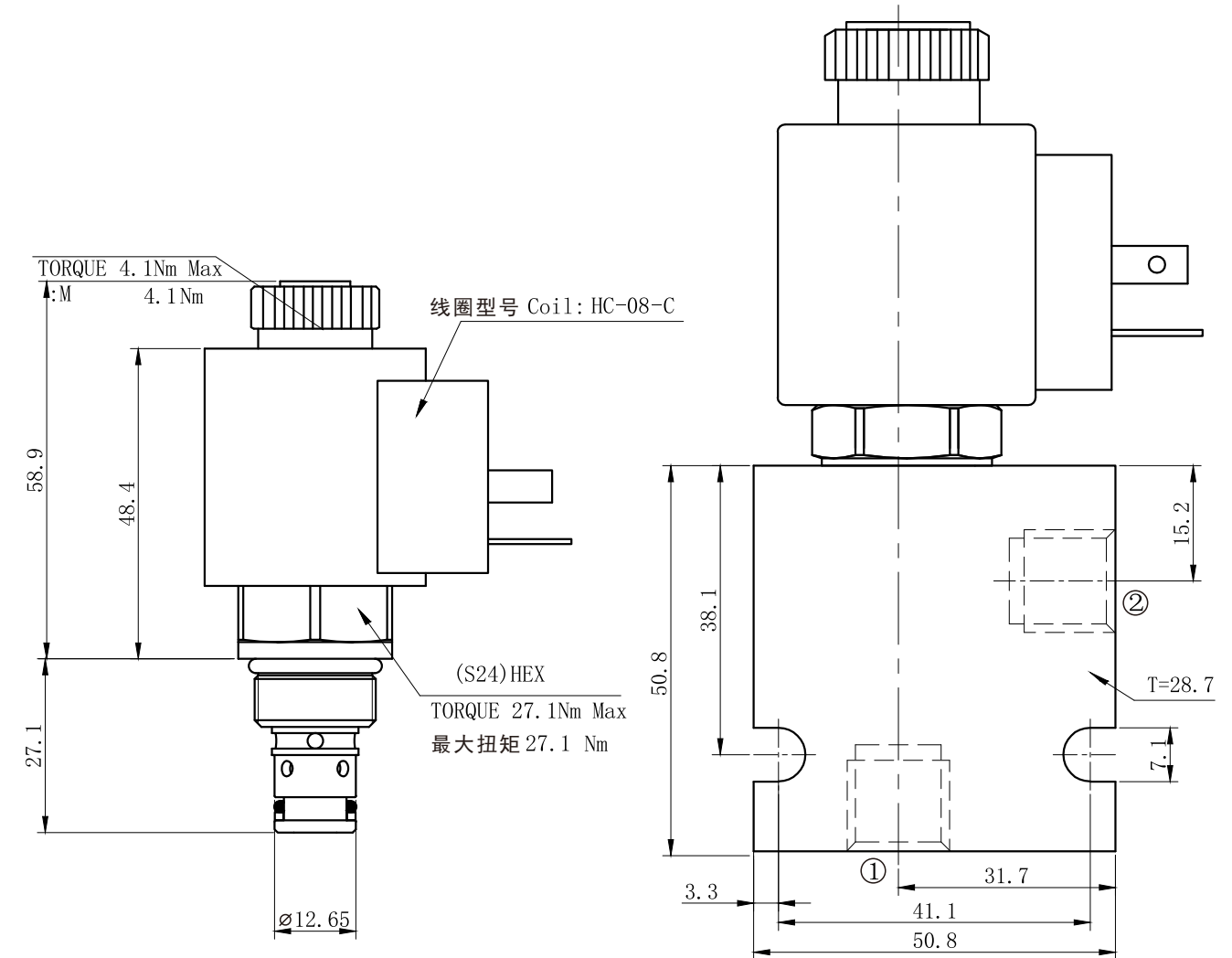
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

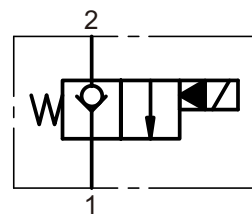
安装线圈时字母必须朝上

Unit=Millimeters



SYMBOL

机能符号

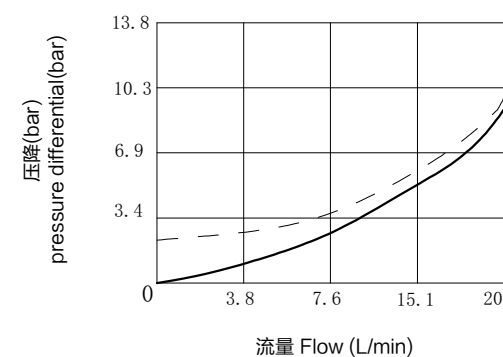


PRESSURE DROP VS.FLOW

性能图

② to ① ——— Energized; 通电
① to ② - - - De-Energized; 不通电

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



HSV08-20C									
电磁阀 Solenoid Valve	*	-	*	-	*	-	*	-	*
S=Screen 过滤网 Omit for standard 省略为常规 M=Manual Override 手动卸荷 Omit for standard 省略为常规 油封 Seal Kits 无 = 丁晴橡胶 (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)									

HSV6-08-2RNORP

二位二通电磁阀 常开型

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

OPERATION

工作原理

When de-energized, the poppet shifts to allow flow in either direction. When energized, the valve acts as a check valve, allowing flow from ② to ①, while blocking flow from ① to ②.
断电时, 阀芯打开允许油液双向流动;
得电时, 2到1相当于单向阀, 1到2截止;
手控应急 Operation of Manual Override Option:
To override, push button in, while blocking flow from ① to ②
To return to normal valve function, release button.
推进按钮, 1到2截止; 释放按钮, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. 可持续工作的电磁铁。
- Efficient wet-armature construction. 高效能电磁铁结构。
- Hardened seat for long life. 长寿命的阀。
- Industry common cavity. 工业通用插孔。
- Compact size. 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure : 350 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

Our ideal leakage < 0.15 ml/min

介质温度范围 Fluid temperature range: -20°C to +100°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-2

阀块材料 Body Material:

钢材允许使用最大压力 350 bar

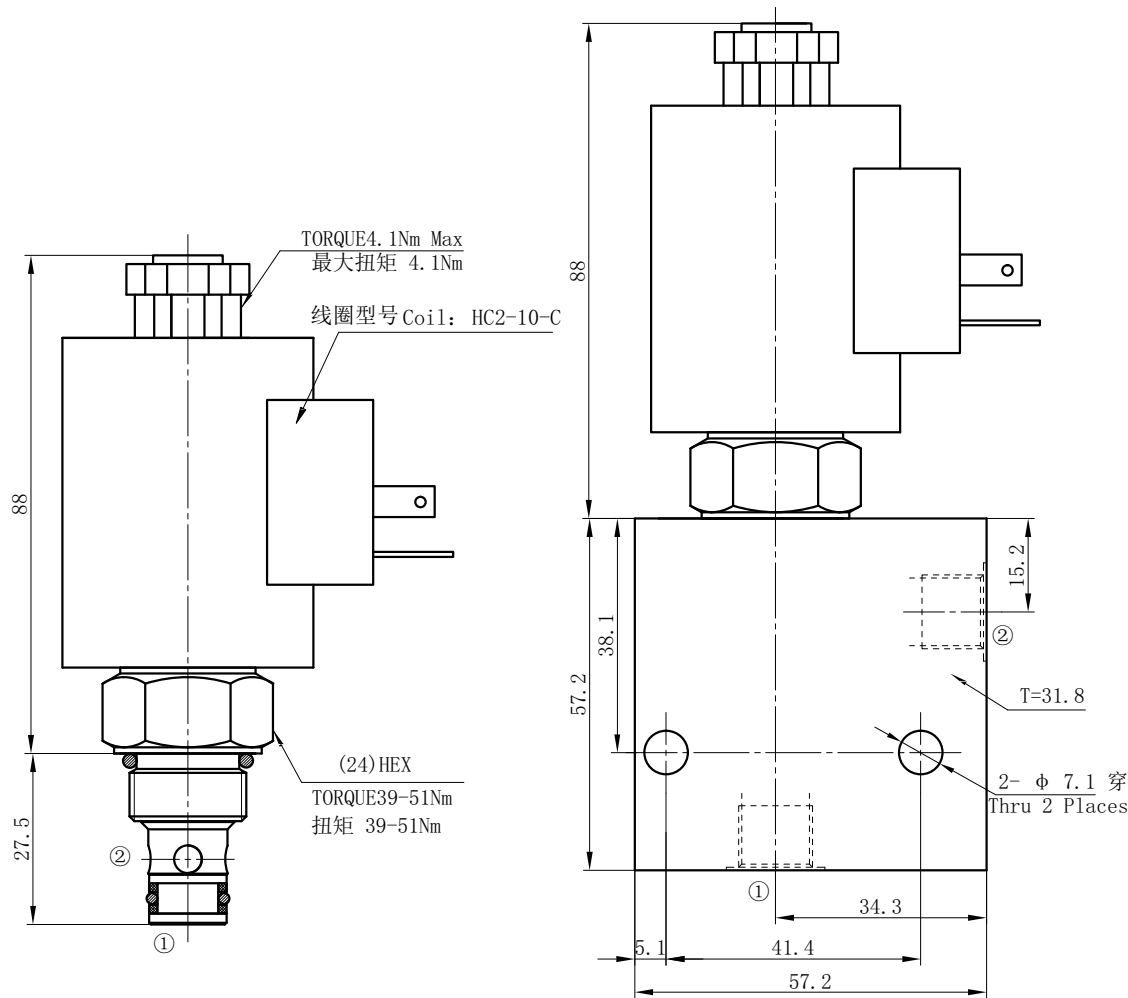
Steel rated at 350 bar

INSTALLATION DIMENSIONS

安装尺寸

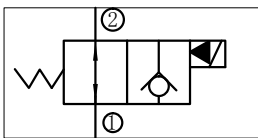
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



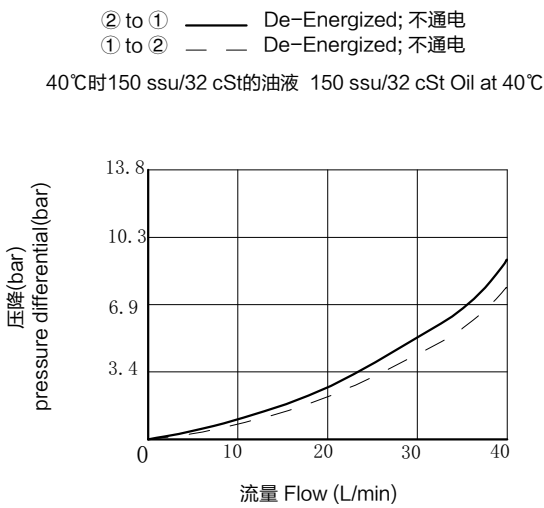
SYMBOL

机能符号



PRESSURE DROP VS. FLOW

性能图



HSV6	08	2	RNOR	P	*	*	*	*	*
电磁阀 Solenoid Valve									
Cavity 插孔									
Flow Path 流道类型									
Normally Open 常开型									
Poppet 锥阀型									
M=Manual Override 手动卸荷 Omit for standard 省略为常规									
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 3G=G3/8									
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)									

HSV6-08-2NCSP

二位二通电磁阀 双向止回型

Normally-Closed, Two-Way, Two-Position,
Bi-Directional Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve blocks flow in both directions,
When energized, the poppet shifts to allow flow in either
direction.

断电时，此阀截止油液双向流动；
得电时，阀芯打开，允许油液双向流动；

手控应急

Operation of Manual Override Option:

逆时针旋转旋钮两圈，2 到 1 开启；顺时针旋转两圈，返回到常态。
To override, twist counterclockwise 2 turns .
To return to normal operation, twist clockwise 2 turns.

FEATURES

特性

Continuous-duty solenoid
Efficient wet-armature construction
Hardened seat for long life
Industry common cavity
Compact size

可持续工作的电磁铁
高效能电磁铁结构
长寿命的阀
工业通用插孔
结构紧凑

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar

流量 (Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏 (Internal Leakage):

< 5drops/min our ideal leakage < 0.25ml/min

介质温度范围 (Fluid Temperature range): -20 °C to +100 °C

线圈电压范围 Coil Rating:85% to 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，其它流体请咨询工厂

Mineral-based fluids

For other fluid compatibility, consult factory.

插孔 (Cavity): 08-2

阀块材料 (Body Material):

钢材允许使用最大压力 350bar

Steel rated to 350bar

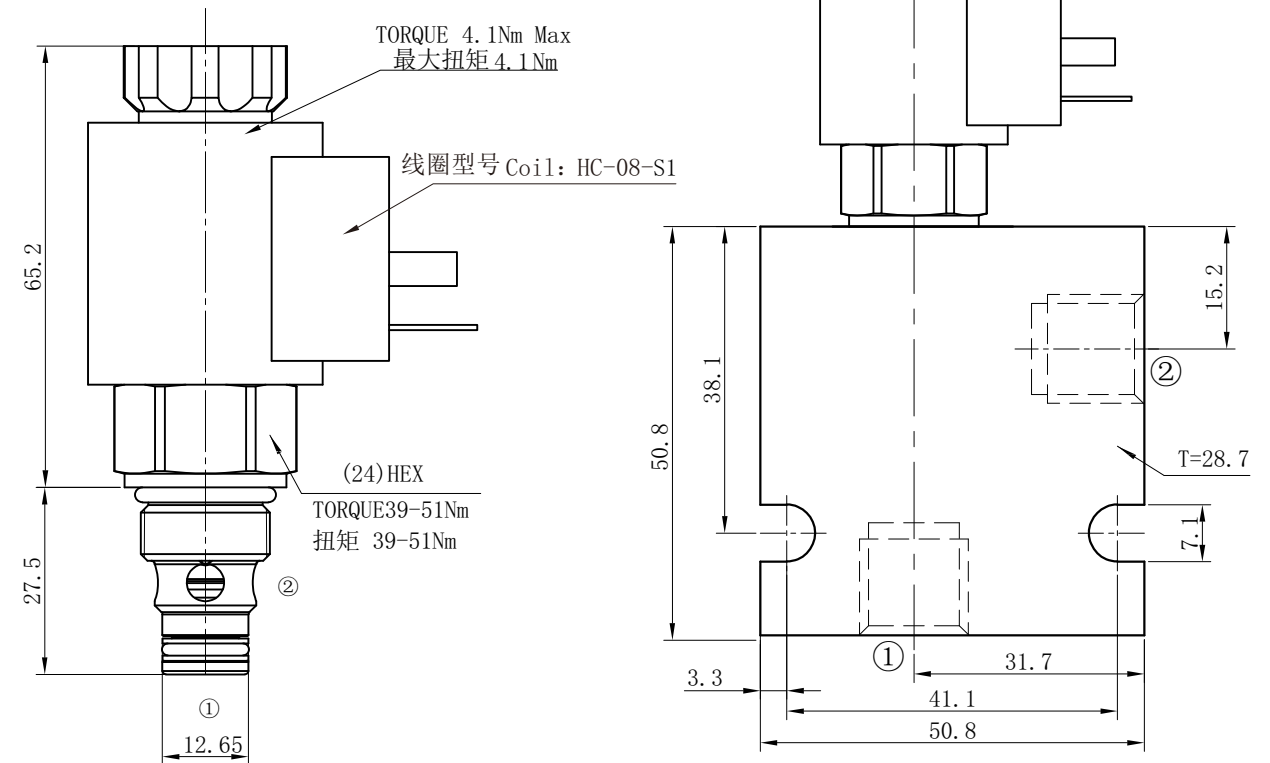
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

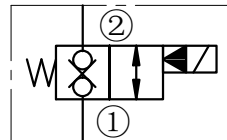
安装线圈时字母必须朝上

Unit=Millimeters



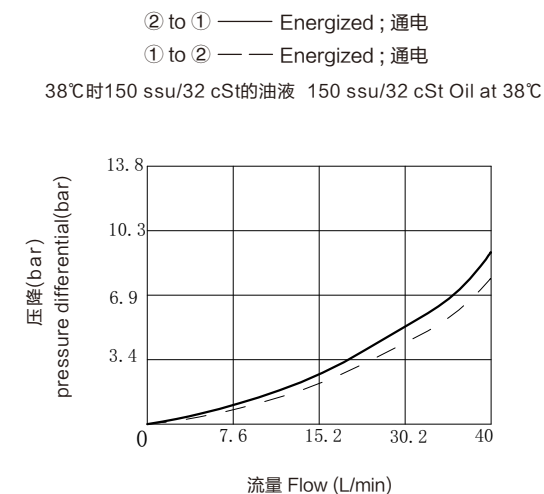
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV6-08-2-NC-SP-*-*									
电磁阀 Solenoid Valve									
Flow Path 流道类型									
2=二通									
模式									
NC=常闭 Normally Closed									
Type 类型									
SP=锥阀型 Poppet									
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									
3G=G 3/8									
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)									

HSV6-08-2NCP

二位二通电磁阀 常闭型

Two-Way,Two-Position,Normally-Closed
Poppt-type Cartridge Valve

OPERATION

工作原理

When de-energized,the valve acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.
When energized, the poppet lifts to open the ② to ① flow path.

当电磁铁不通电时, ①到②相当于单向阀, ②到①关闭;
当电磁铁通电时, ②到①开启。

手控应急

Operation of Manual Override Option:

逆时针旋转按钮两圈, 2 到 1 开启; 顺时针旋转两圈, 返回到常态。
To override, twist counterclockwise 2 turns .
To return to normaloperation, twist clockwise 2 turns.

FEATURES

特性

Continuous-duty solenoid
Efficient wet-armature construction
Hardened seat for long life
Industry common cavity
Compact size

可持续工作的电磁铁
高效能电磁铁结构
长寿命的阀
工业通用插孔
结构紧凑

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar

流量 (Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏 (Internal Leakage):

< 5drops/min our ideal leakage < 0.25ml/min

介质温度范围 (Fluid Temperature range): -20 °C to +100 °C

线圈电压范围 Coil Rating:85% to 110% Of Rated Voltage

过滤 Filtration:

Critical Aplication – ISO 18/16/13

Non–Critical Aplication – ISO 19/17/14

介质 (Fluids): 矿物油, 其它流体请咨询工厂

Mineral–based fluids

For other fluid compatibility, consult factory.

插孔 (Cavity): 08-2

阀块材料 (Body Material):

钢材允许使用最大压力 350bar

Steel rated to 350bar

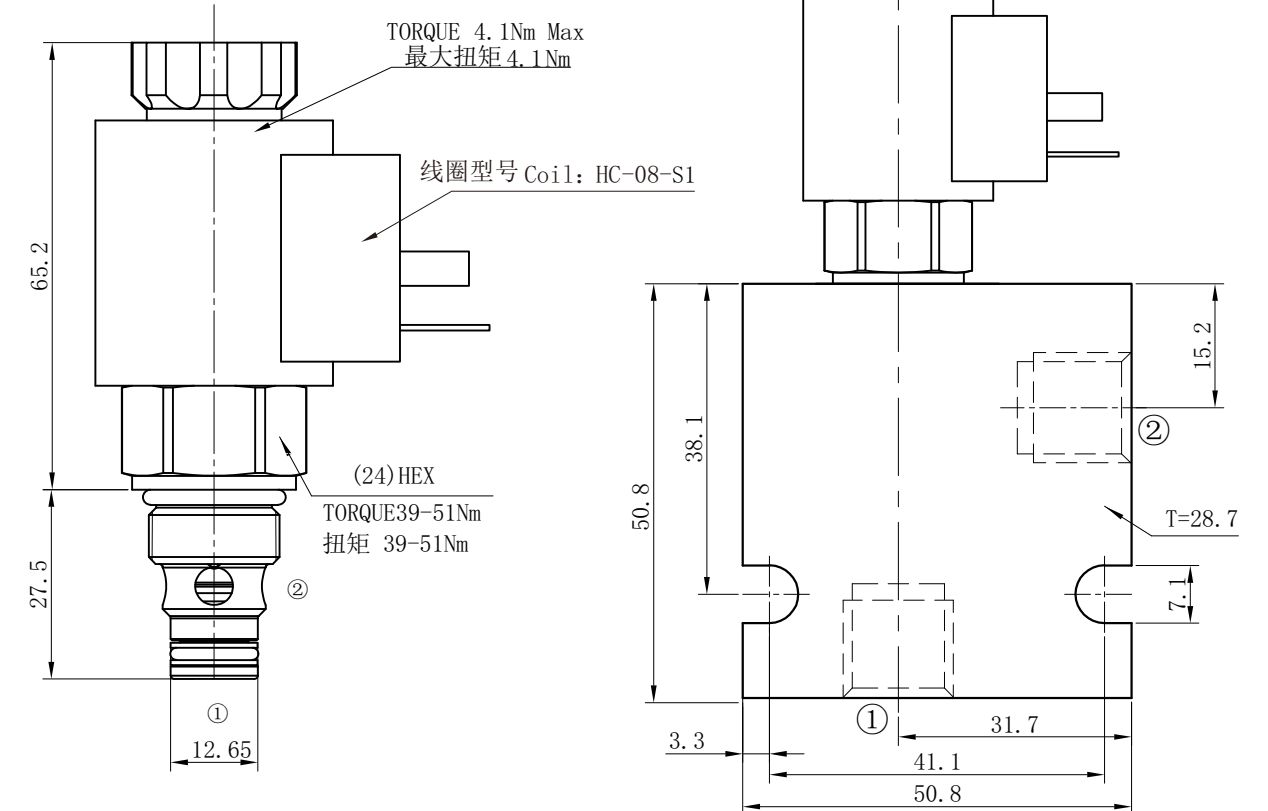
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

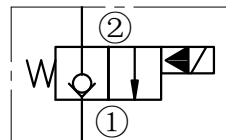
安装线圈时字母必须朝上

Unit=Millimeters



SYMBOL

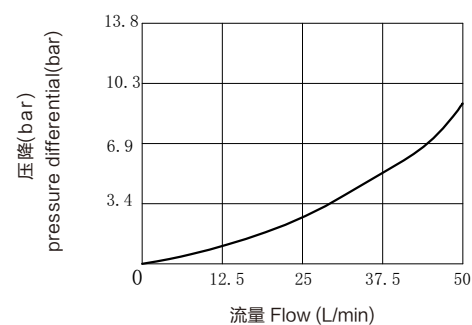
机能符号



PRESSURE DROP VS.FLOW

性能图

② to ① ——— Energized ; 通电
38℃时150 ssu/32 cSt的油液 150 ssu/32 cSt Oil at 38℃



HSV6-08-2-NC-P-*-*-*									
电磁阀 Solenoid Valve	2	NC	P	*	*	*	BODY PORTING 阀块油口 6T=SAE6 3G=G 3/8 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)		
Flow Path流道类型 2=二通									
模式 NC=常闭 Normally Closed									
Type类型 P=锥阀型 Poppet									
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC							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)		

HSV08-30

二位三通电磁阀 滑阀型

Three-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ② to ①, while blocking flow at ③. When energized, the cartridge's spool shifts to allow flow from ② to ③, while blocking flow at ①.

失电时, ②和①通, 与③不通;
得电时, ②和③通, 与①不通;

手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release.
In this position, valve will remain detented in the shifted condition.
To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.

应急手动操控方法: 要进行应急操作时, 先按下旋钮, 然后逆时针旋转 180° 后松开, 2与3通, 与1不通;
要恢复操作, 按下按钮顺时针旋转 180° 后松开, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

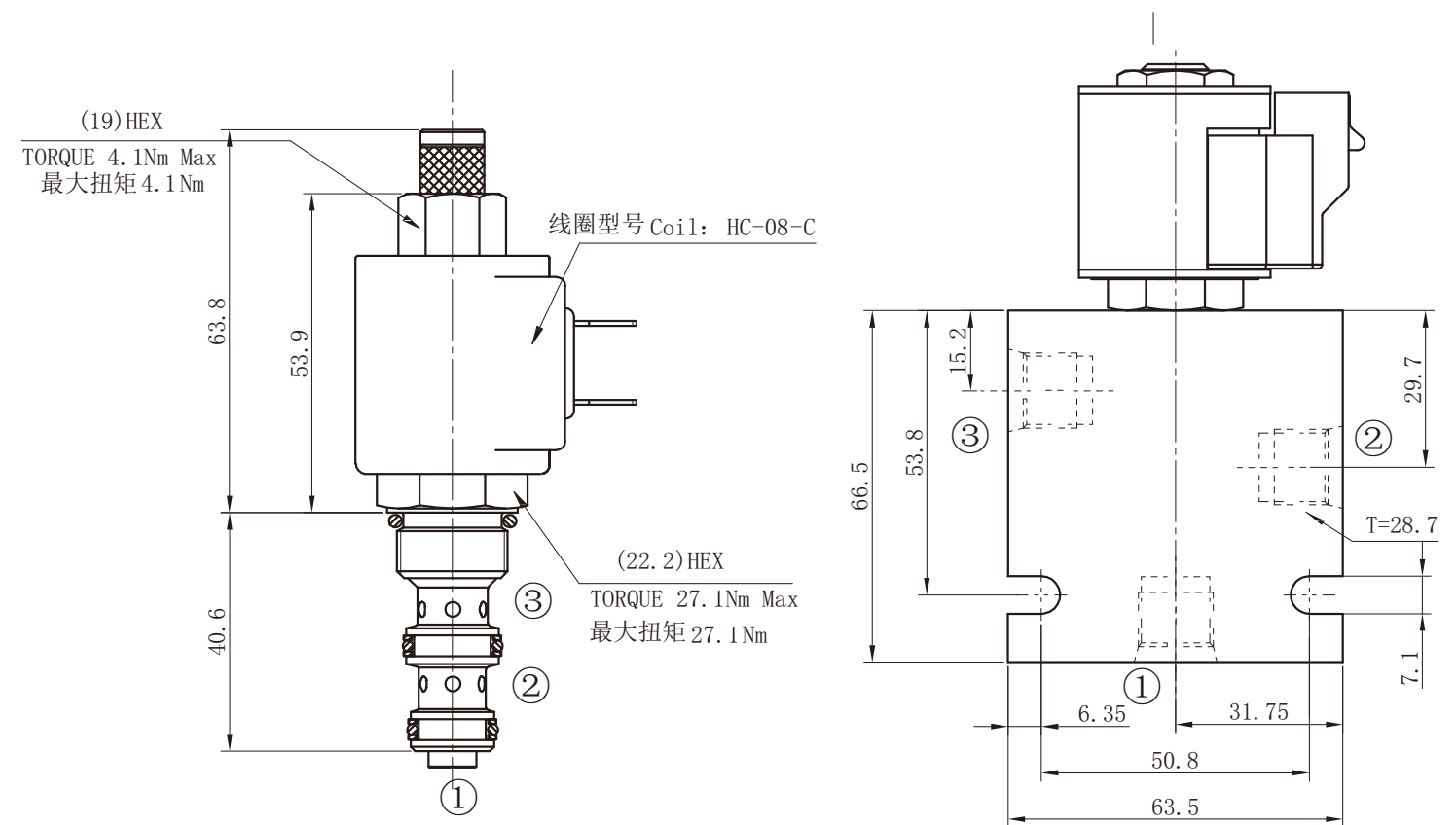
最大工作压力 Max. Operating Pressure : 207 Bar
流量 Flow rate (L/min): 参见性能图 See Pressure Drop VS. Flow graph
内泄漏 Internal Leakage: 82ml/min max. at 207bar
介质温度范围 Fluid temperature range: -30 °C to +120°C
线圈电压范围 Coil Rating: 90% to 110% Of Rated Voltage
过滤 Filtration:
Critical Application - ISO 18/16/13
Non-Critical Application - ISO 19/17/14
介质 Fluids: 矿物油。其它流体请咨询工厂。
Mineral-based fluids.
For other fluid compatibility, consult factory.
插孔 Cavity: 08-3
阀块材料 Body Material:
6061-T6铝, 允许使用最大压力 207bar
钢材允许使用最大压力 350bar
Anodized 6061-T6 aluminum alloy rated to 207bar
Steel rated to 350bar

INSTALLATION DIMENSIONS

安装尺寸

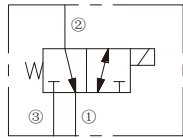
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



SYMBOL

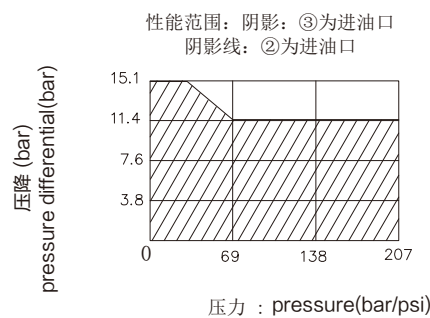
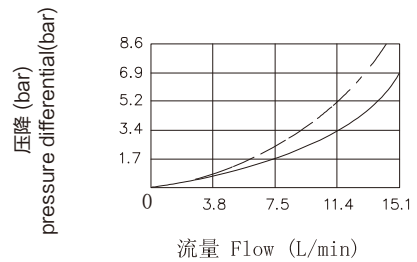
机能符号



PRESSURE DROP VS.FLOW

性能图

② to ① — De-energized; 不通电
③ to ② ---- Energized; 通电
38 °C 时 150 ssu/32 cSt 的油液 150 ssu/32 cSt Oil at 38 °C



HSV08-30- * - * - * - * - * - *									
电磁阀 Solenoid Valve									
S=Screen 过滤网 Omit for standard 省略为常规									
M=Manual Override 手动卸荷 Omit for standard 省略为常规									
油封 Seal Kits 无 = 丁晴橡胶 (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)									

HSV08-31

二位三通电磁阀 滑阀型

Three-Way, Two-Position, Spool-Type Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ② to ①, while blocking flow at ③. When energized, the cartridge's spool shifts to allow flow from ① to ③, while blocking flow at ②.

失电时，②和①通，与③不通；

得电时，①和③通，与②不通；

手控应急Operation of Manual Override Option:

To override, push button in, twist counterclockwise 180 ° and release.

In this position, valve will remain detented in the shifted condition.

To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.

先推进按钮，再逆时针方向旋转180°，后松开，①和③通，与②不通；

推进按钮，然后顺时针方向旋转180°，后松开，返回到常态；

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened poppet and plunger for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 紧凑结构。

SPECIFICATIONS

技术参数

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

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

内泄漏 Internal Leakage: 82ml/min max. at 207bar

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

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: 08-3

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

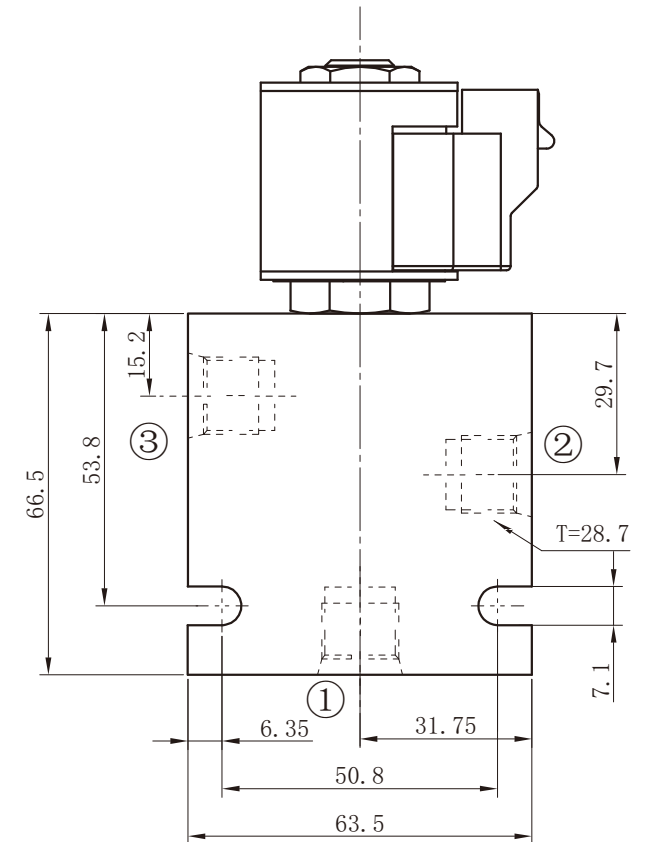
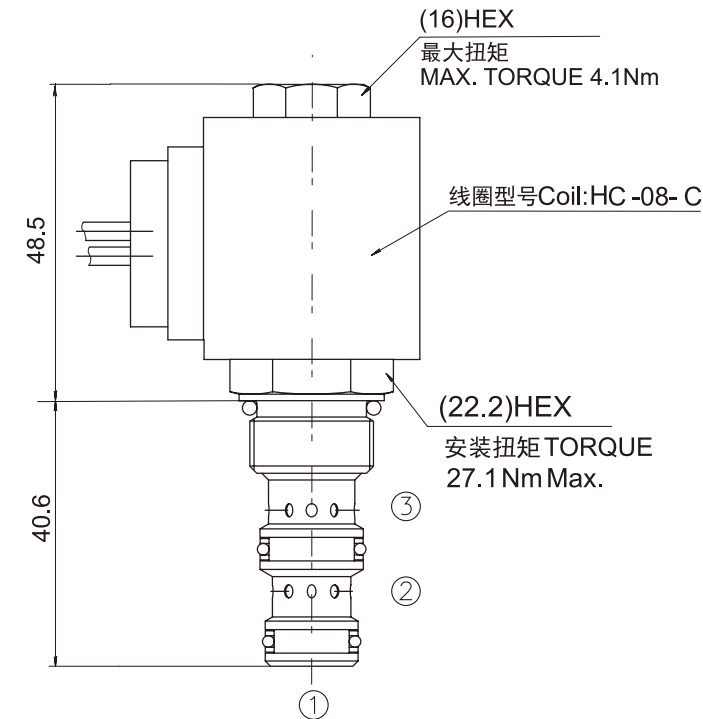
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

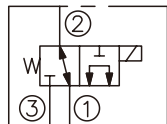
安装线圈时，字母必须朝上。

Unit=Millimeters



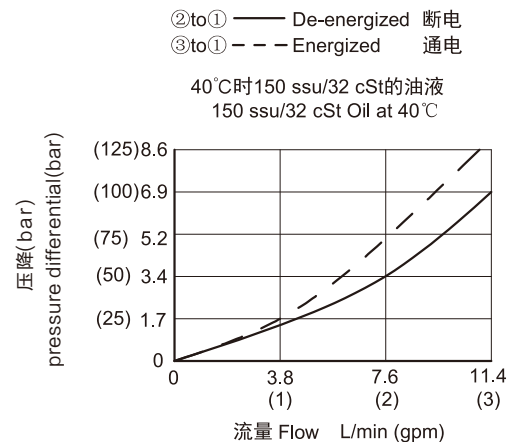
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-31									
电磁阀 Solenoid Valve									
S=Screen 过滤网 Omit for standard 省略为常规									
M=Manual Override 手动卸荷 Omit for standard 省略为常规									
油封 Seal Kits 无 = 丁晴橡胶 (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)									

HSV08-33

二位三通电磁阀 滑阀型

Three-Way, Two-Position, Spool-Type Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ③ to ①, while blocking flow at ②. When energized, the cartridge's spool shifts to allow flow from ② to ①, while blocking flow at ③.

失电时, ③和①通, 与②不通;
得电时, ②和①通, 与③不通;

手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release. In this position, valve will remain detented in the shifted condition. To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.

应急手动操控方法: 要进行应急操作时, 先按下旋钮, 然后逆时针旋转 180° 后松开, 2与1通, 与3不通;
要恢复操作, 按下按钮顺时针旋转 180° 后松开, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure: 207Bar

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

内泄漏 Internal Leakage: 82ml/min max. at 207bar

介质温度范围 Fluid temperature range: -30 °C to +120°C

线圈电压范围 Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-3

阀块材料 Body Material:

6061-T6铝, 允许使用最大压力207bar

钢材允许使用最大压力350bar

Anodized 6061-T6 aluminum alloy rated at 207bar

Steel rated at 350bar

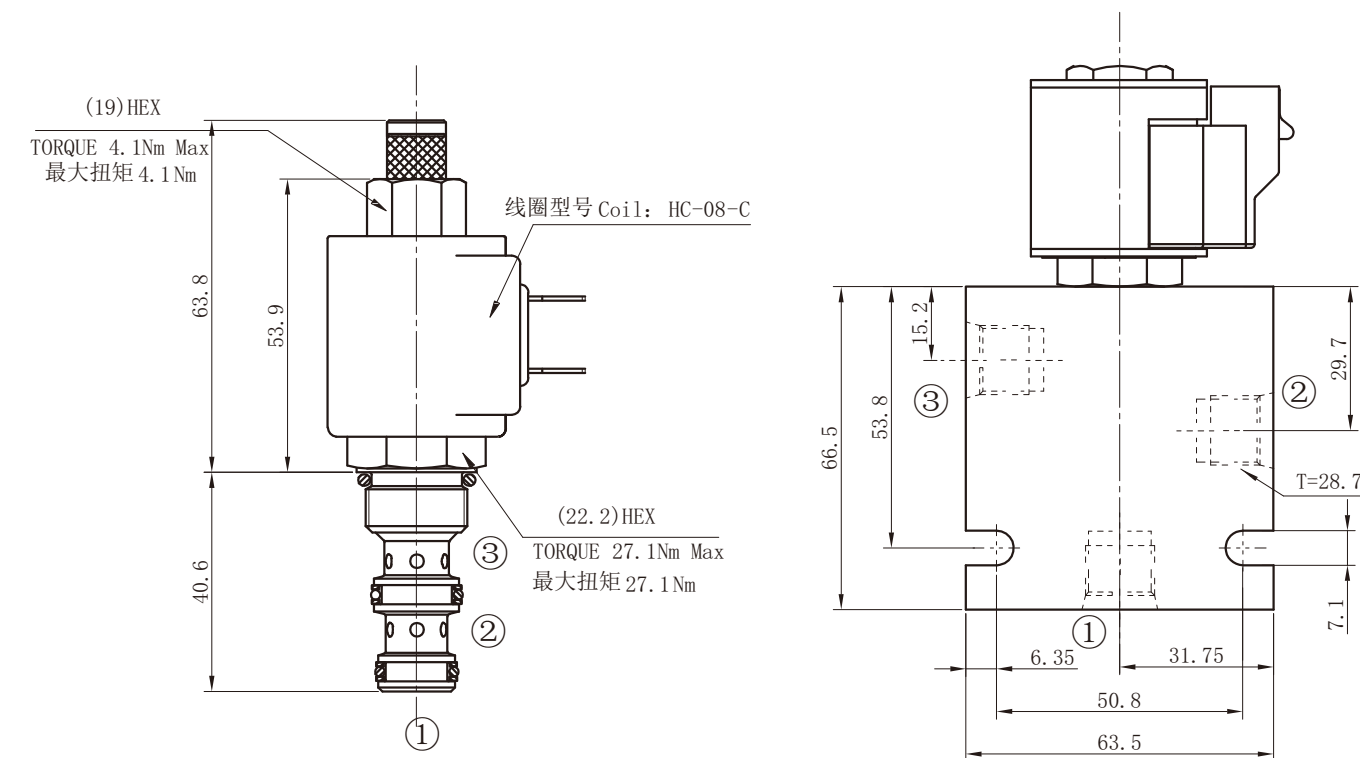
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

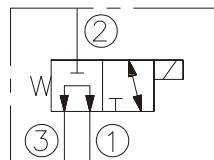
安装线圈时字母必须朝上

Unit=Millimeters



SYMBOL

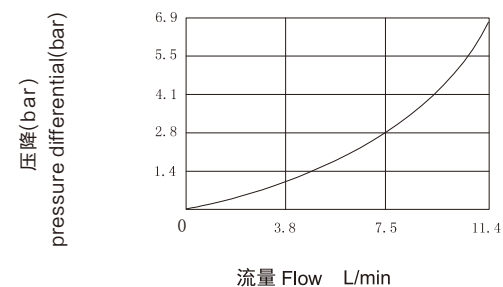
机能符号



PRESSURE DROP VS.FLOW

性能图

③ to ① — De-energized; 不通电
38°C时150 ssu/32 cSt的油液 150 ssu/32 cSt Oil at 38°C



HSV08-33- * - * - * - * - * - *									
电磁阀 Solenoid Valve									
S=Screen 过滤网 Omit for standard 省略为常规									
M=Manual Override 手动卸荷 Omit for standard 省略为常规									
油封 Seal Kits 无 = 丁晴橡胶 (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)									

HSV10-34

二位三通电磁阀 滑阀型

Three-Way, Two-Position, Spool-Type Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ② to ①, while blocking flow at ③. When energized, the cartridge's spool shifts to allow flow from ② to ③, while blocking flow at ①.

失电时, ②和 ①通, 与 ③不通;
得电时, ②和 ③通, 与 ①不通;

手控应急 Operation of Manual Override Option:
To override, push button in, twist counterclockwise 180° and release.
In this position, valve will remain detented in the shifted condition.
To return to normal operation, push button in, twist clockwise 180° and release. Override will be detented in this position.

应急手动操控方法: 要进行应急操作时, 先按下旋钮, 然后逆时针旋转 180° 后松开, 2 与 3 通, 与 1 不通;
要恢复操作, 按下按钮顺时针旋转 180° 后松开, 返回到常态。

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

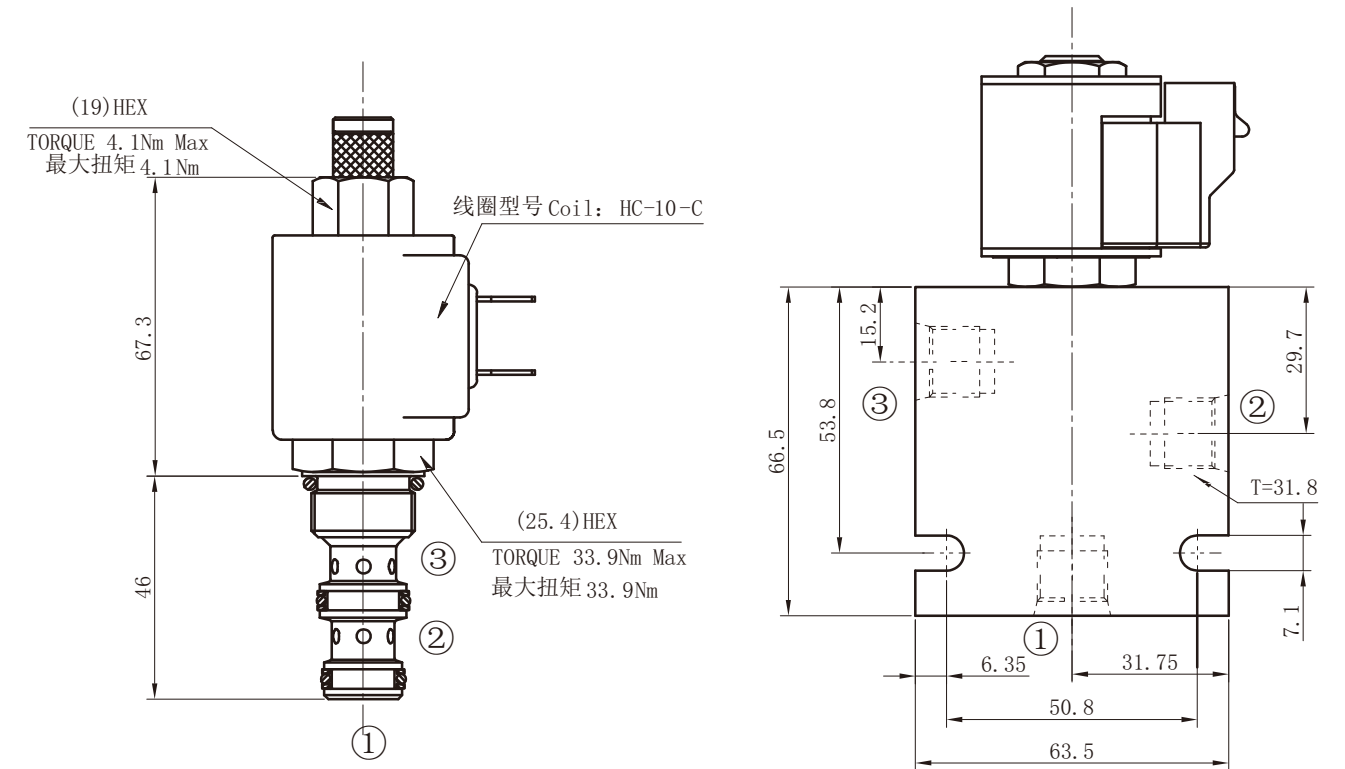
技术参数

最大工作压力 Max. Operating Pressure): 207Bar
流量Flow rate(L/min): 参见性能图See Pressure Drop VS.Flow graph
内泄漏 Internal Leakage: 82ml/min max. at 207bar
介质温度范围 Fluid temperature range: -30 °C to +120°C
线圈电压范围Coil Rating: 90% to 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。其它流体请咨询工厂。
 Mineral-based fluids.
 For other fluid compatibility, consult factory.
插孔 Cavity: 10-3
阀块材料Body Material:
 6061-T6铝, 允许使用最大压力207bar
 钢材允许使用最大压力350bar
 Anodized 6061-T6 aluminum alloy rated at 207bar
 Steel rated at 350bar

INSTALLATION DIMENSIONS

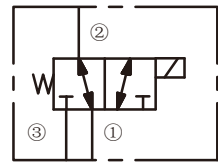
安装尺寸

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



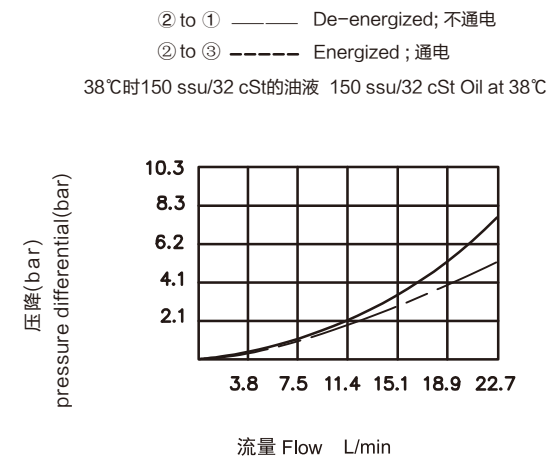
SYMBOL

机能符号

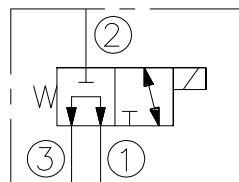


PRESSURE DROP VS.FLOW

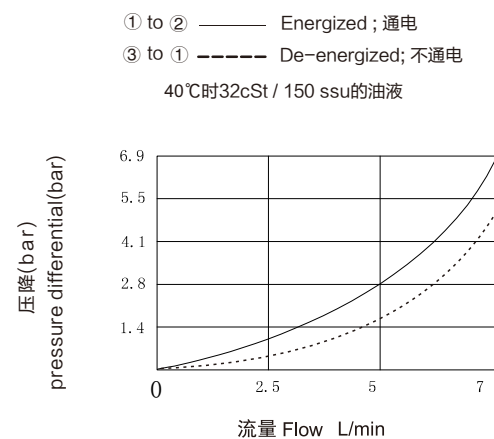
性能图



HSV10-34- * - * - * - * - *									
电磁阀 Solenoid Valve		S=Screen 过滤网 Omit for standard 省略为常规		油封 Seal Kits 无 = 丁晴橡胶 (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)	
M=Manual Override 手动卸荷 Omit for standard 省略为常规								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)	



PRESSURE DROP VS.FLOW
性能图



二位三通电磁阀 滑阀型

Three-Way, Two-Position, Spool-Type Cartridge Solenoid Valve

OPERATION 工作原理

When de-energized, the valve allows flow from ③ to ①, while blocking flow at ②. When energized, the cartridge's spool shifts to allow flow from ② to ①, while blocking flow at ③

失电时,③和①通,与②不通;
得电时,②和①通,与③不通;

FEATURES

特性

- Continuous-duty solenoid. · 可持续工作的电磁铁。
- Efficient wet-armature construction. · 高效能电磁铁结构。
- Hardened seat for long life. · 长寿命的阀。
- Industry common cavity. · 工业通用插孔。
- Compact size · 结构紧凑。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure : 210Bar

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

内泄漏 Internal Leakage:30ml/min max. at 210bar

介质温度范围 Fluid temperature range: -20 °C to +70°C

线圈电压范围Coil Rating: 90% to 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。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory.

插孔 Cavity: 08-3B, See page 129 08-3B, 参见129页

阀块材料Body Material:

6061-T6铝，允许使用最大压力207bar

钢材允许使用最大压力350bar

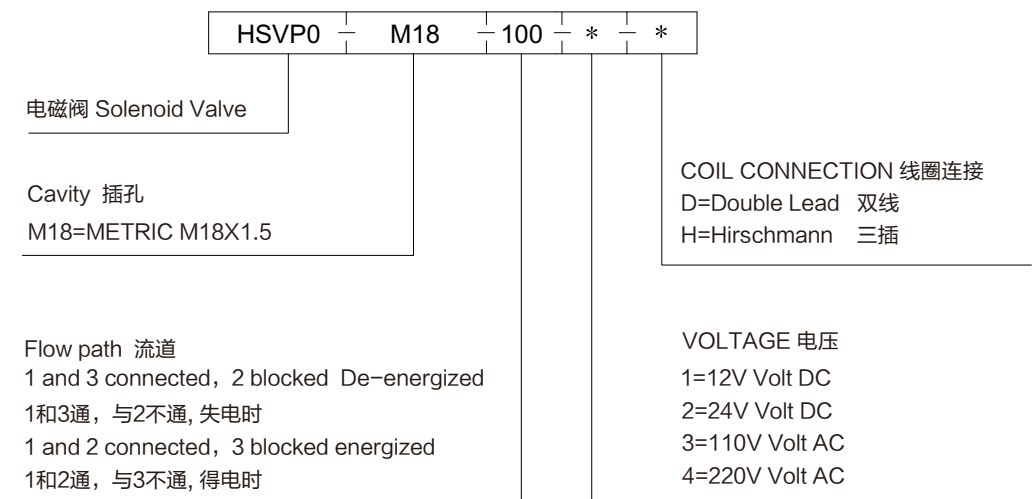
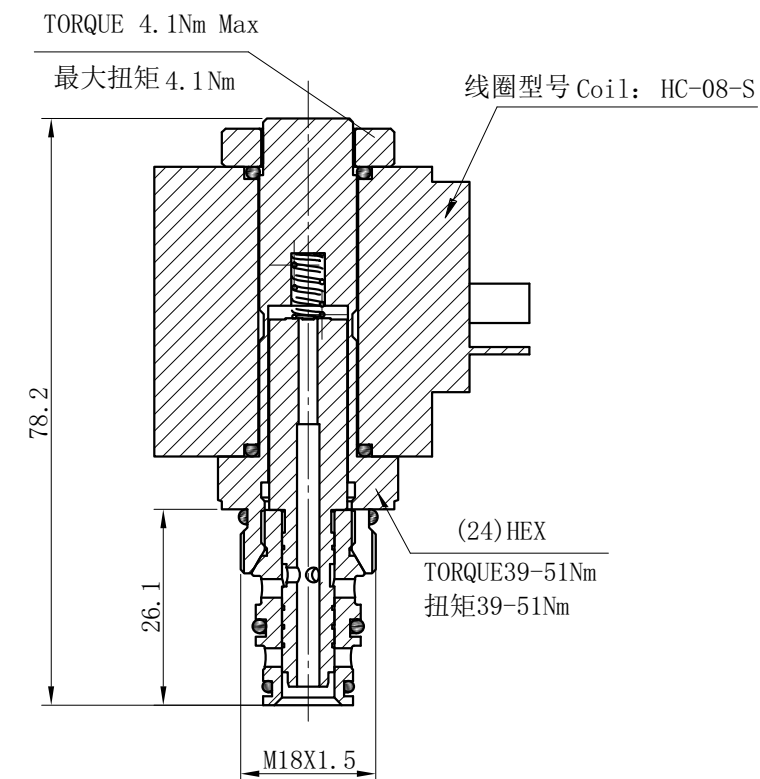
Anodized 6061-T6 aluminum alloy rated at 207bar

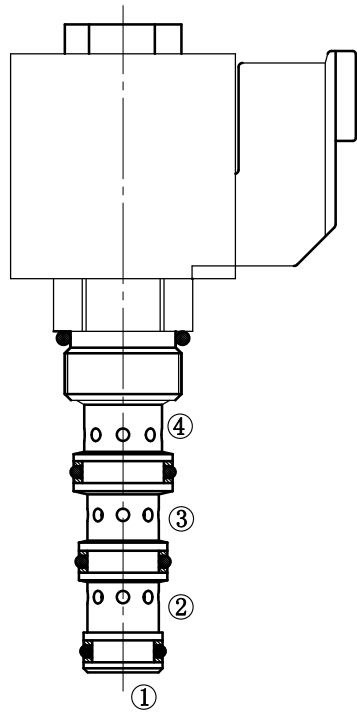
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

Unit=Millimeters





HSV08-40

二位四通电磁阀 滑阀型

Four-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ① to ④ and from ② to ③.
When energized, the cartridge's spool shifts to allow flow from ① to ② and from ③ to ④.
失电时，①和④通，②和③通；
得电时，①和②通，③和④通。

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

SPECIFICATIONS

技术参数

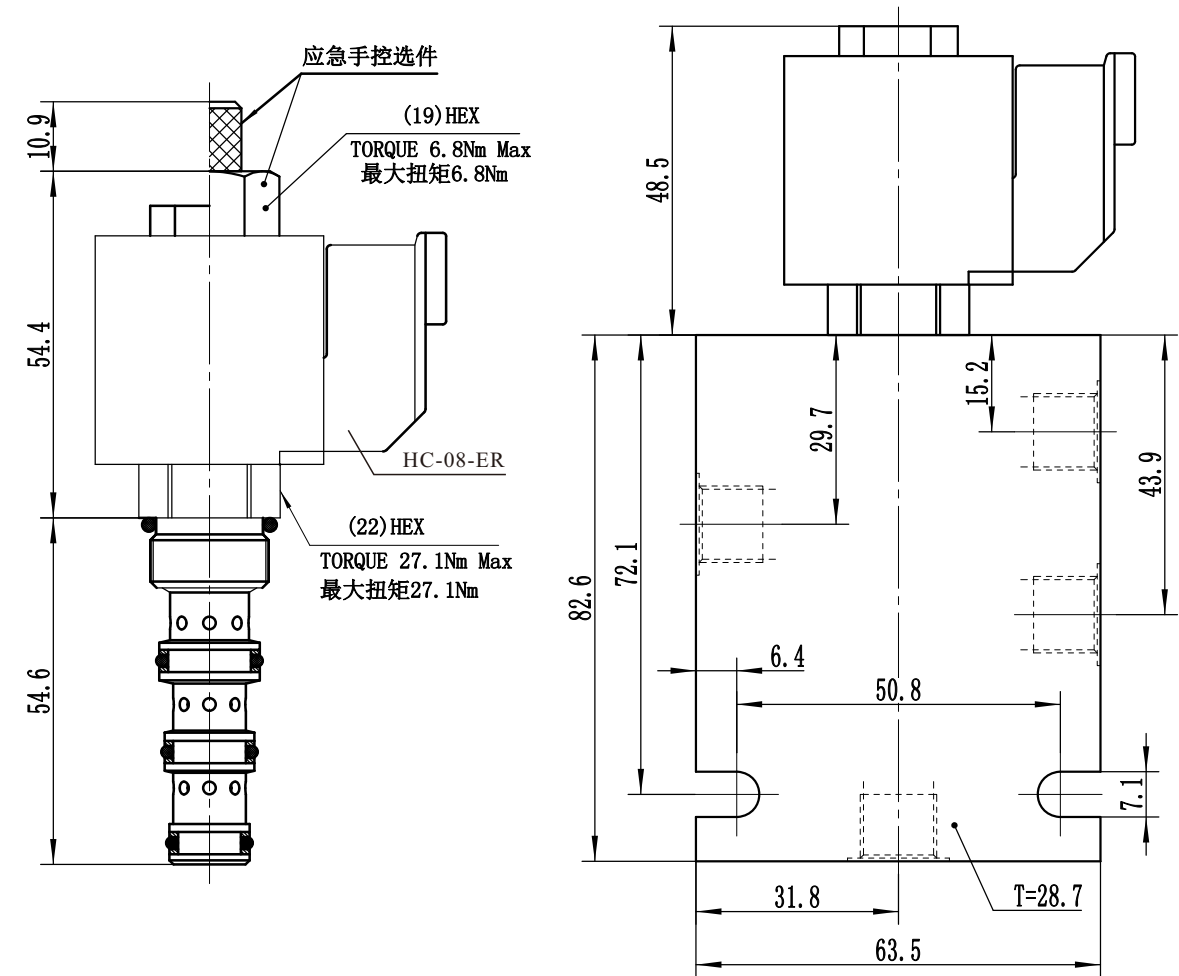
工作压力 Working Pressure : 207bar
流量 Flow Rate: 参见性能图
See Pressure Drop VS. Flow graph
内泄漏 Internal Leakage: <82ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 110% of Rated Voltage
过滤 Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质 Fluids: 矿物油 Mineral-based fluids
插孔 Cavity: 08-4

INSTALLATION DIMENSIONS

安装尺寸

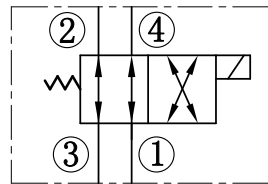
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



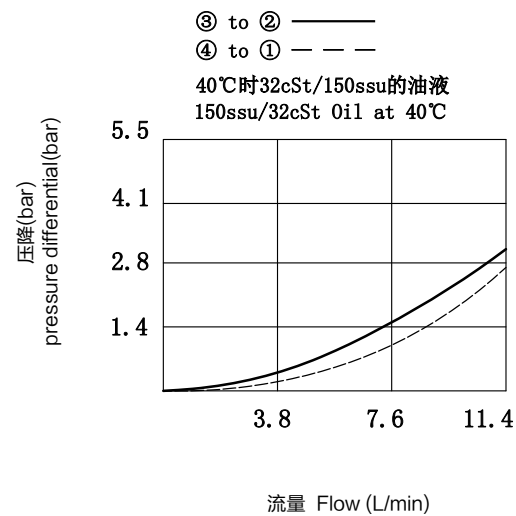
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-40	*	*	*	*	*
M=Manual Override 手动卸荷 Omit for standard 省略为常规					
BODY PORTING 阀块油口 6T=SAE6 2B=G1/4 3B=G3/8 Other Porting is Available 其它螺纹油口也是可以选择的 (Omit of Cartridge only 省略为不带阀块)					
密封材料 N=Nitrile Rubber Buna 丁晴橡胶(标准型)					
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)					
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC					

HSV10-40

二位四通电磁阀 滑阀型

Four-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ① to ④ and from ② to ③.
When energized, the cartridge's spool shifts to allow flow from ① to ② and from ③ to ④.
失电时，①和④通，②和③通；
得电时，①和②通，③和④通。

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

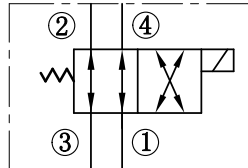
SPECIFICATIONS

技术参数

工作压力 Working Pressure: 207bar
流量 Flow Rate: 参见性能图
See Pressure Drop VS. Flow graph
内泄漏 Internal Leakage: <82ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 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 Mineral-based fluids
插孔 Cavity: 10-4

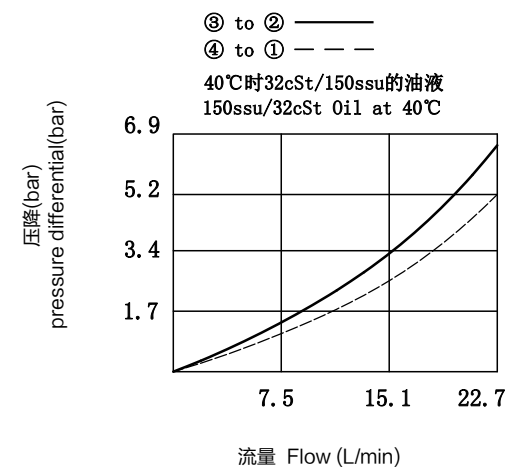
SYMBOL

机能符号



PRESSURE DROP VS. FLOW

性能图

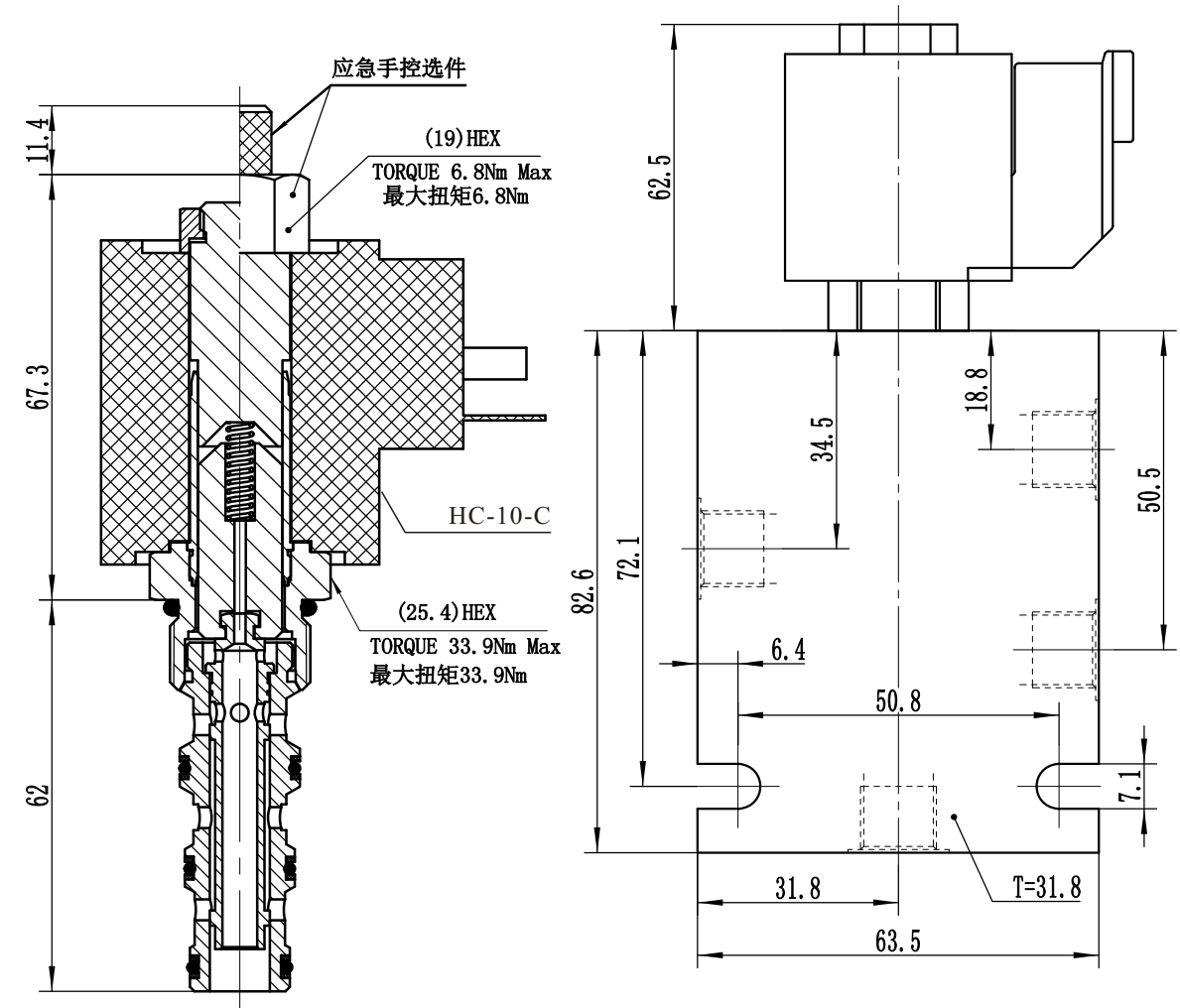


INSTALLATION DIMENSIONS

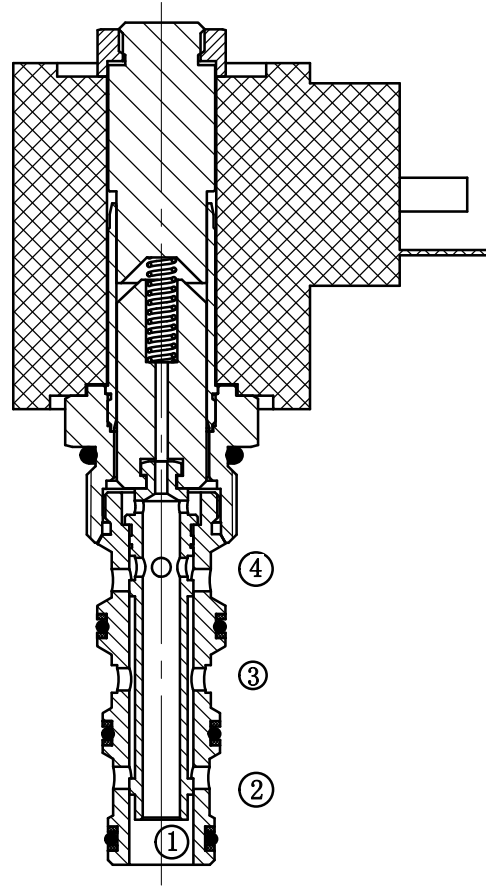
安装尺寸

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

Unit=Millimeters



HSV10-40	*	*	*	*	*
M=Manual Override 手动卸荷 Omit for standard 省略为常规					
BODY PORTING 阀块油口 T=SAE6 8T=SAE8 2B=G1/4 3B=G3/8 Other Porting is Available 其它螺纹油口也是可以选择的 (Omit of Cartridge only 省略为不带阀块)					
密封材料 N=Nitrile Rubber Buna 丁晴橡胶(标准型)					
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)					
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC					



HSV10-43

二位四通电磁阀 滑阀型

Four-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ④ to ①, ② and ③ closed.
When energized, the cartridge's spool shifts to allow flow from ③ to ④ and from ② to ①.
失电时, ④流向①, ②③闭合;
得电时, ③流向④, ②流向①。
注意! 可以对①口完全加压, 但不可用作阀的进油口。
Attention! ① port can be fully pressurized, but can not be used as the valve inlet.

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

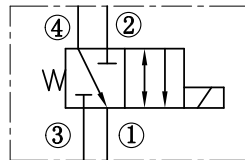
SPECIFICATIONS

技术参数

工作压力 Working Pressure : 207bar
流量 Flow Rate: 参见性能图
See Pressure Drop VS. Flow graph
内泄漏 Internal Leakage: <82ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 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 Mineral-based fluids
插孔 Cavity: 10-4

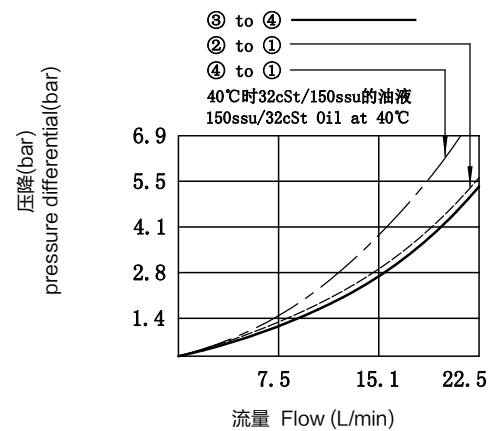
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图

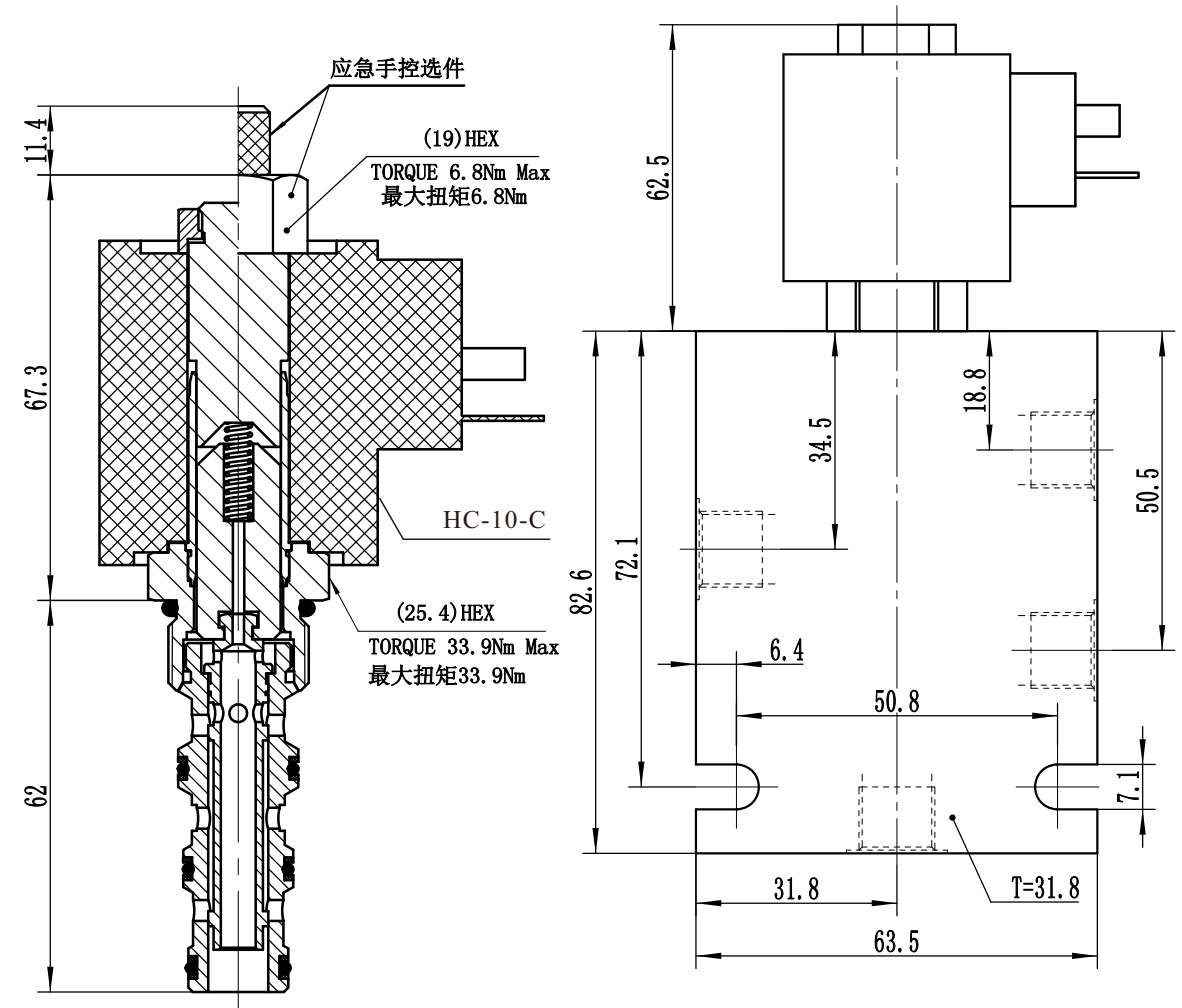


INSTALLATION DIMENSIONS

安装尺寸

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

Unit=Millimeters



HSV10-43	*	*	*	*	*
M=Manual Override 手动卸荷 Omit for standard 省略为常规					
BODY PORTING 阀块油口 6T=SAE6 8T=SAE8 2B=G1/4 3B=G3/8 Other Porting is Available 其它螺纹油口也是可以选择的 (Omit of Cartridge only 省略为不带阀块)					
密封材料 N=Nitrile Rubber Buna 丁晴橡胶(标准型)					
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)					
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC					

HSV10-44

二位四通电磁阀 滑阀型

Four-Way, Two-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ③ to ④ and from ② to ①.
When energized, the cartridge's spool shifts to allow flow from ③ to ①, ② and ④ closed.
失电时，③流向④，②流向①；
得电时，③流向①，②④闭合。

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

SPECIFICATIONS

技术参数

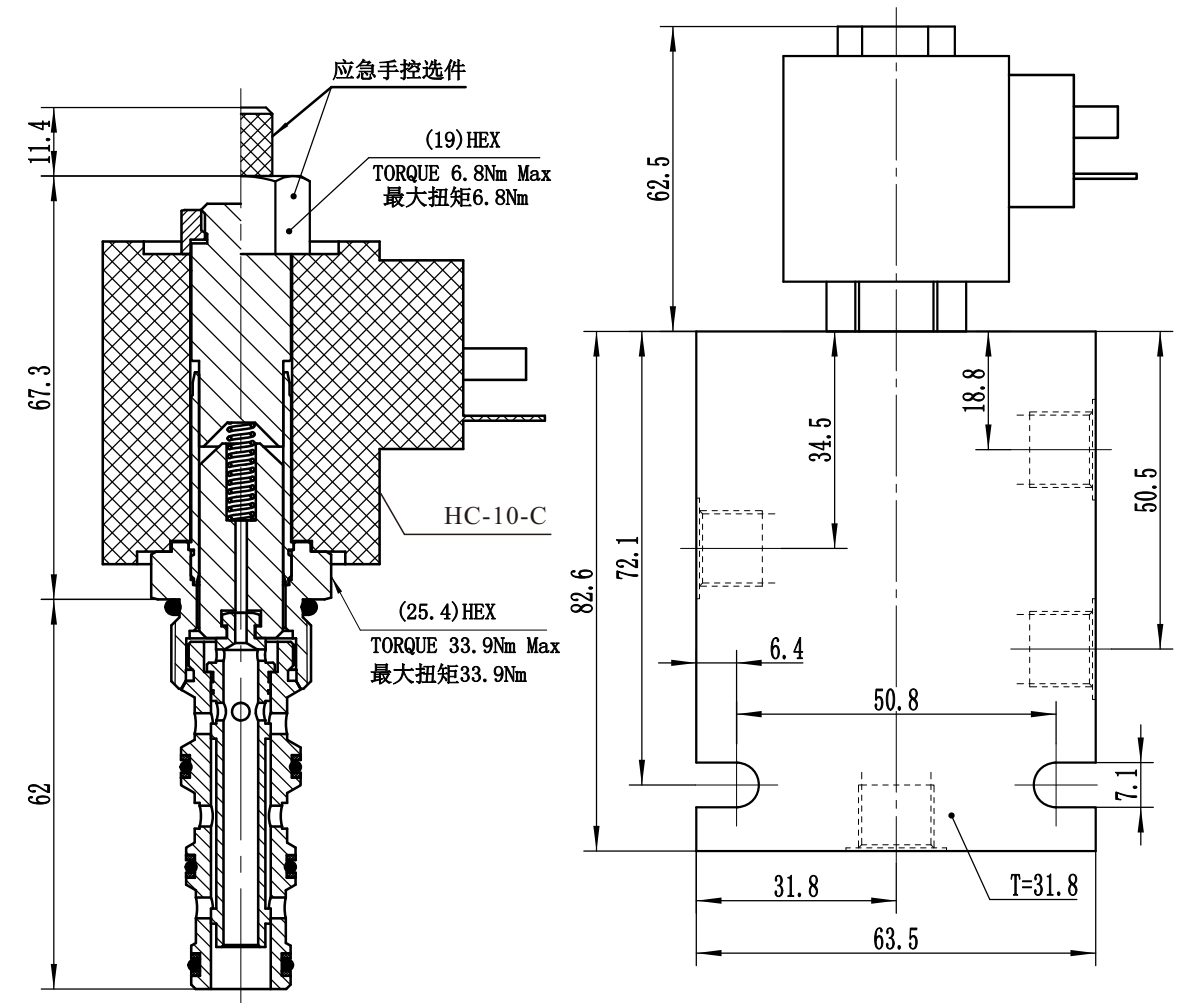
工作压力 Working Pressure : 207bar
流量 Flow Rate: 参见性能图
See Pressure Drop VS. Flow graph
内泄漏 Internal Leakage: <82ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 110% of Rated Voltage
过滤 Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质 Fluids: 矿物油 Mineral-based fluids
插孔 Cavity: 10-4

INSTALLATION DIMENSIONS

安装尺寸

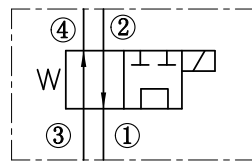
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



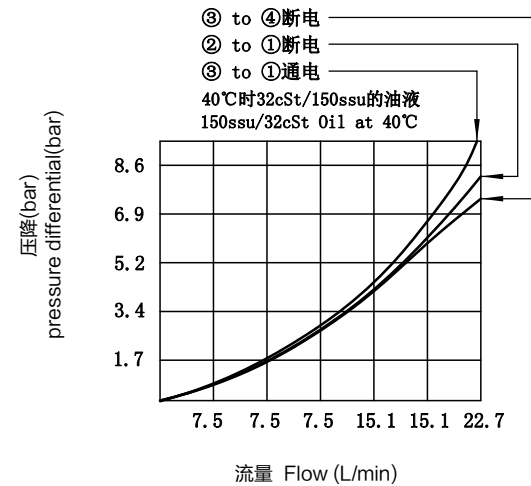
SYMBOL

机能符号



PRESSURE DROP VS. FLOW

性能图



HSV10-44	*	*	*	*	*
M=Manual Override 手动卸荷 Omit for standard 省略为常规					
BODY PORTING 阀块油口 6T=SAE6 8T=SAE8 2B=G1/4 3B=G3/8 Other Porting is Available 其它螺纹油口也是可以选择的 (Omit of 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)					
VOLTAGE 电压 1=12V Volt DC 2=24V Volt DC 3=110V Volt AC 4=220V Volt AC					
密封材料 N=Nitrile Rubber Buna 丁晴橡胶(标准型)					

HSV08-47A

三位四通电磁阀 滑阀型

Four-Way, Three-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the valve allows flow from ③ to ①, ② and ④ closed.
When S1 energized, the cartridge's spool shifts to allow flow from ③ to ② and from ④ to ①.
When S2 energized, the cartridge's spool shifts to allow flow from ③ to ④ and from ② to ①.

失电时, ③流向①, ②④闭合;
S1得电, ③流向②, ④流向①;
S2得电, ③流向④, ②流向①.

FEATURES

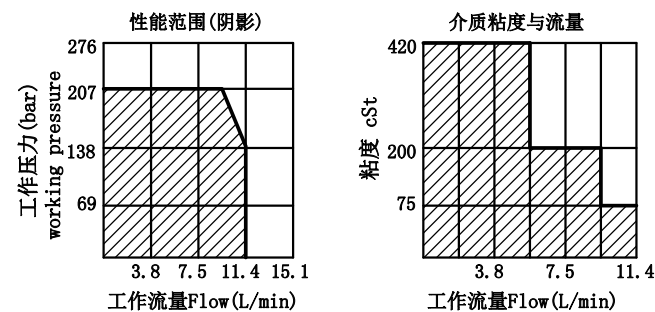
特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

SPECIFICATIONS

技术参数

工作压力 Working Pressure : 210bar
最大流量 Max Flow: 11.4L/min
内泄漏 Internal Leakage: <278ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 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 Mineral-based fluids
插孔 Cavity: 08-4

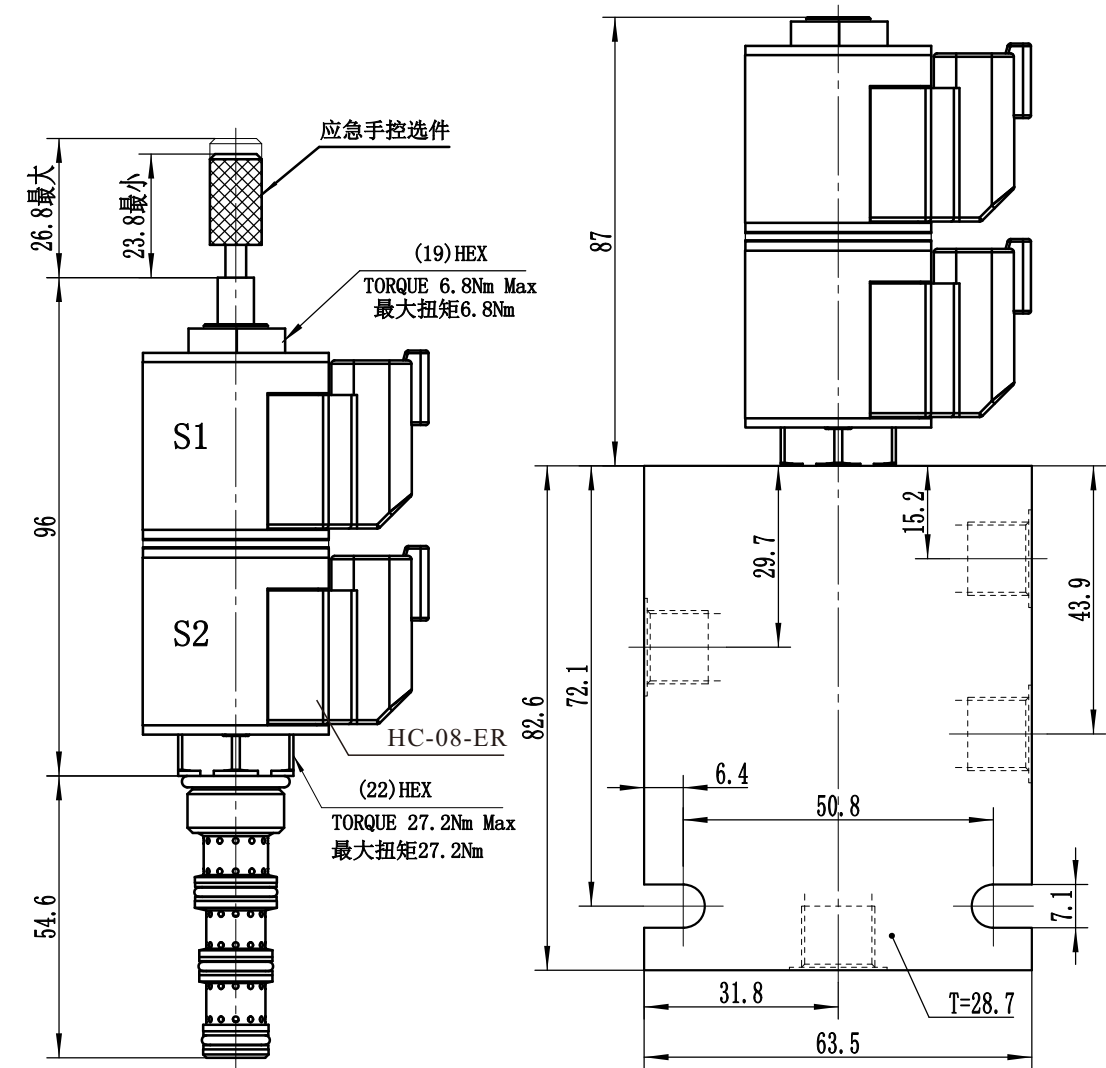


INSTALLATION DIMENSIONS

安装尺寸

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

Unit=Millimeters



HSV08-47A- * * * * *

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

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

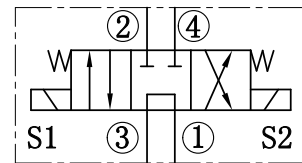
密封材料
N=Nitrile Rubber Buna 丁晴橡胶(标准型)

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)

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

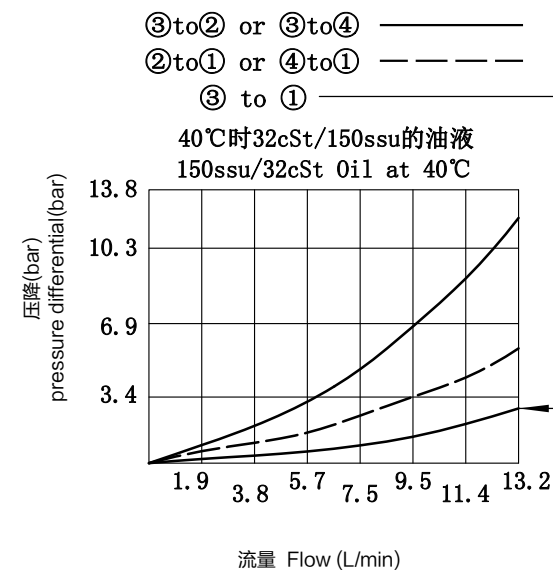
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV10-47B

三位四通电磁阀 滑阀型

Four-Way, Three-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the four oil ports are connected.
When S1 energized, the cartridge's spool shifts to allow flow from ③ to ④ and from ② to ①.
When S2 energized, the cartridge's spool shifts to allow flow from ③ to ② and from ④ to ①.

失电时，①②③④互通
S1得电，③流向④，②流向①；
S2得电，③流向②，④流向①。

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

SPECIFICATIONS

技术参数

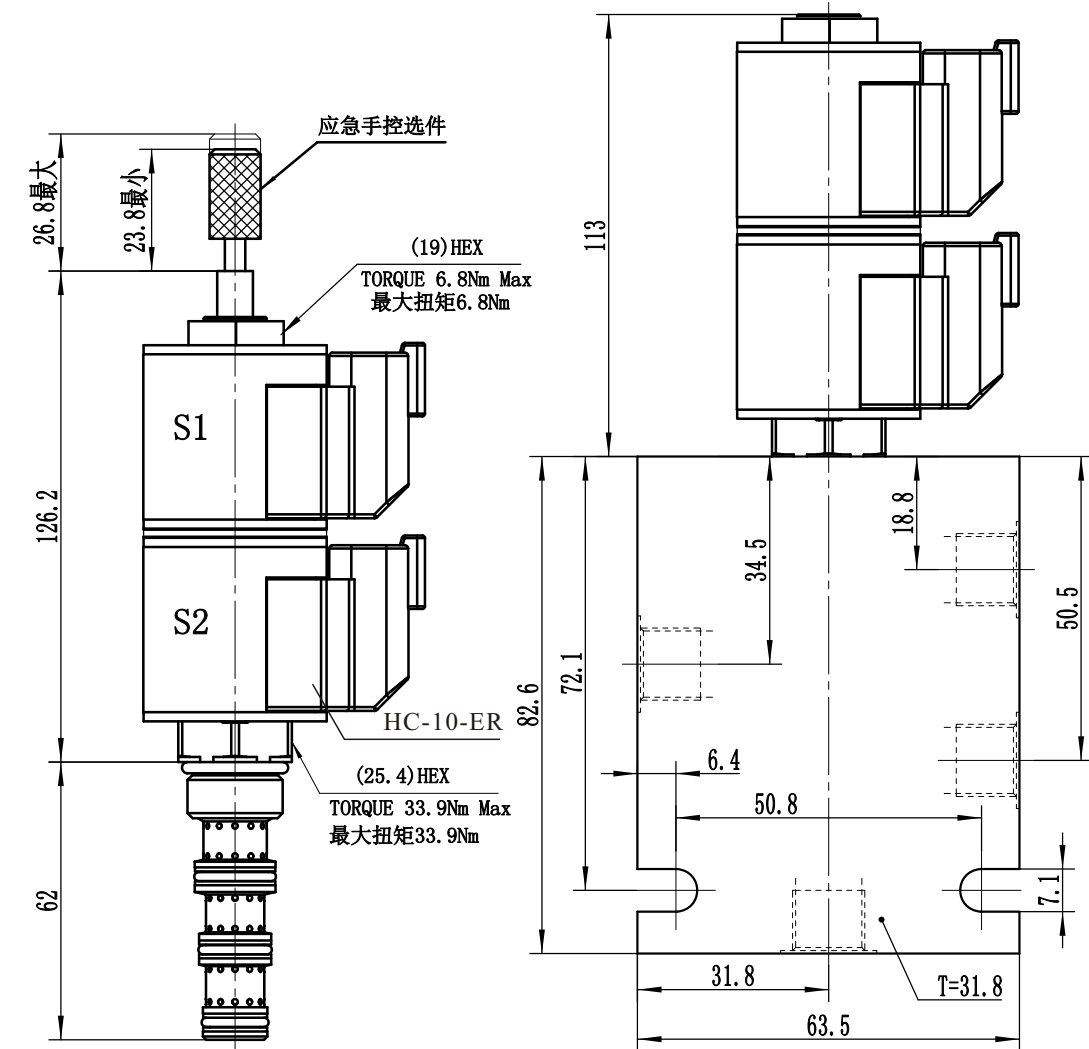
工作压力 Working Pressure : 240bar
最大流量 Max Flow: 22.7L/min
内泄漏 Internal Leakage: <328ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 110% of Rated Voltage
过滤 Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质 Fluids: 矿物油 Mineral-based fluids
插孔 Cavity: 10-4

INSTALLATION DIMENSIONS

安装尺寸

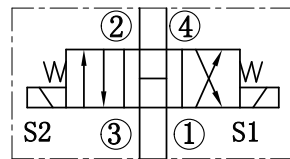
Coil Must Be Installed With Lettering Up
安装线圈时字母必须朝上

Unit=Millimeters



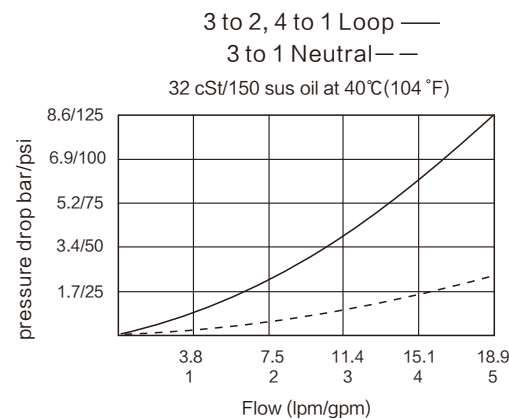
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV10-47B	*	*	*	*	*
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M=Manual Override 手动卸荷
Omit for standard 省略为常规

BODY PORTING 阀块油口

6T=SAE6
8T=SAE8
2B=G1/4
3B=G3/8

Other Porting is Available
其它螺纹油口也是可以选择的
(Omit of Cartridge only
省略为不带阀块)

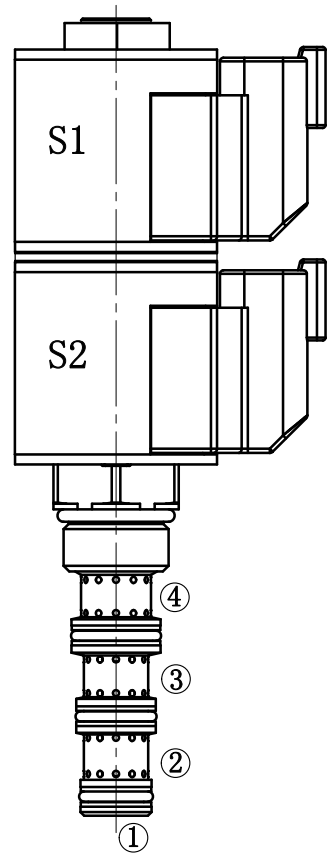
密封材料

N=Nitrile Rubber Buna 丁晴橡胶(标准型)

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)

VOLTAGE 电压

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



HSV10-4754B

三位四通电磁阀 滑阀型

Four-Way, Three-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the four oil ports are connected, but Two ports and four ports have throttling effect.
When S1 energized, the cartridge's spool shifts to allow flow from ③ to ④ and from ② to ①.
When S2 energized, the cartridge's spool shifts to allow flow from ③ to ② and from ④ to ①.
失电时, ①②③④互通, ②④口有节流作用
S1得电, ③流向④, ②流向①;
S2得电, ③流向②, ④流向①.
注意! 可以对①口完全加压, 但不可用作阀的进油口。
Attention! ① port can be fully pressurized, but can not be used as the valve inlet.

FEATURES

特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

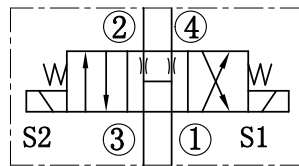
SPECIFICATIONS

技术参数

最大工作压力 Max Working Pressure : 207bar
最大流量 Max Flow: 22.7L/min
内泄漏 Internal Leakage: <82ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 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 Mineral-based fluids
插孔 Cavity: 10-4

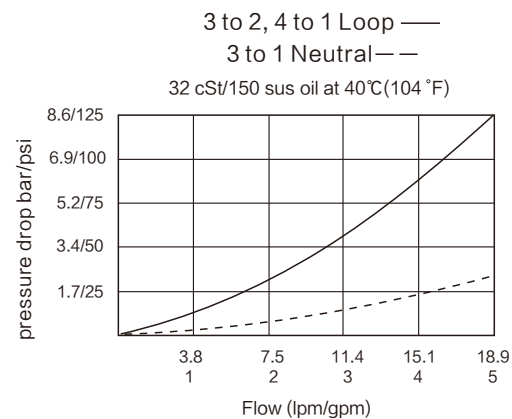
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图

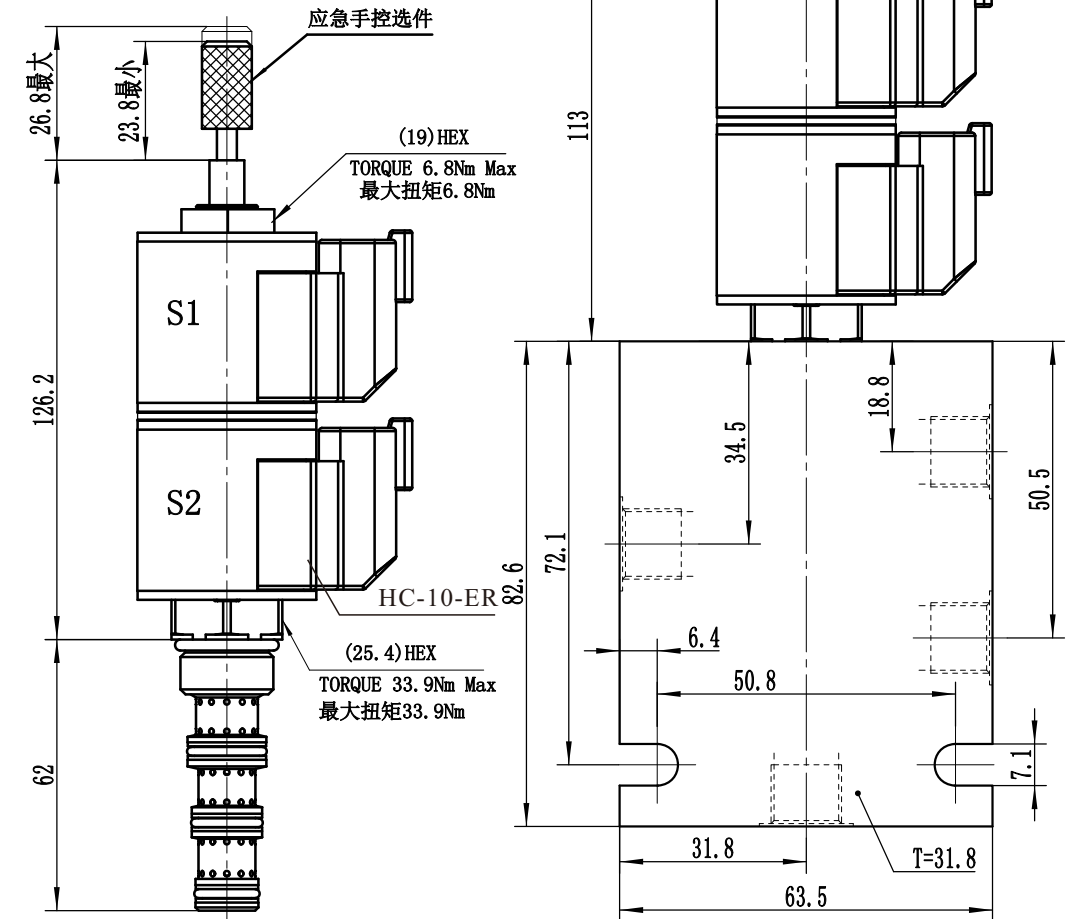


INSTALLATION DIMENSIONS

安装尺寸

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

Unit=Millimeters



HSV10-4754B * * * * *

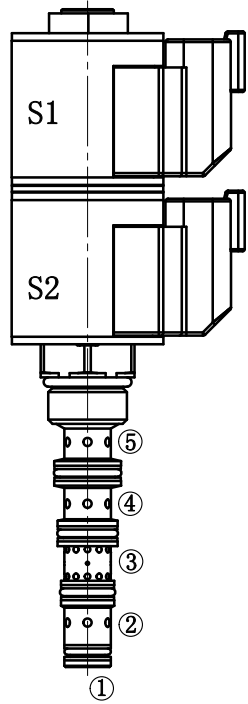
Manual Override 手动卸荷
Omit for standard 省略为常规

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

密封材料
N=Nitrile Rubber Buna 丁晴橡胶(标准型)

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)

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



HSV08-58C

三位五通电磁阀 滑阀型

Five-Way, Three-Position, Spool-Type
Cartridge Solenoid Valve

OPERATION

工作原理

When de-energized, the SV08-58C blocks flow between all work ports and load sense at port ① is vented to ③.
When coil S1 is energized, flow is allowed from ⑤ to ② and from ④ to ③.
When coil S2 is energized, flow is allowed from ⑤ to ④ and from ② to ③.
Load sense at port ① is connected to port ⑤ when spool is in the shifted positions.

失电时，②③④⑤不通，①口负载流向③
S1得电，⑤流向②，④流向③；
S2得电，⑤流向④，②流向③；
当滑阀芯处于位移状态，①口负载流向⑤。

FEATURES

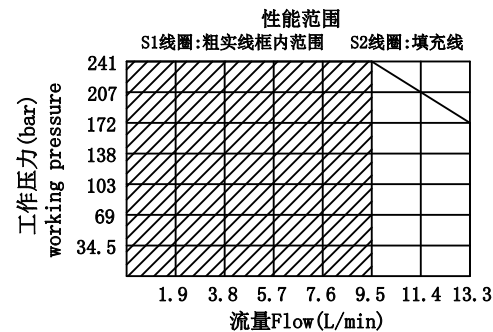
特性

- Continuous-duty solenoid
- Optional coil voltages and terminations
- Manual override option
- Efficient wet-armature construction
- Industry common cavity
- Compact size
- 可持续工作的电磁铁
- 可选线圈电压和终端
- 可带手动卸荷
- 高效能的电磁铁结构
- 工业通用插孔
- 结构紧凑

SPECIFICATIONS

技术参数

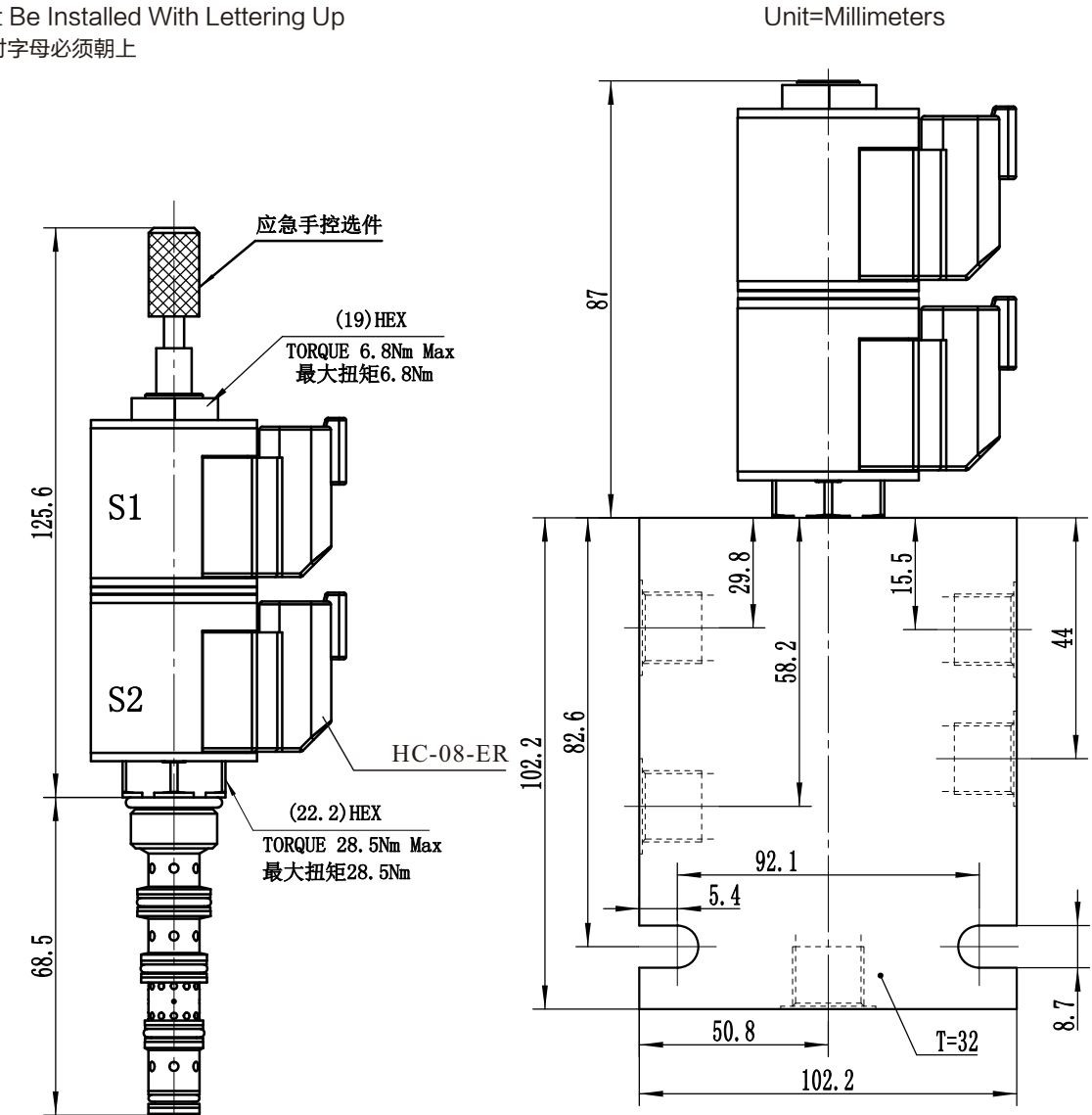
工作压力 Working Pressure : 207bar
最大流量 Max Flow: 13.3L/min
内泄漏 Internal Leakage: <197ML/min. Max at 207bar
温度范围 Temperature Range: -30°C+120°C
线圈电压范围 Coil Rating:
90% to 110% of Rated Voltage
过滤 Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质 Fluids: 矿物油 Mineral-based fluids
插孔 Cavity: 08-5



INSTALLATION DIMENSIONS

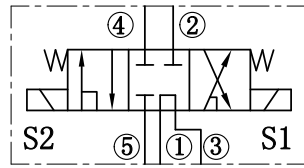
安装尺寸

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



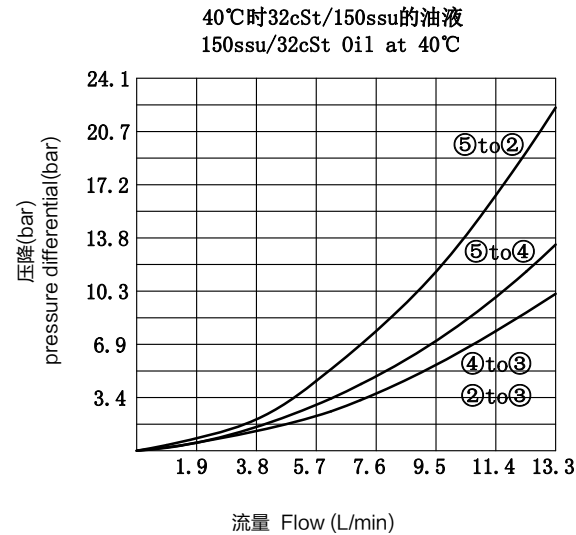
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSV08-58C	*	*	*	*	*
-----------	---	---	---	---	---

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

BODY PORTING 阀块油口
6T=SAE6
阀块油口螺纹只有SAE6
The oil orifice is SAE6 only
(Omit of Cartridge only
省略为不带阀块)

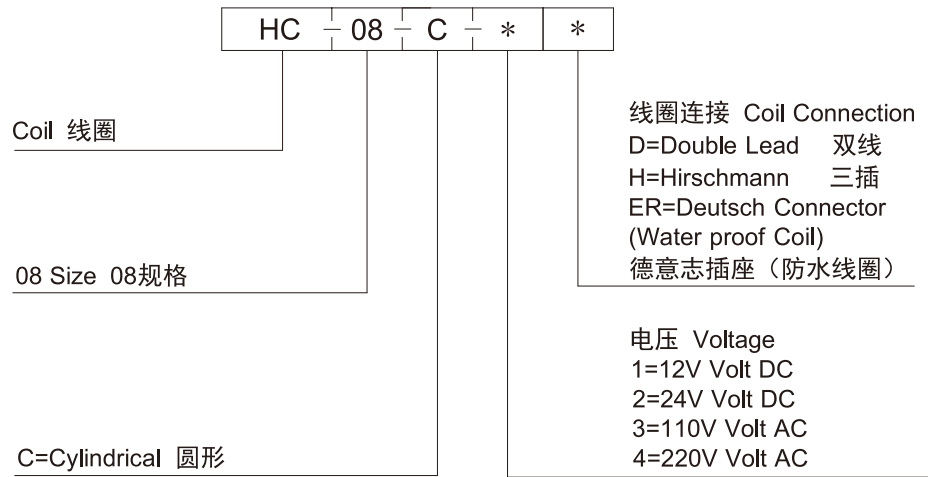
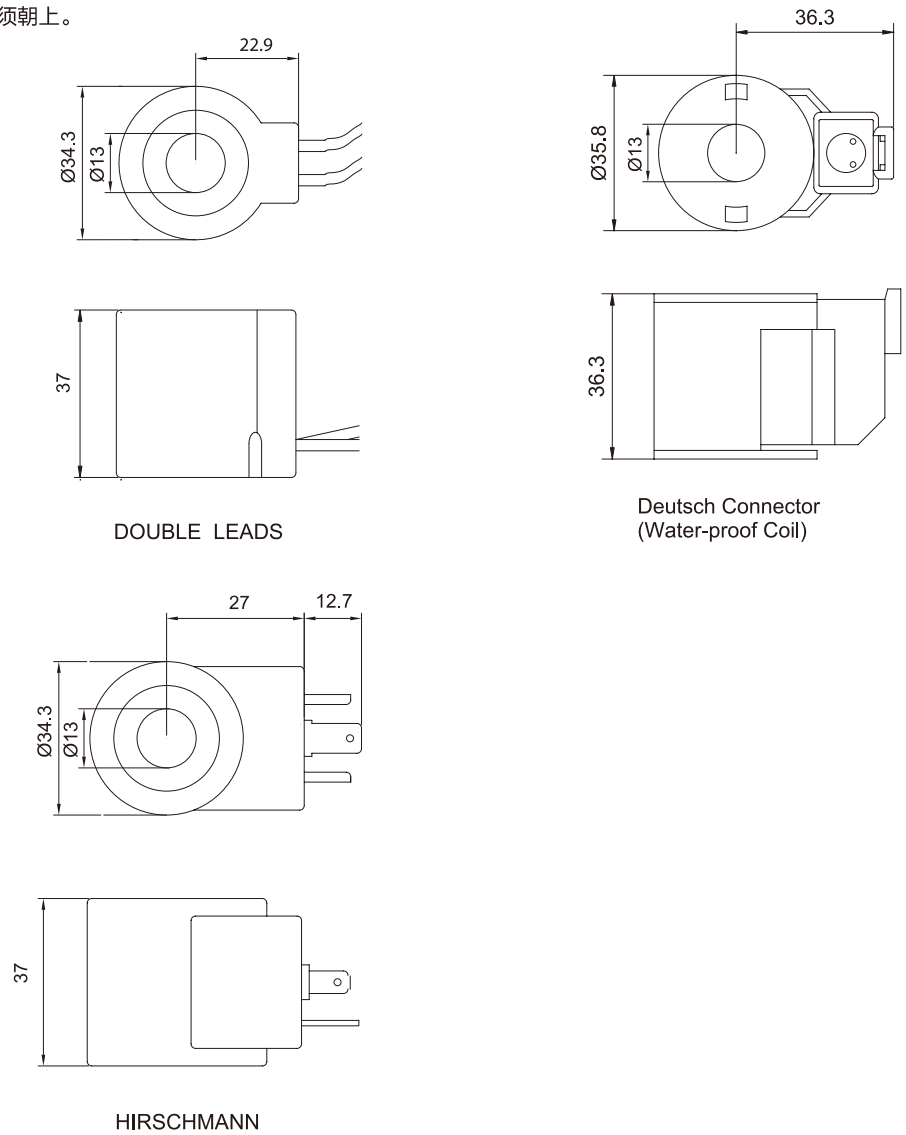
密封材料
N=Nitrile Rubber Buna 丁晴橡胶(标准型)

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)

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

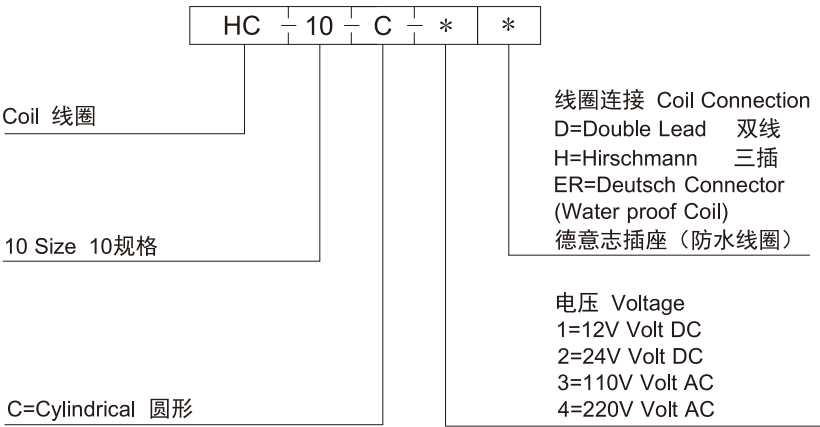
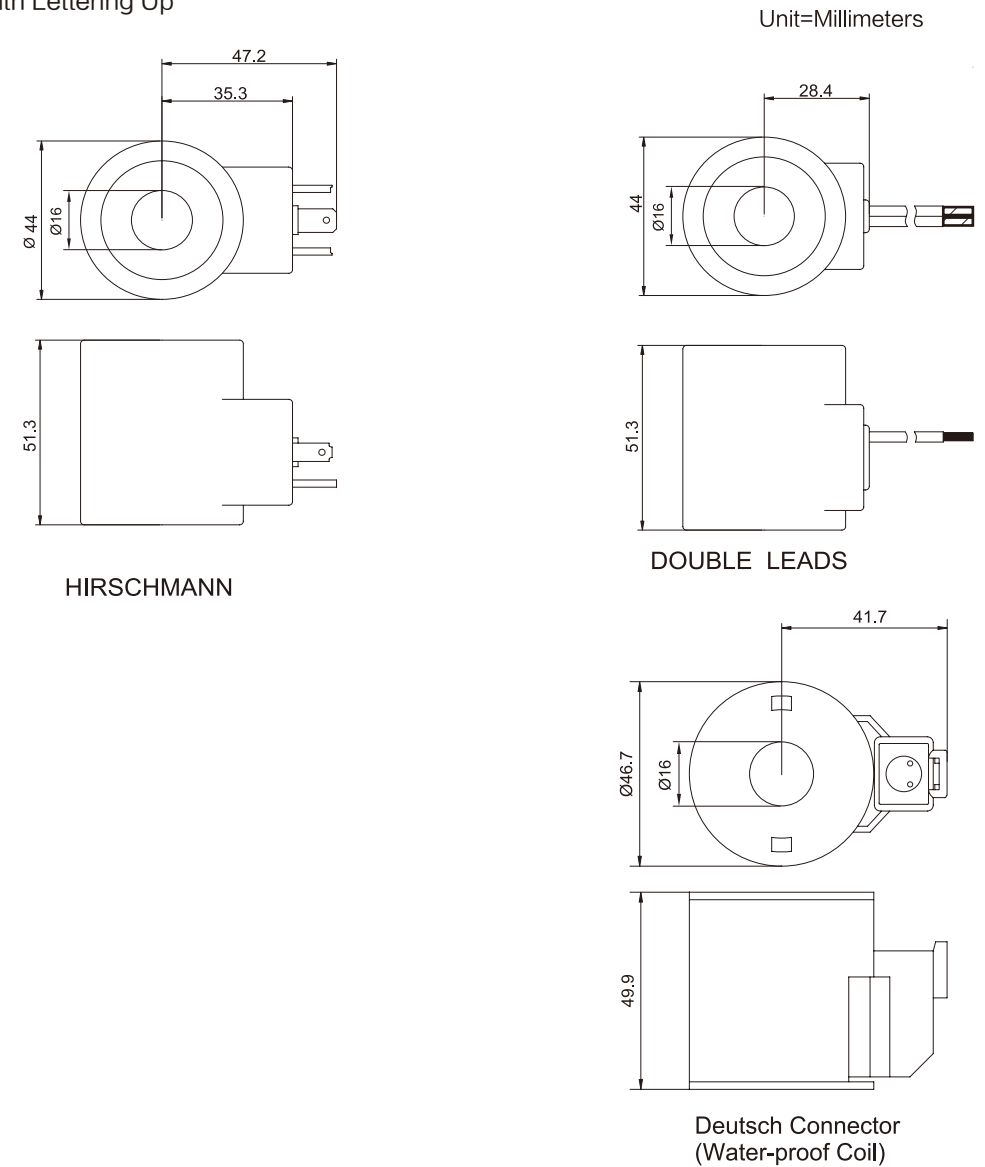
SOLENOID COIL DATA 08 series
线圈数据

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



SOLENOID COIL DATA 10 series
线圈数据

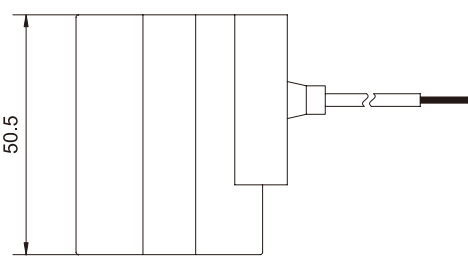
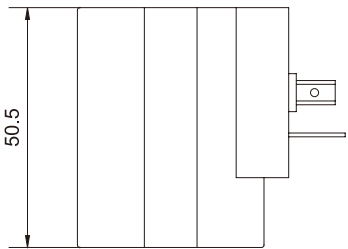
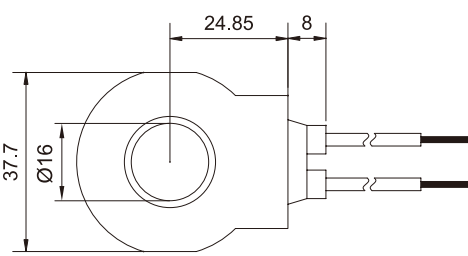
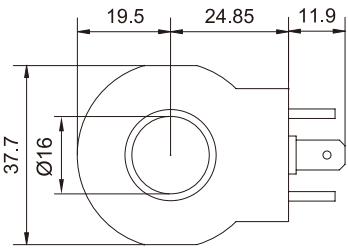
Coil Must Be Installed With Lettering Up
安装线圈时，字母必须朝上



OTHER SIZE SOLENOID COIL DATA
线圈数据

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

Unit=Millimeters



HIRSCHMAN

DOUBLE LEADS

HC2 10 C * *

Coil 线圈

10 Size 10规格

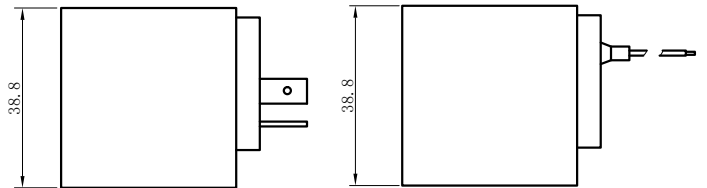
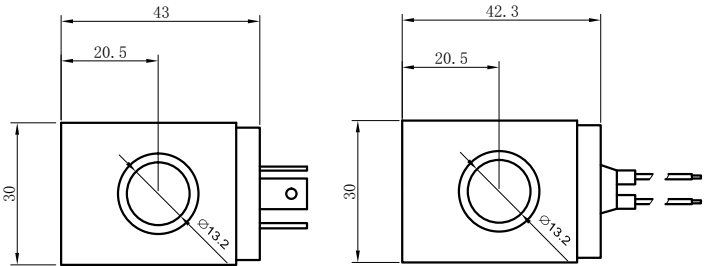
C=Cylindrical 圆形

线圈连接 Coil Connection
D=Double Lead 双线
H=Hirschmann 三插

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

SOLENOID COIL DATA 08 series
线圈数据

Unit=Millimeters



Hirschmann

Double Lead

HC 08 S * *

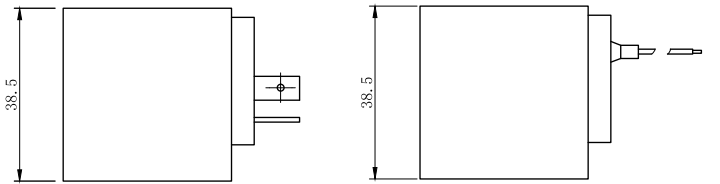
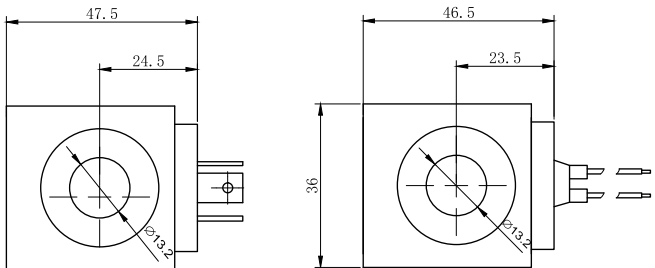
COIL 电磁线圈

08 Series 08系列

S=Square 方形

COIL CONNECTION
线圈连接
D=Double Lead 双线
H=Hirschmann 三插

VOLTAGE 电压
1=12V Volt DC
2=24V Volt DC



Hirschmann

Double Lead

HC 08 S1 * *

COIL 电磁线圈

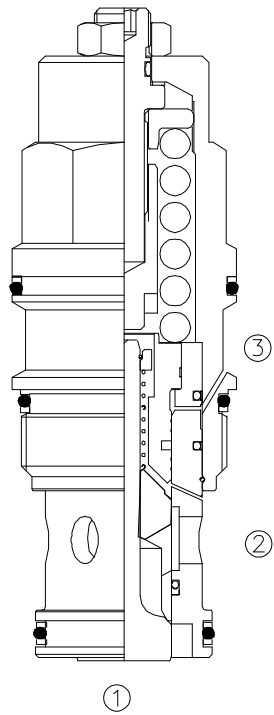
08 Series 08系列

S1=Square 方形

COIL CONNECTION
线圈连接
D=Double Lead 双线
H=Hirschmann 三插

VOLTAGE 电压
1=12V Volt DC
2=24V Volt DC

标准型 /standard



HSCBCA/HSCBCG

平衡阀

Counterbalance Cartridge valve

OPERATION

工作原理

Counterbalance valves with pilot assist are meant for control on overrunning load. The check valve allows free flow from port ② to port ① while a direct-acting, pilot-assisted relief valve controls flow from port ① to port ②. Pilot assist at port ③ lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

带先导开启平衡阀用于控制超越负载工况。油液从②口到①口单向自由流动；油液经直动，先导辅助从①口溢流到②口，③口是溢流辅助控制口，按控制比降低溢流功能的有效设定值。

FEATURES

特性

Counterbalance valves should be set at least 1.3 times the maximum load induced pressure
最大设定压力至少为最大负载压力的1.3倍。
Backpressure at port ② adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
②口的背压按"控制比+1"的倍数加到溢流阀的设定值上即增加值
=(1+控制比)×压力值。
Reseat exceeds 85% of set pressure when the valve is standard set. Setting lower than the standard set pressure may result in lower reseal percentages.

标准设定时闭合压力值大于设定压力值的85%；低于标准设定则闭合压力值的百分比相应降低。

Factory pressure setting established at 30cc/min(2 in3/min).
工厂的设定是指当溢流阀开启（流量为30cc/min）时的压力。

SPECIFICATIONS

技术参数

最大设定值Max.Setting：(HSCBCA)280Bar / (HSCBCG) 350bar
最大负载(Max. Recommended Load Pressure at Max. Setting):
在最大设定时所能承受的最大负载压力：215bar HSCBCA
270bar HSCBCG

流量Flow：60L/Min

内泄漏 Internal Leakage: 5drops/min

控制比Pilot Ratio: (HSCBCA)3:1/(HSCBCG)4.5:1

油液 Fluids: Mineral-based fluids with viscosities of 7.4 to 420 cSt.

插孔 Cavity: Sun T-11A see page 127

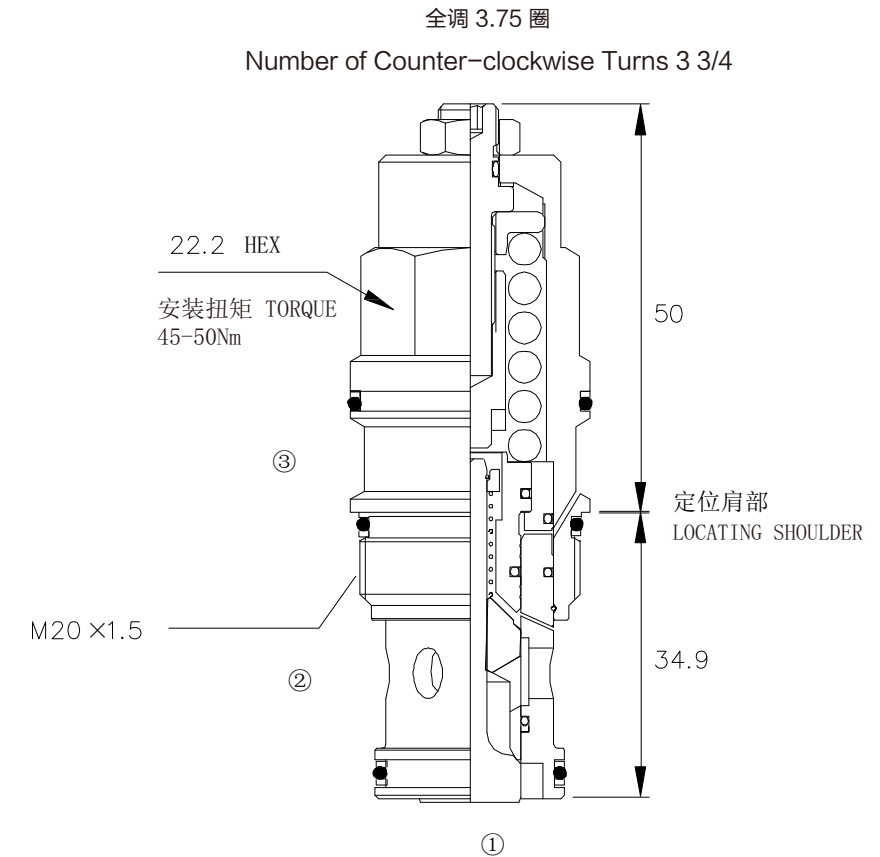
阀块材料Body Material: 钢材允许使用最大压力350bar
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

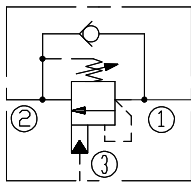
Turn adjustment clockwise to decrease setting and release load
顺时针方向旋转螺杆减少设定压以致卸载

Unit=Millimeters



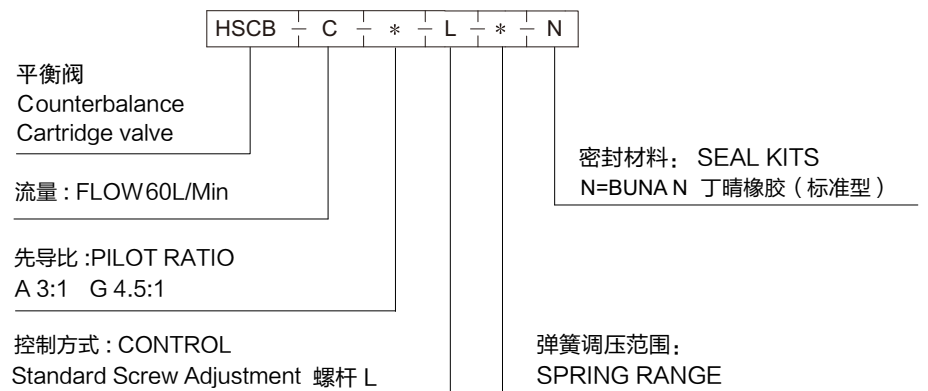
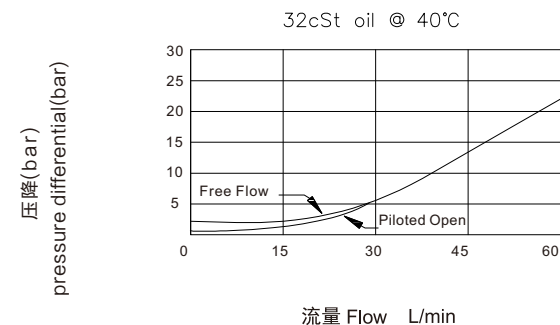
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



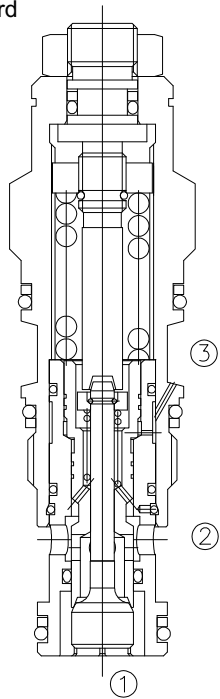
弹簧调压 HSCBCA:

H=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:1.7bar)
I=400-1500psi(28-105bar)
Preset: 1000psi(70bar) (Check:1.7bar)
A=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:0.3bar)
B=400-1500psi(28-105bar)
Preset:1000psi(70bar) (Check:0.3bar)

弹簧调压 HSCBCG:

J=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:1.7bar)
K=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:1.7bar)
C=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:0.3bar)
D=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:0.3bar)

标准型 /standard



HSCBEA/HSCBEG

平衡阀

Counterbalance Cartridge valve

OPERATION

工作原理

Counterbalance valves with pilot assist are meant for control on overrunning load. The check valve allows free flow from port ② to port ① while a direct-acting, pilot-assisted relief valve controls flow from port ① to port ②. Pilot assist at port ③ lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

带先导开启平衡阀用于控制超越负载工况。油液从②口到①口单向自由流动；油液经直动，先导辅助从①口溢流到②口，③口是溢流辅助控制口，按控制比降低溢流功能的有效设定值。

FEATURES

特性

Counterbalance valves should be set at least 1.3 times the maximum load induced pressure
最大设定压力至少为最大负载压力的1.3倍。
Backpressure at port ② adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
②口的背压按"控制比+1"的倍数加到溢流阀的设定值上即增加值
=(1+控制比)×压力值。
Reseat exceeds 85% of set pressure when the valve is standard set. Setting lower than the standard set pressure may result in lower reseal percentages.

标准设定时闭合压力值大于设定压力值的85%;低于标准设定则闭合压力值的百分比相应降低。

Factory pressure setting established at 30cc/min(2 in3/min).
工厂的设定是指当溢流阀开启（流量为30cc/min)时的压力。

SPECIFICATIONS

技术参数

最大设定值Max.Setting : (HSCBEA)280Bar / (HSCBEG) 350bar
最大负载(Max. Recommended Load Pressure at Max. Setting):
在最大设定时所能承受的最大负载压力: 215bar HSCBEA
270bar HSCBEG

流量Flow : 120L/Min

内泄漏 Internal Leakage: 5drops/min

控制比Pilot Ratio: (HSCBEA)3:1/(HSCBEG)4.5:1

油液 Fluids: Mineral-based fluids with viscosities of 7.4 to 420 cSt.

插孔 Cavity: Sun T-2A see page 126

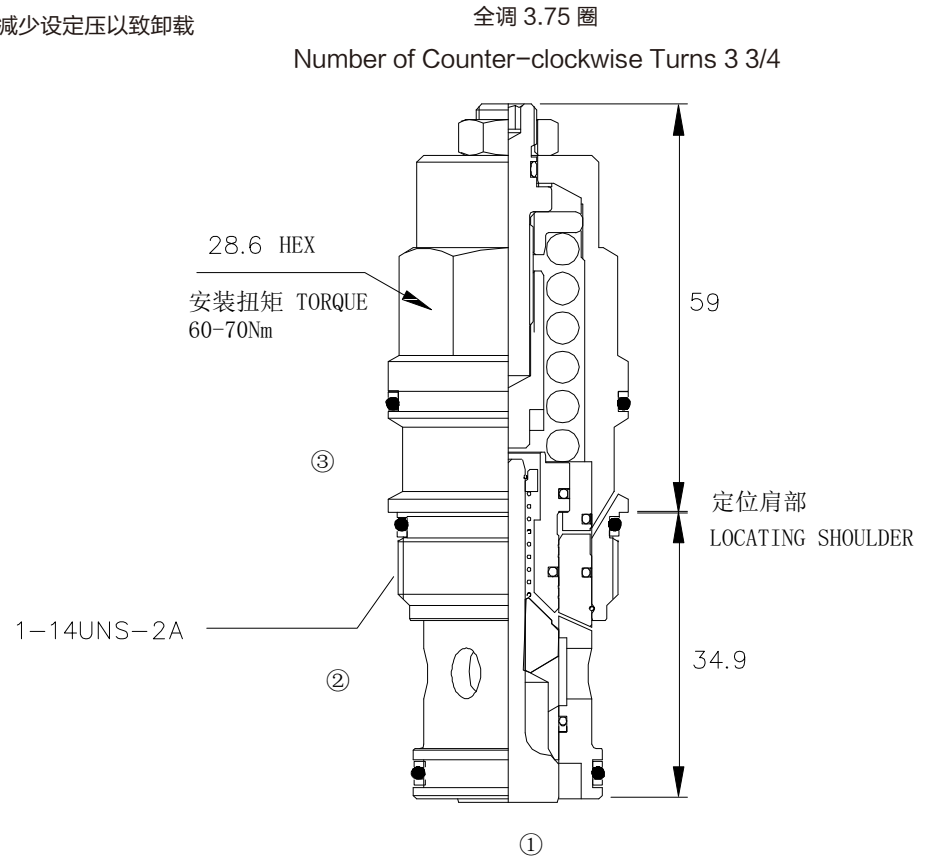
阀块材料Body Material: 钢材允许使用最大压力350bar
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

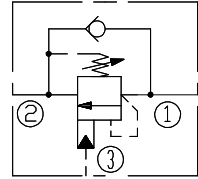
Turn adjustment clockwise to decrease setting and release load
顺时针方向旋转螺杆减少设定压以致卸载

Unit=Millimeters



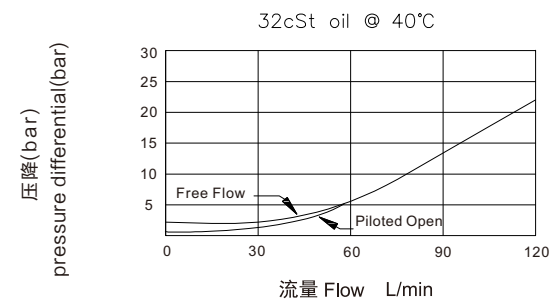
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



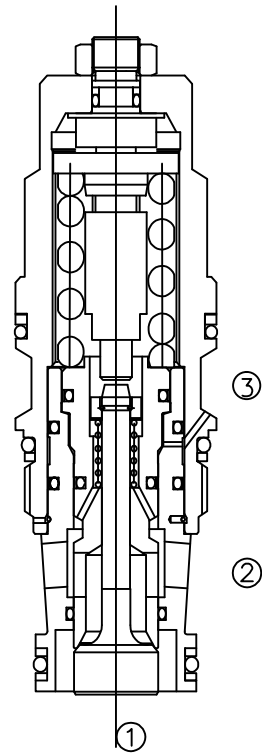
HSCB	E	*	L	*	N
平衡阀 Counterbalance Cartridge valve					密封材料: SEAL KITS N=BUNA N 丁晴橡胶 (标准型)
流量: FLOW 120L/Min					
先导比: PILOT RATIO A 3:1 G 4.5:1					
控制方式: CONTROL Standard Screw Adjustment 螺杆 L					弹簧调压范围: SPRING RANGE

弹簧调压 HSCBEA:

H=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:1.7bar)
I =350-1500psi(25-105bar)
Preset: 1000psi(70bar) (Check:1.7bar)
A=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:0.3bar)
B=350-1500psi(25-105bar)
Preset:1000psi(70bar) (Check:0.3bar)

弹簧调压 HSCBEG:

J=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:1.7bar)
K=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:1.7bar)
C=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:0.3bar)
D=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:0.3bar)



HSCBGA/HSCBGG

平衡阀

Counterbalance Cartridge valve

OPERATION

工作原理

Counterbalance valves with pilot assist are meant for control on overrunning load. The check valve allows free flow from port ② to port ① while a direct-acting, pilot-assisted relief valve controls flow from port ① to port ②. Pilot assist at port ③ lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

带先导开启平衡阀用于控制超越负载工况。油液从②口到①口单向自由流动；油液经直动，先导辅助从①口溢流到②口，③口是溢流辅助控制口，按控制比降低溢流功能的有效设定值。

FEATURES

特性

Counterbalance valves should be set at least 1.3 times the maximum load induced pressure
最大设定压力至少为最大负载压力的1.3倍。
Backpressure at port ② adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
②口的背压按"控制比+1"的倍数加到溢流阀的设定值上即增加值
=(1+控制比)×压力值。
Reseat exceeds 85% of set pressure when the valve is standard set. Setting lower than the standard set pressure may result in lower reseal percentages.

标准设定时闭合压力值大于设定压力值的85%;低于标准设定时闭合压力值的百分比相应降低。

Factory pressure setting established at 30cc/min(2 in 3/min).
工厂的设定是指当溢流阀开启（流量为30cc/min）时的压力。

SPECIFICATIONS

技术参数

最大设定值Max.Setting : (HSCBGA)280Bar / (HSCBGG) 350bar
最大负载 (Max. Recommended Load Pressure at Max. Setting):
在最大设定时所能承受的最大负载压力: 215bar HSCBGA
270bar HSCBGG

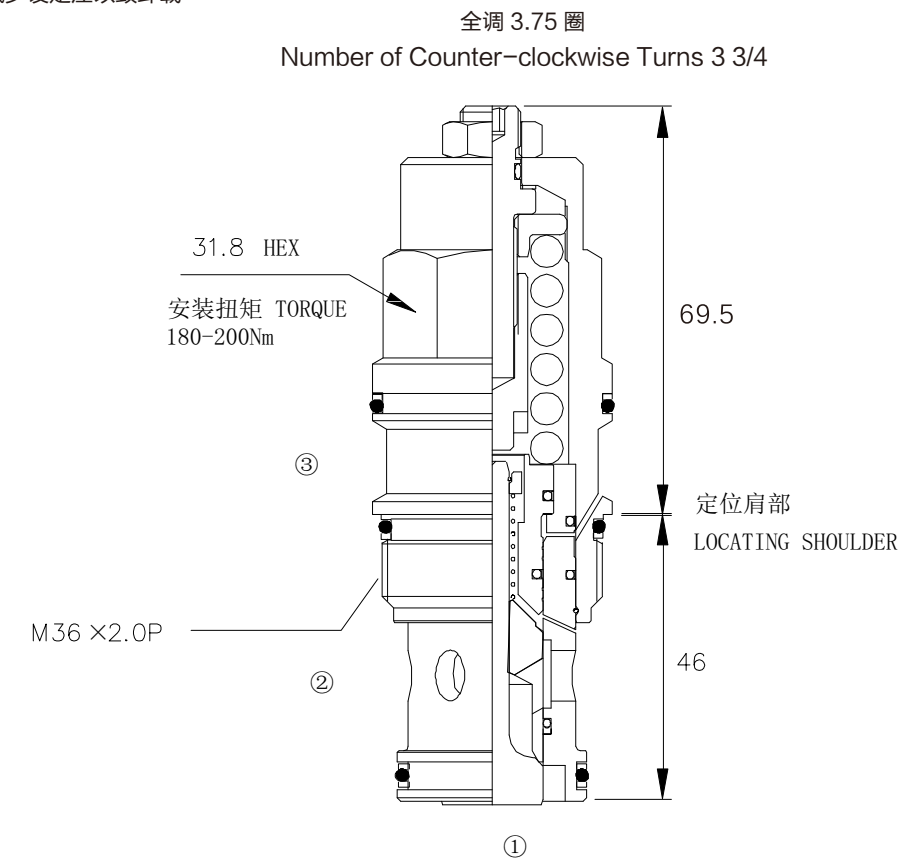
流量Flow : 240L/Min
内泄漏 Internal Leakage: 5drops/min
控制比Pilot Ratio: (HSCBGA)3:1/(HSCBGG)4.5:1
油液 Fluids: Mineral-based fluids with viscosities of 7.4 to 420 cSt.
插孔 Cavity: Sun T-17A
阀块材料Body Material: 钢材允许使用最大压力350bar
Steel rated at 350bar

INSTALLATION DIMENSIONS

安装尺寸

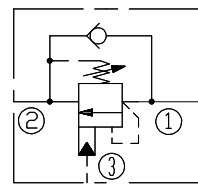
Turn adjustment clockwise to decrease setting and release load
顺时针方向旋转螺杆减少设定压以致卸载

Unit=Millimeters



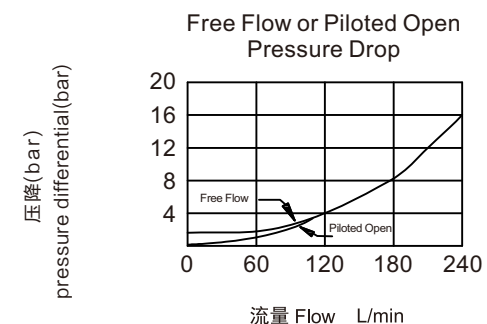
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSCB - G - * - L - * - N	
Counterbalance Cartridge valve 平衡阀	密封材料: SEAL KITS N=BUNA N 丁晴橡胶 (标准型)
流量 : FLOW240L/Min	弹簧调压范围: SPRING RANGE
先导比 :PILOT RATIO A 3:1 G 4.5:1	
控制方式 : CONTROL 螺杆 L	

弹簧调压 HSCBGA:

H=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:1.7bar)
I=350-1500psi(25-105bar)
Preset: 1000psi(70bar) (Check:1.7bar)
A=1000-4000psi(70-280bar)
Preset: 3000psi(210bar) (Check:0.3bar)
B=350-1500psi(25-105bar)
Preset:1000psi(70bar) (Check:0.3bar)

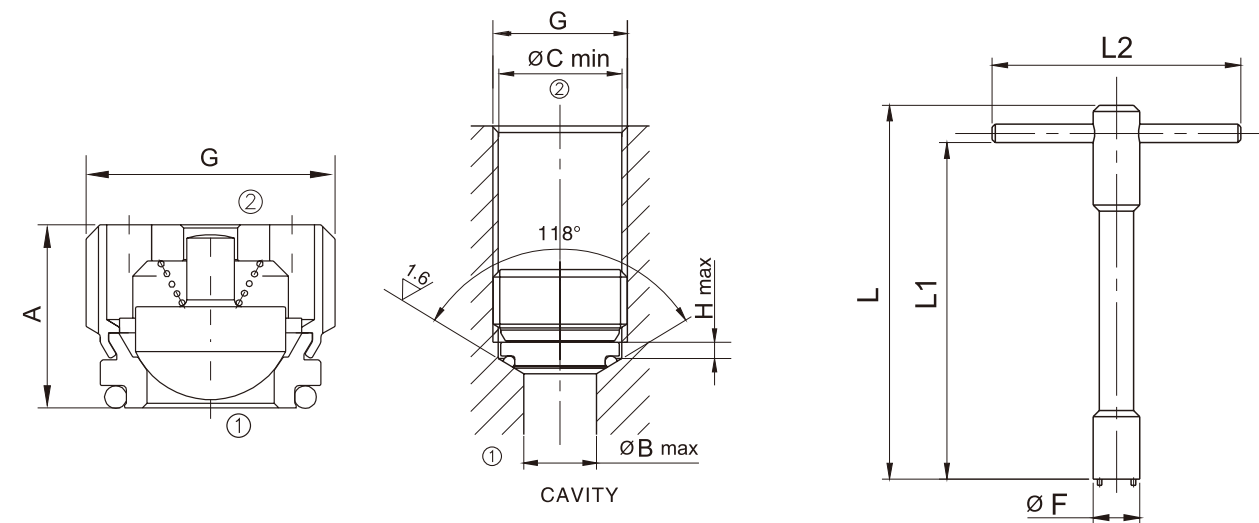
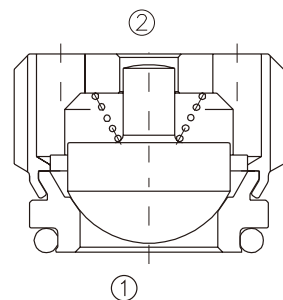
弹簧调压 HSCBGG:

J=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:1.7bar)
K=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:1.7bar)
C=2000-5000psi(140-350bar)
Preset: 3000psi(210bar) (Check:0.3bar)
D=1000-2500psi(70-175bar)
Preset: 2000psi(140bar) (Check:0.3bar)

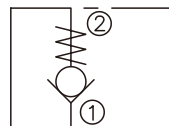
内置式单向阀

OPERATION 工作原理

When pressure at ① rises above the spring bias pressure, the poppet is lifted and flow allowed from ① to ②.
The valve is closed (checked) from ② to ①.
当在①口的压力超过开启压力，①到②开启；
反方向，②到①关闭



SYMBOL
机能符号



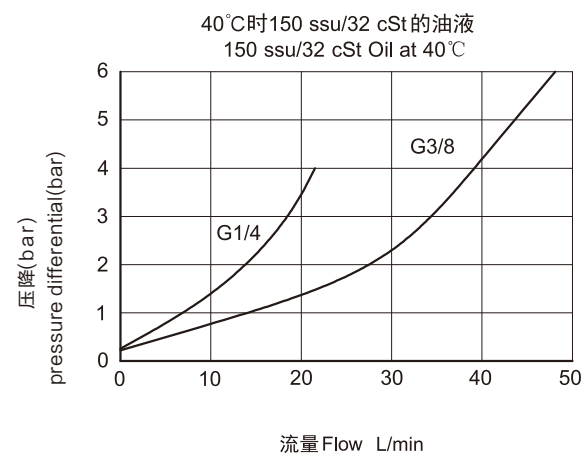
FEATURES 特性

- Hardened seat for long life
- Low leakage
- Compact size

G	A (mm)	B (mm)	C (mm)	H (mm)	最大流量 Max. Flow (L/min)	安装扭矩 Torque (Nm)
G1/4	9	7	11.6	3	20	6
G3/8	12.2	9	15.1	3	50	6

安装工具 Install. Tool	F (mm)	L (mm)	L1 (mm)	L2 (mm)
HICV-G14-Tool	11.3	120	110	60
HICV-G38-Tool	15	120	110	80

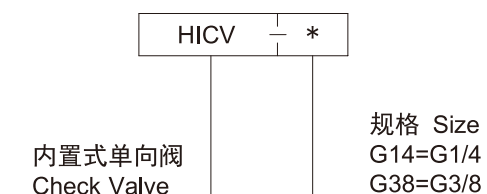
PRESSURE DROP VS.FLOW
性能图



SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 350Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 5 drops/min max.
开启压力(Crack Pressures): <0.5bar
介质温度(Temperature): -30 °C to +120°C
介质(Fluids):Mineral-based fluids
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar



单向阀 钢球型

Direct-Acting, Ball-Type, Cartridge Check Valve

OPERATION

工作原理

Pressure at ① overcomes the spring-bias ball and allows free flow from ① to ②. Flow in the opposite direction, from ② to ①, is blocked by the ball.

当在①口的压力超过开启压力，①到②开启；
反方向，②到①关闭。

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Ball for positive shut-off
- Industry common cavity
- Compact size

SPECIFICATIONS

技术参数

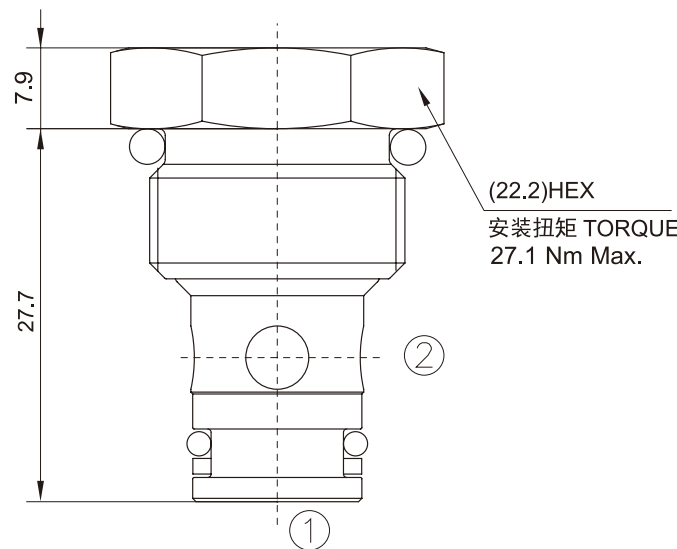
最大工作压力(Max. Operating Pressure): 240Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 3 drops/min max.at 240bar
开启压力(Crack Pressures): 0.3=0.3bar

介质温度(Temperature): -30 °C to +120°C
介质(Fluids): Mineral-based fluids
 For other fluid compatibility, consult factory
 矿物油.其它流体请咨询工厂.

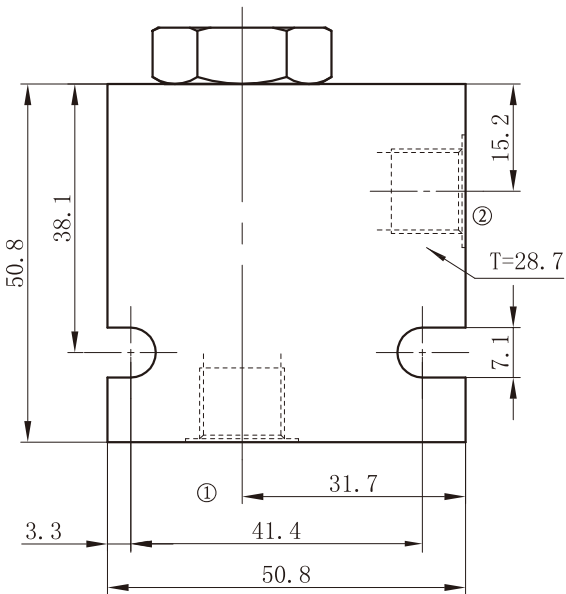
插孔 Cavity: 08-2
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

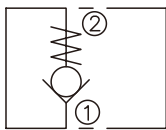
安装尺寸



Unit=Millimeters

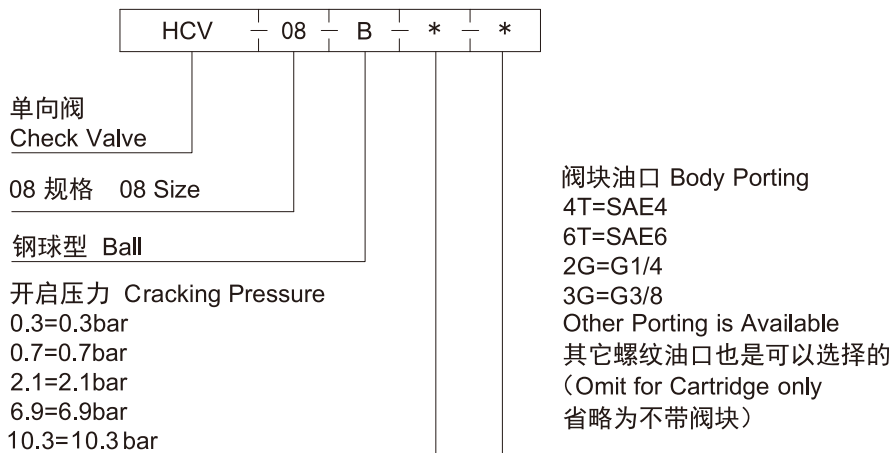
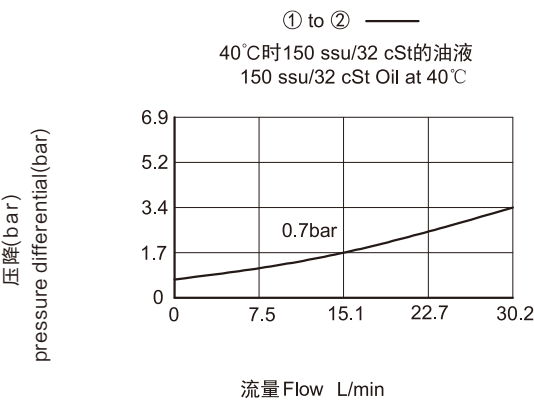


SYMBOL
机能符号



PRESSURE DROP VS.FLOW

性能图



HCV-10-B

单向阀 钢球型

Direct-Acting, Ball-Type, Cartridge Check Valve

OPERATION

工作原理

Pressure at ① overcomes the spring-bias ball and allows free flow from ① to ②. Flow in the opposite direction, from ② to ①, is blocked by the ball.

当在①口的压力超过开启压力，①到②开启；
反方向，②到①关闭。

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Ball for positive shut-off
- Industry common cavity
- Compact size
- 阀座经硬质处理，耐用
- 低泄漏
- 快速关闭
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 240Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 3 drops/min max.at 240bar

开启压力(Crack Pressures): 0.34=0.34 bar

1.0=1.0 bar

2.1=2.1 bar

4.8 =4.8 bar

6.9=6.9 bar

介质温度(Temperature): -30 °C to +120°C

介质(Fluids):Mineral-based fluids

For other fluid compatibility,consult factory.

矿物油,其它流体请咨询工厂。

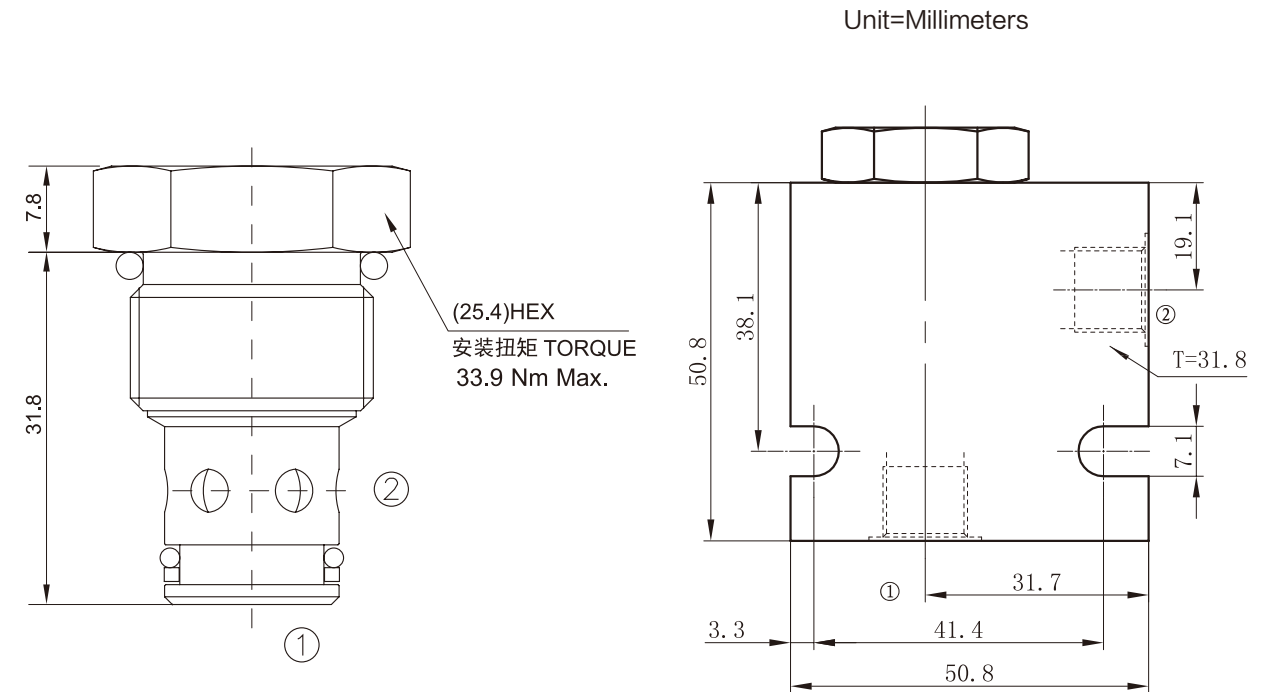
插孔 Cavity: 10-2

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6,允许使用最大压力207Bar，钢材允许最大压力350bar

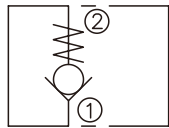
INSTALLATION DIMENSIONS

安装尺寸



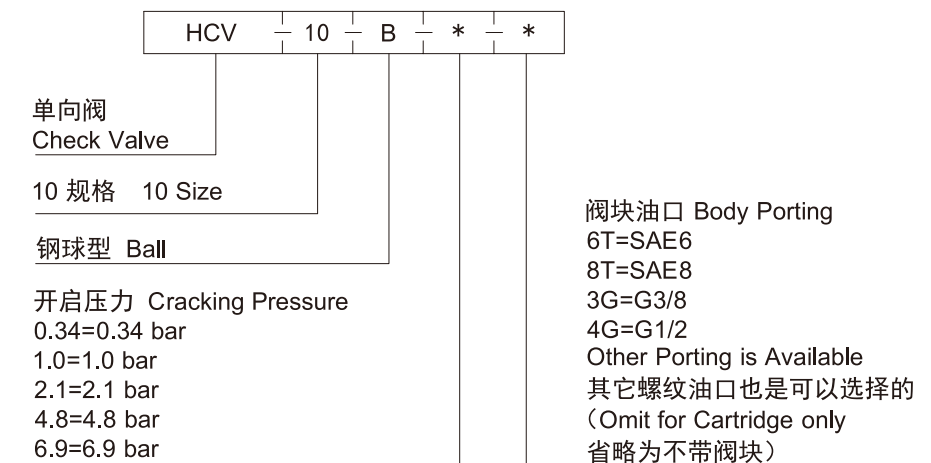
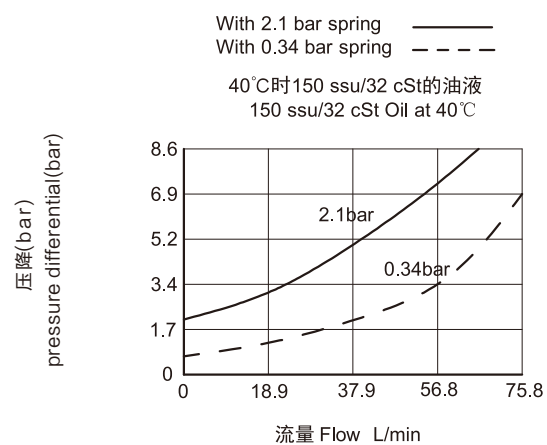
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HCV-10-P

单向阀 锥阀型

Direct-Acting, Poppet-Type,
Cartridge Check Valve

OPERATION

工作原理

When pressure at ① rises above the spring bias pressure, the poppet is lifted and flow allowed from ① to ②.

The valve is closed (checked) from ② to ①.

当在①口的压力超过开启压力，①到②开启；
反方向，②到①关闭。

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Industry common cavity
- Compact size
- 阀座经硬质处理，耐用
- 低泄漏
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 240 Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 3 drops/min max.at 345bar

开启压力(Crack Pressures): 0.34=0.34 bar

1.0=1.0 bar

2.1=2.1 bar

4.8=4.8 bar

介质温度(Temperature): -30 °C to +120°C

介质(Fluids):Mineral-based fluids

For other fluid compatibility,consult factory.

矿物油,其它流体请咨询工厂。

插孔 Cavity: 10-2

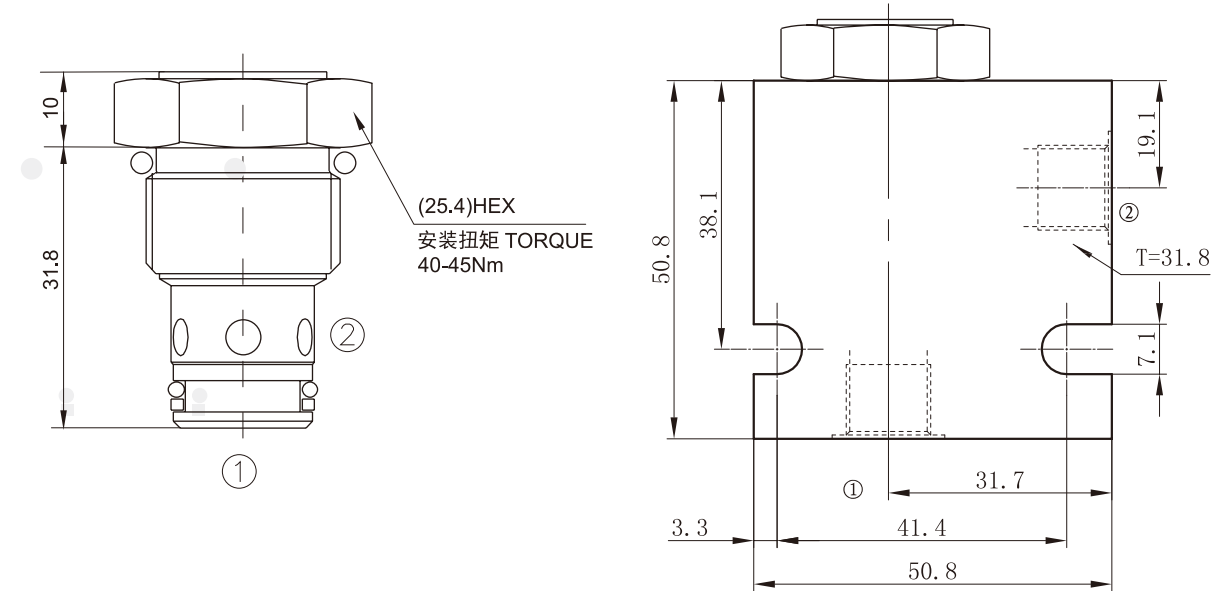
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

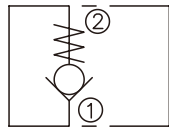
安装尺寸

Unit=Millimeters



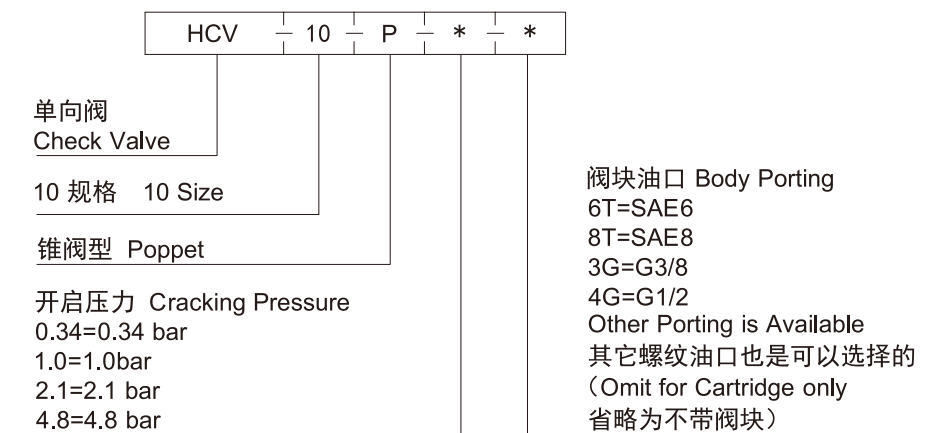
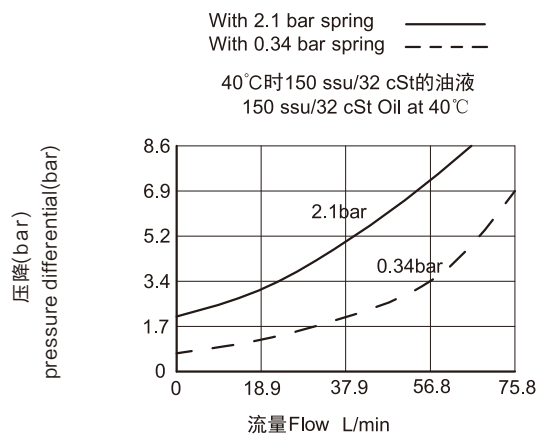
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HPC-08

液控单向阀

Direct-Acting, Ball-Type, Cartridge Check Valve

OPERATION

工作原理

The valve allows flow from ② to ③, while normally blocking flow from ③ to ②. Flow will be allowed from ③ to ② when sufficient pressure is applied at ①. The cartridge has a 3:1 pilot ratio, meaning that at least one-third of the load pressure held at ③ is required at ① to open the valve.

当在②口的压力超过开启压力，②到③开启；在反方向，③到②关闭；当在①口所需的液压力达到负载的1/3时，阀芯打开，③和②通，液控比3:1。

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Optional sealed piston
- Industry common cavity
- Compact size
- 阀座经硬质处理，耐用
- 低泄漏
- 可选密封活塞
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 240Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage):

③ to ②: 5 drops/min (0.25 ml/min.) at 240bar

② to ① without sealed piston: 115 ml/min at 240bar

② to ① with sealed piston: zero leakage

开启压力(Crack Pressures): 1.7=1.7 bar

4.8=4.8 bar

6.2=6.2 bar

控制比(Pilot Ratio): 3:1

介质温度(Temperature): -30 °C to +120°C

过滤(Filtration): ISO 19/17/14

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂。

插孔 Cavity: 08-3

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,

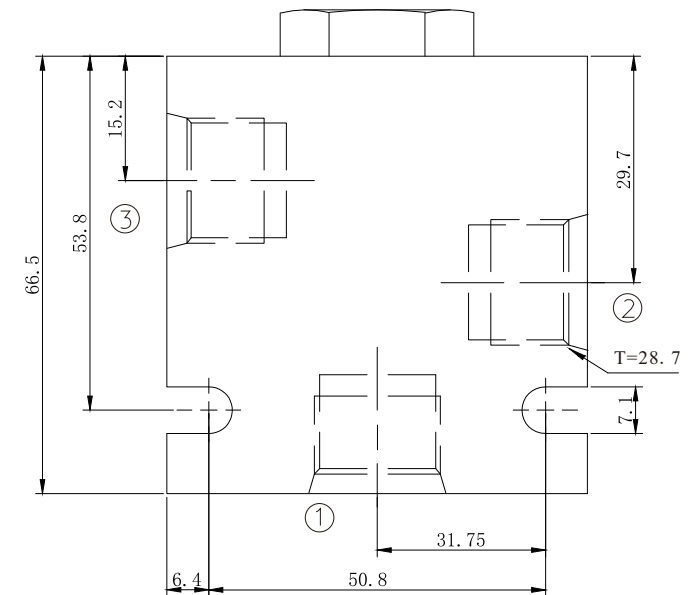
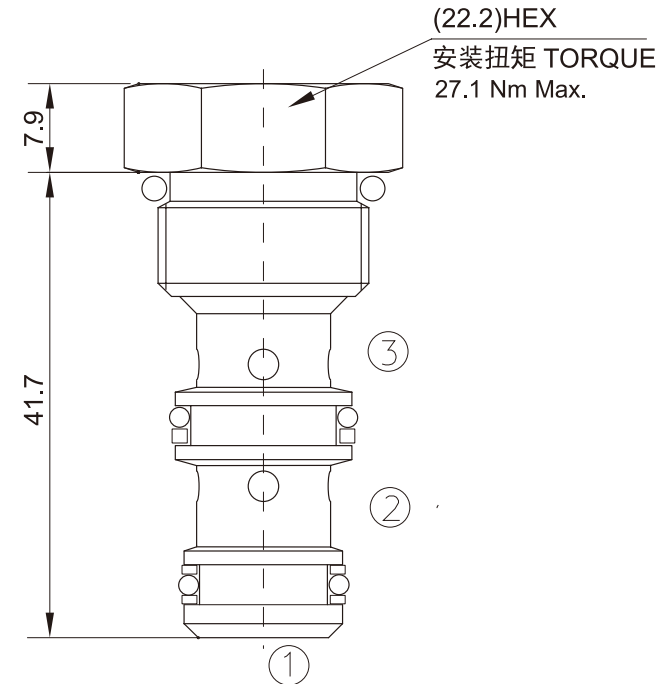
Steel rated at 350bar

6061-T6, 允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

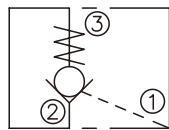
安装尺寸

Unit=Millimeters



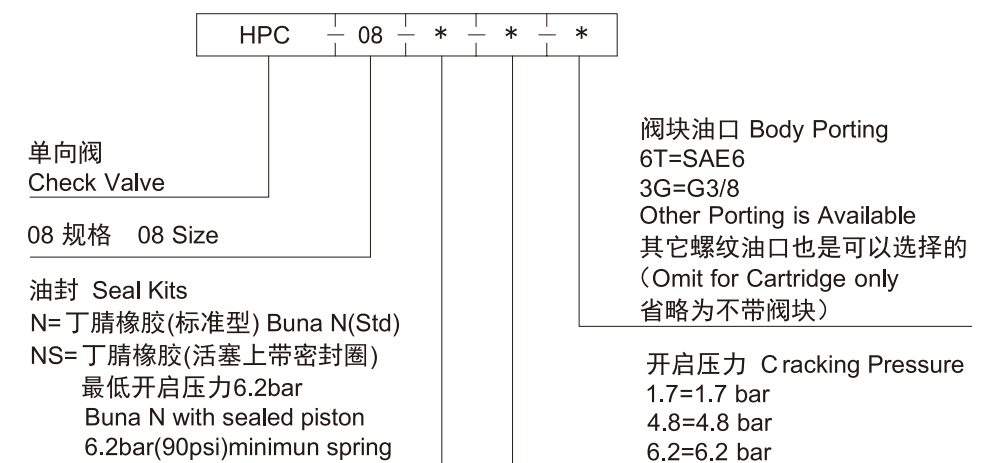
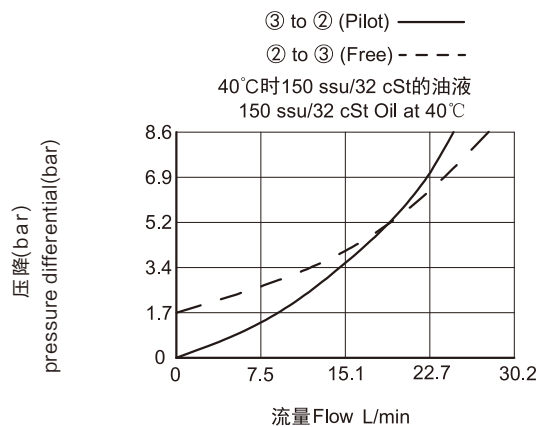
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HPC-10

液控单向阀

Direct-Acting, Poppet-Type,
Cartridge Check Valve

OPERATION

工作原理

The valve allows flow from ② to ③, while normally blocking flow from ③ to ②. Flow will be allowed from ③ to ② when sufficient pressure is applied at ①. The cartridge has a 4:1 pilot ratio, meaning that at least a quarter of the load pressure held at ③ is required at ① to open the valve.

当在②口的压力超过开启压力，②到③开启；在反方向，③到②闭；当在①口所需的液压力达到负载的 1/4 时，阀芯打开，③到②通，液控比 4:1.

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Optional sealed piston
- Industry common cavity
- Compact size
- 阀座经硬质处理，耐用
- 低泄漏
- 可选密封活塞
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 240 Bar

流量 (Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏 (Internal Leakage):

③ to ② : 5 drops/min(0.25ml/min.) at 240bar

② to ① without sealed piston: 115 ml/min at 240bar

② to ① with sealed piston: zero leakage

开启压力 (Cracking Pressures): 1.7=1.7bar

4.8=4.8 bar

6.2=6.2 bar

控制比 (Pilot Ratio): 4:1

介质温度 (Temperature): -30 °C to +120 °C

过滤 (Filtration): ISO 19/17/14

介质 (Fluids): Mineral-based fluids.

For other fluid compatibility, consult factory.

矿物油 . 其它流体请咨询工厂

插孔 (Cavity): 10-3

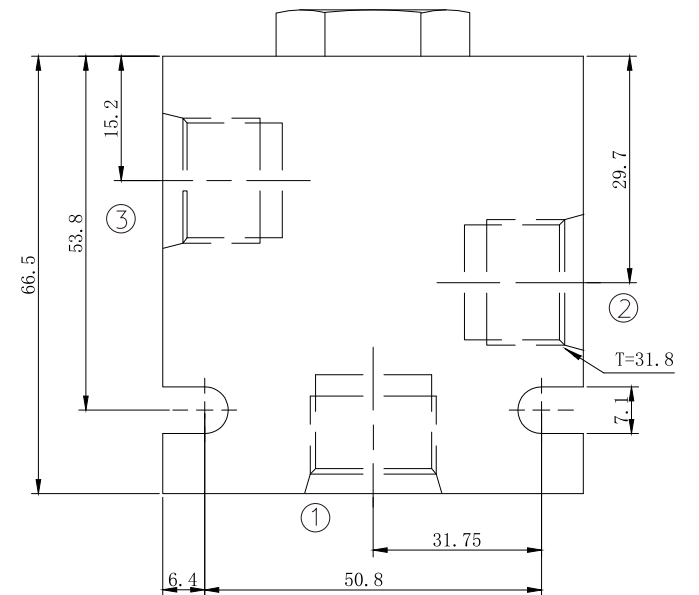
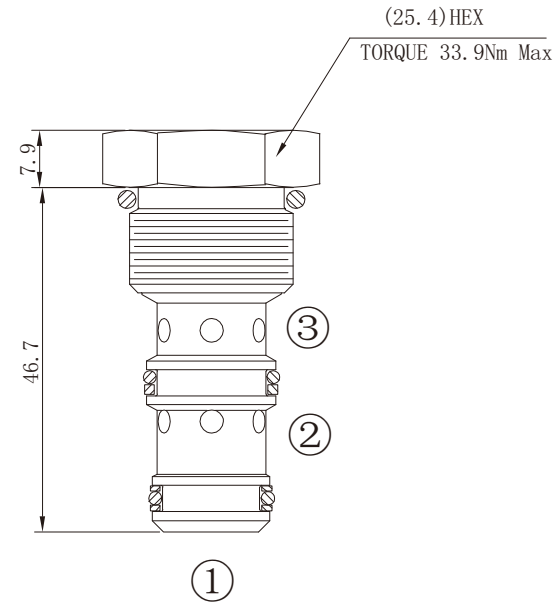
阀块材料 (Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6, 允许使用最大压力 207Bar, 钢材允许最大压力 350bar

INSTALLATION DIMENSIONS

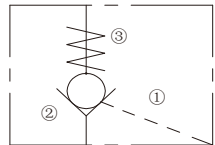
安装尺寸

Unit=Millimeters



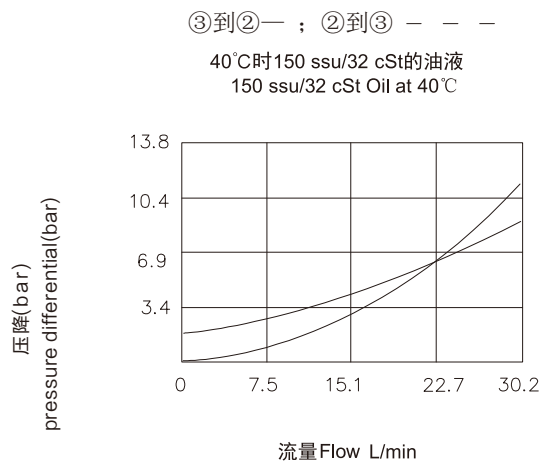
SYMBOL

机能符号

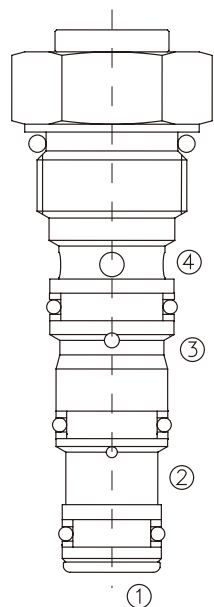


PRESSURE DROP VS.FLOW

性能图



HPC 10 * * *				
单向阀 Check Valve				
10 规格 10 Size				
油封 Seal Kits N=丁腈橡胶 (标准型) Buna N(Std) NS=丁腈橡胶 (活塞上带密封圈) 最低开启压力 6.2bar Buna N with sealed piston 6.2bar(90psi)minimun spring				
				阀块油口 Body Porting 6T=SAE 6 3G=G 3/8 Other Porting is Available 其它螺纹油口也是可以选的 (Omit for Cartridge only 省略为不带阀块)
				开启压力 Cracking Pressure 1.7=1.7 bar 4.8=4.8 bar 6.2=6.2 bar



HDPC-08

液压锁

Dual Pilot-Operated Cartridge Check Valve

OPERATION

工作原理

The valve will block flow from ①to②, and from ④to③. Flow is allowed in the opposite direction when pressure is applied to port ②and/or③. The valve has a 2.5:1 pilot ratio, so at least 40 percent of the load pressure at port ①or④ is required at the pilot lines (port③or②) to open the flow passage to allow flow from port ①or④.

①到②, ④到③关闭; 在反方向, ②到①, ③到④打开; 此阀有2.5:1的控制比, 所以在②口或③口的压力超过负载压力的40%时, ①到②, ④到③打开。

FEATURES

特性

- Hardened seat for long life
- Low leakage
- Industry common cavity
- Compact size
- 阀座经硬质处理, 耐用
- 低泄漏
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 207Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 5 drops/min max.(0.25 ml/min) at 207bar

开启压力(Crack Pressures): 0.4=0.4 bar
3.4=3.4 bar

控制比(Pilot Ratio): 2.5:1

介质温度(Temperature): -30 °C to +120°C

过滤(Filtration): ISO 19/17/14

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.
矿物油, 其它流体请咨询工厂。

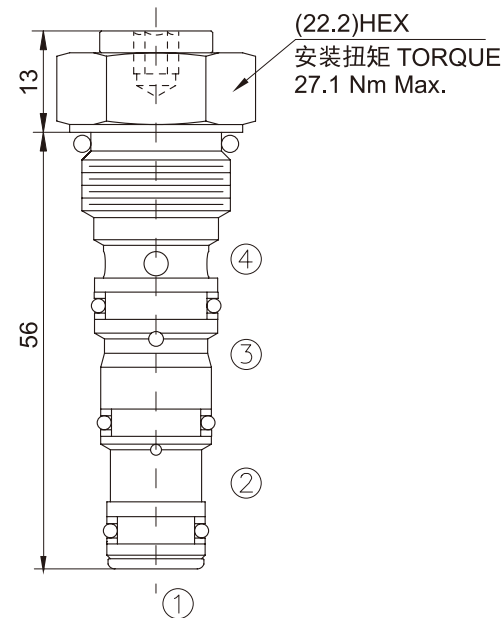
插孔 Cavity: 08-4

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar, Steel rated at 350bar

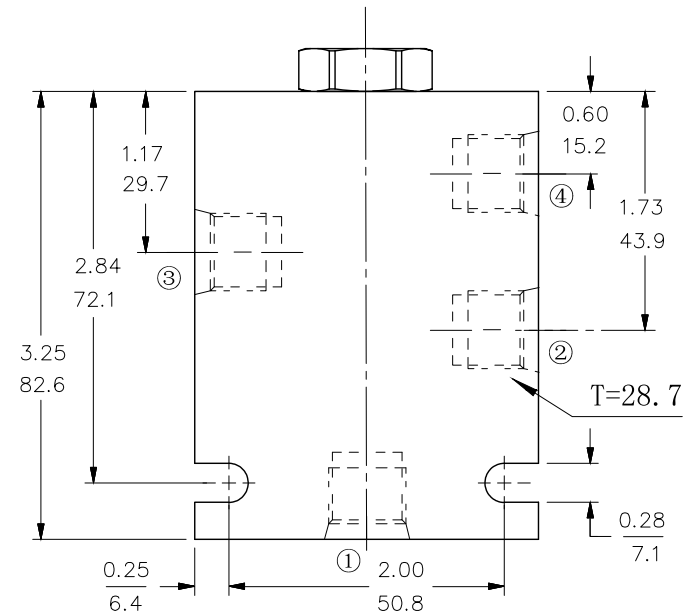
6061-T6, 允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

安装尺寸

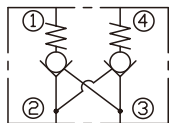


Unit=Millimeters



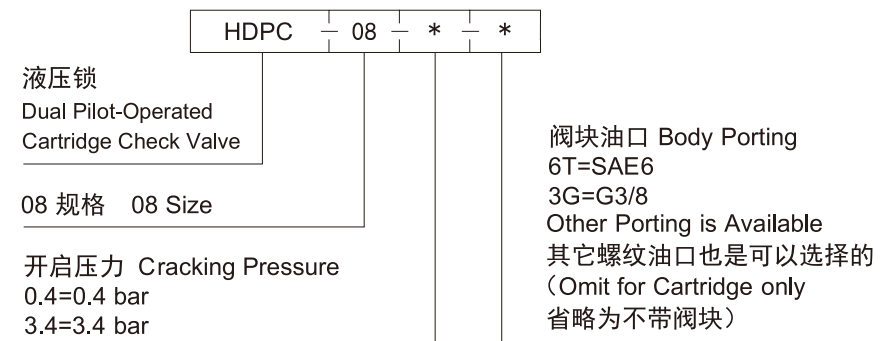
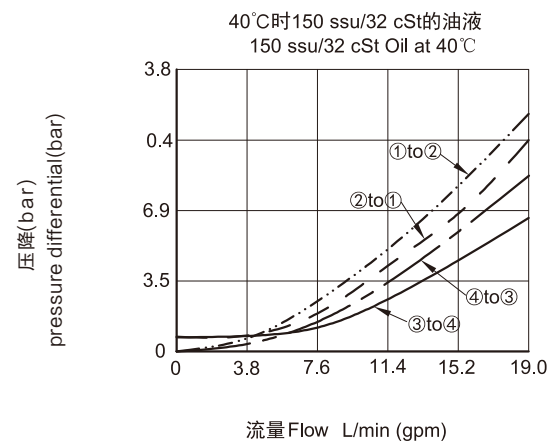
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



标准型 /standard

HLS04-B30

梭阀

Ball-Type,Cartridge
Shuttle Valve

OPERATION 工作原理

The valve will allow flow from the higher pressure of 1 or 3 port to the 2 port .valve is commonly used to direct oil from the pressure side of a bidirectional hydraulic motor to a pressure-released hydraulic brake.

当①口超过③口的压力时，①到②打开；
当③口超过①口的压力时，③到②打开。
一般用于自动开启液压马达制动器：
比较液压马达油口压力，压力高的油口与液压制动器释放端连接。

FEATURES 特性

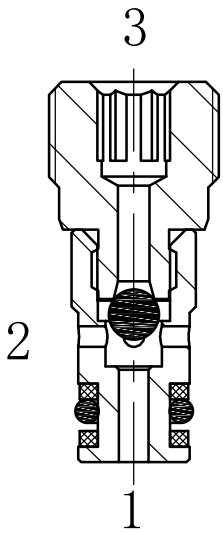
Rapid response to load direction changes.
Compact size.
迅速响应负载方向变化。
结构紧凑。

SPECIFICATIONS 技术参数

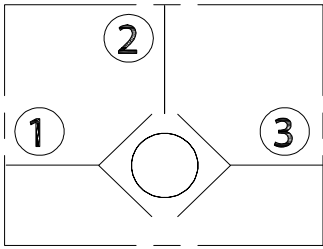
最大工作压力 (Max. Operating Pressure): 240Bar
流量 Flow rate(L/min): 参见性能图 See Pressure Drop VS.Flow.
内泄漏 Internal Leakage: 5drops/min max. at 210bar
介质温度范围 (° C)Fluid temperature range (° C): -20 ° C to +70 ° C
过滤 Filtration:
Critical Applcation – ISO 18/16/13
Non-Critical Applcation – ISO 19/17/14
介质 Fluids: 矿物油。其它流体请咨询工厂。
Mineral-based fluids 。
For other fluid compatibility,consult factory 。
插孔 Cavity:04-B3
阀块材料 Body Material :
6061-T6 铝，允许使用最大压力 207bar
钢材允许使用最大压力 350bar
6061-T6aluminum alloy rated to 207bar
Steel rated to 350bar

INSTALLATION DIMENSIONS 安装尺寸

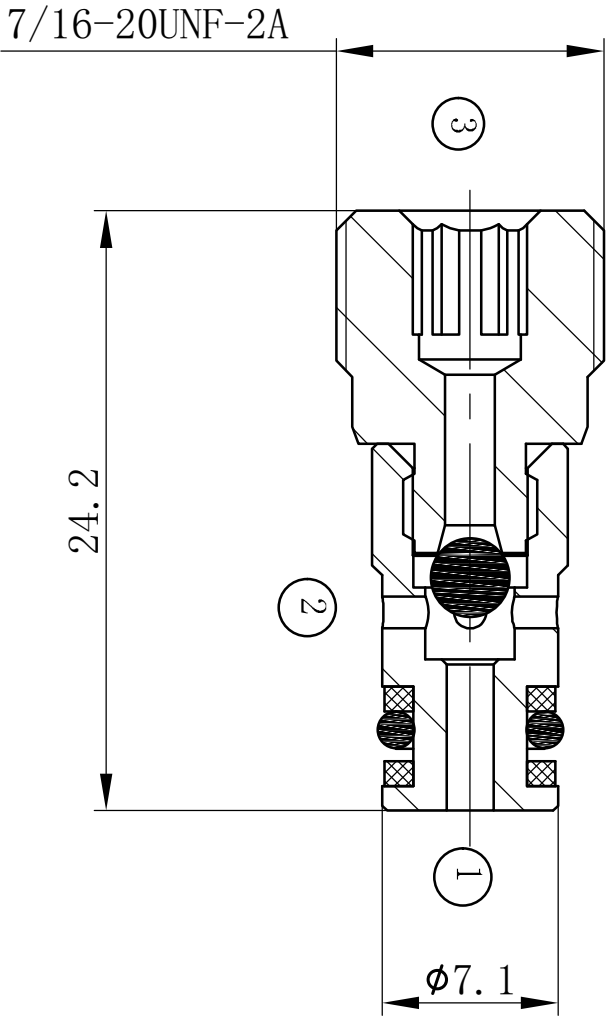
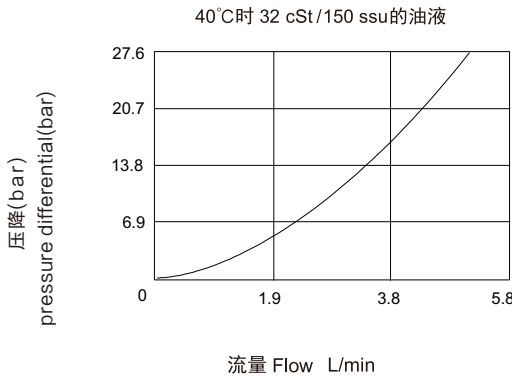
Unit=Millimeters



SYMBOL 机能符号



PRESSURE DROP VS.FLOW 性能图



HS1SH10

梭阀

Shuttle Valve
Ball type

OPERATION

工作原理

When a higher pressure is sensed at inlet 1 than at inlet 2 the ball within the cartridge is forced against a seat opening the higher pressure to outlet. When the higher pressure appears at inlet 2 the ball is forced against the other seat which blocks inlet 1 and opens up inlet 2 to outlet.

FEATURES

特性

插装设计便于快速安装在阀体或阀组上

Cartridge design enabling speedy servicing when mounted in a body or in a composite manifold.

SPECIFICATIONS

技术参数

最大工作压力 Max Working Pressure: 350bar

最大流量 Max Flow: 20L/min

泄漏 Internal Leakage: <0.6ML/min. Max at 350bar

温度范围 Temperature Range: -30℃+90℃

过滤 Filtration:

Critical Application-ISO 18/16/13

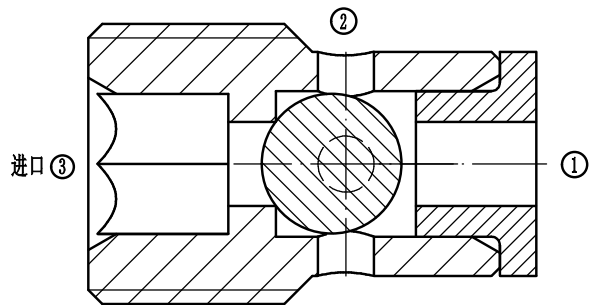
Non-Critical Application-ISO 19/17/14μ

介质 Fluids: 矿物油 Mineral-based fluids

INSTALLATION DIMENSIONS

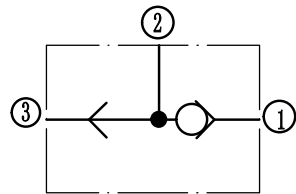
安装尺寸

Unit=Millimeters



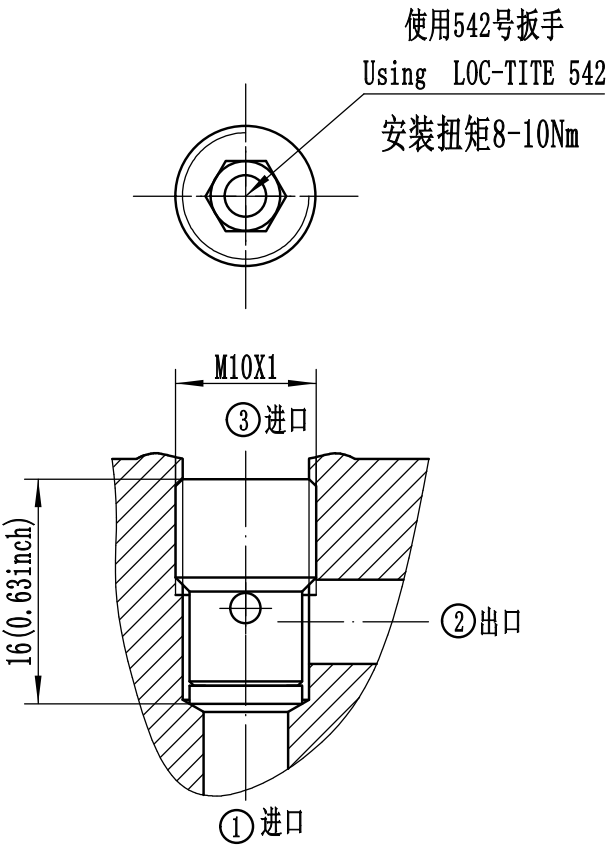
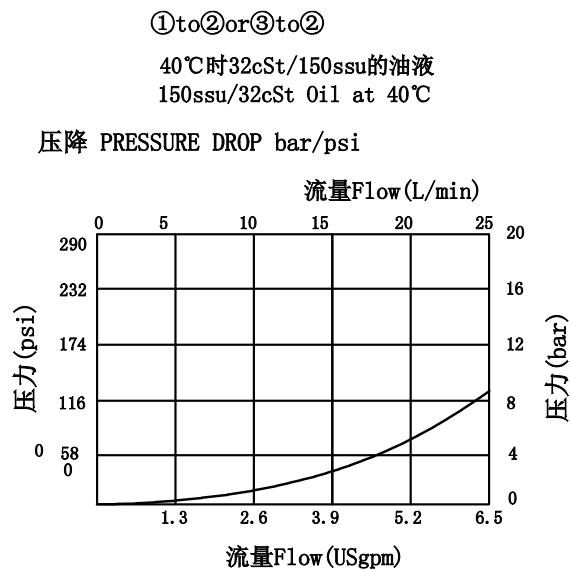
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HS1SH10

基本代号-仅插件
Basic Code-Cartridge Only

HSEP08-35

滑阀型液控方向阀

The HSEP08-35 is a screw-in, cartridge style, spool type, hydraulic directional element

OPERATION

工作原理

The HSEP08-35 is a spring-biased blocking valve, which will open port ① to ② when pressure at port ① exceeds the cumulative pressure at port ③ and the bias spring pressure value. With noprressure at port ③ flow will be allowed from port ① to ② once the bias spring force is overcome with pressure at port ①

HSEP08-35为弹簧截止阀,只有在①口的压力超过③口的压力和弹簧预压力之和时,阀芯才会移动,从而使油液由①完全流向②。HSEP08-35为液控闭合方向阀。
当③口无压力时,一旦①口的压力超过弹簧预压力,油液将从①流向②。

FEATURES

特性

- Multiple function/application potential. · 功能多,用途广
- Low pressure drop. · 压力损失小
- Compact size. · 尺寸紧凑
- Industry-common cavity. · 工业常规阀孔

SPECIFICATIONS

技术参数

最大工作压力 Max Working Pressure : 345bar

流量 Flow Rate: 参见性能图

See Pressure Drop VS. Flow graph

内泄漏 Internal Leakage: <164ML/min. Max at 207bar

温度范围 Temperature Range: -30°C+120°C

过滤 Filtration:

Critical Application-ISO 18/16/13

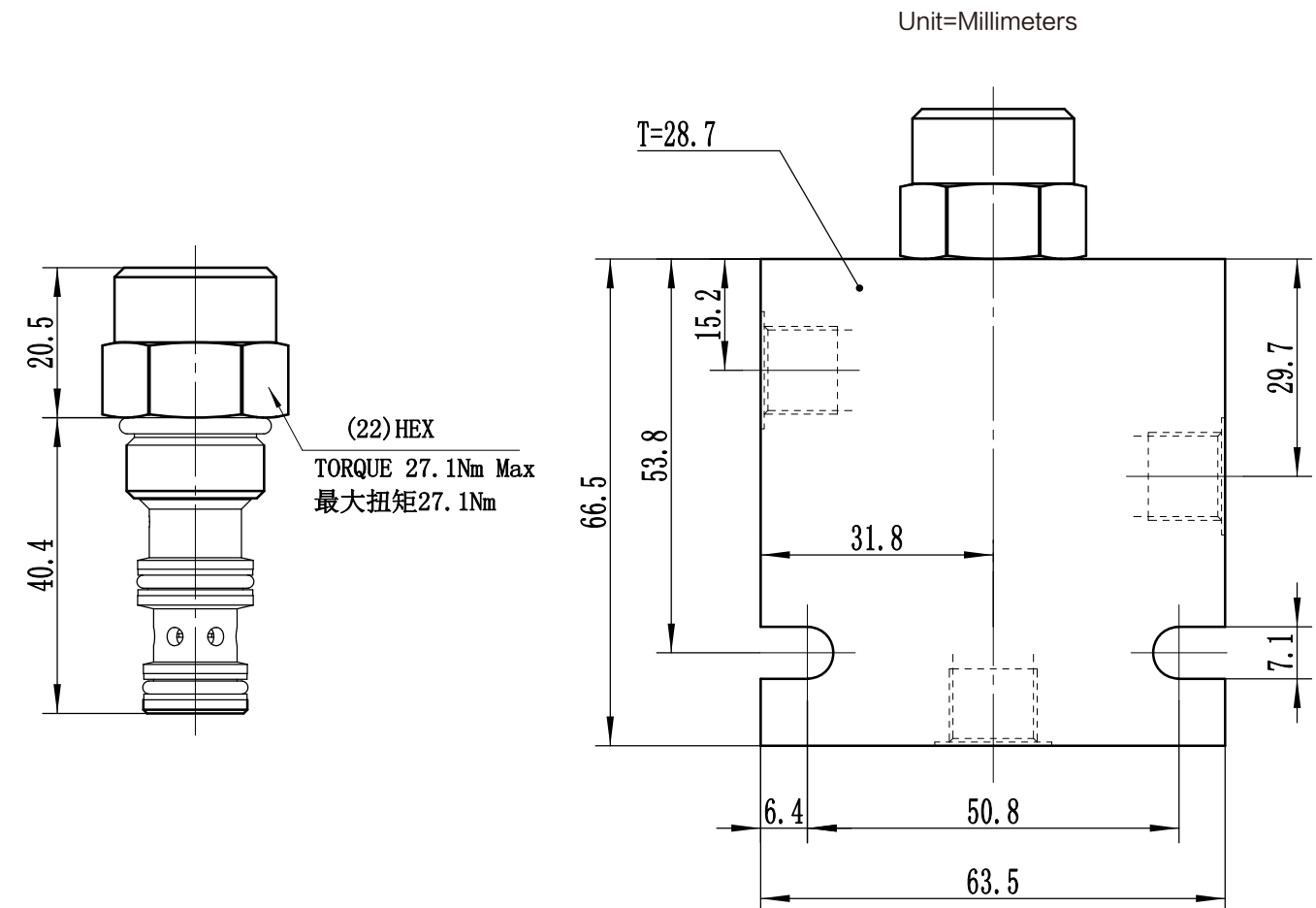
Non-Critical Application-ISO 19/17/14

介质 Fluids: 矿物油 Mineral-based fluids

插孔 Cavity: 08-3 See page 参见页

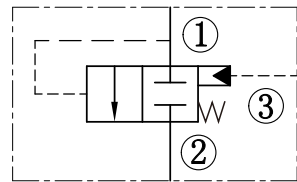
INSTALLATION DIMENSIONS

安装尺寸



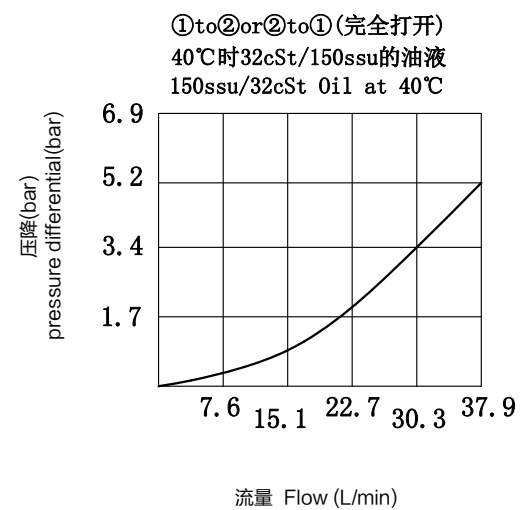
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSEP08-35	*	*	*	*	*
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BODY PORTING 阀块油口

0=只订购插装件

6TA=SAE6(铝制阀块)

6TF=SAE6(钢制阀块)

铝制阀块最大工作压力240bar

钢制和球墨铸铁阀块最大工作压力345bar

密封材料

N=Nitrile Rubber Buna 丁晴橡胶(标准型)

弹簧规格

10 0.7bar(10psi)

40 2.8bar(40psi)

80 5.5bar(80psi)

110 7.6bar(110psi)

150 10.3bar(150psi)

HSHS50-43

三位三通热油梭阀

Three-Way, Three-Position, Spool-Type
Hot oil shuttle Valve

The HSHS50-43 is a screw-in, cartridge style, spring centered spool, closed center, 3-position, 3-way hot oil shuttle valve for use with general purpose hydraulic fluids. The valve CAN be used for hydrostatic transmissions to direct charge pump oil to a heat exchanger or to tank. HSHS50-43是一种螺旋式, 插装式, 弹簧对中中位闭合的三位三通热油梭阀, 用于通用液压传动。该阀可用于静液传输, 将油直接充入热交换器或油箱。

OPERATION

工作原理

With internal piloting at port 1,2 or 4,the HSHS50-43 with direct oil from the port opposite of the piloted port 3,thus removing oil from the low-pressure side for cooling or filtration purpose.

The valve has a spring-centered spool,and is closed in neutral position. 利用油口1, 2, 或4处的内强压力信号, HSHS50-43将油液从与内腔油口相反的油口流到油口3, 从而排出低压端的油液, 以达到冷却或过滤目的。该阀带有弹簧对中阀芯, 并且再中位闭合。

FEATURES

特性

阀芯和阀套经硬质处理, 耐用。工业常规阀孔。
Hardened spool and cage for long life. Industry-common cavity.

SPECIFICATIONS

技术参数

工作压力 Opreating Pressure:

350bar (5000psi) when used in steel body.

流量 Flow Rate: See Performance Chart

弹簧压力值: Bias Spring Value: 4.1bar(60spi)

内泄漏 Internal Leakage:

<541ML/min (328ml/min) Max.at 207bar (5000psi)

温度范围 Temperature Range:

-40℃to+120℃ with standard polyurethane seals

过滤 Filtration:

Critical Application-ISO 18/16/13

Non-Critical Application-ISO 19/17/14

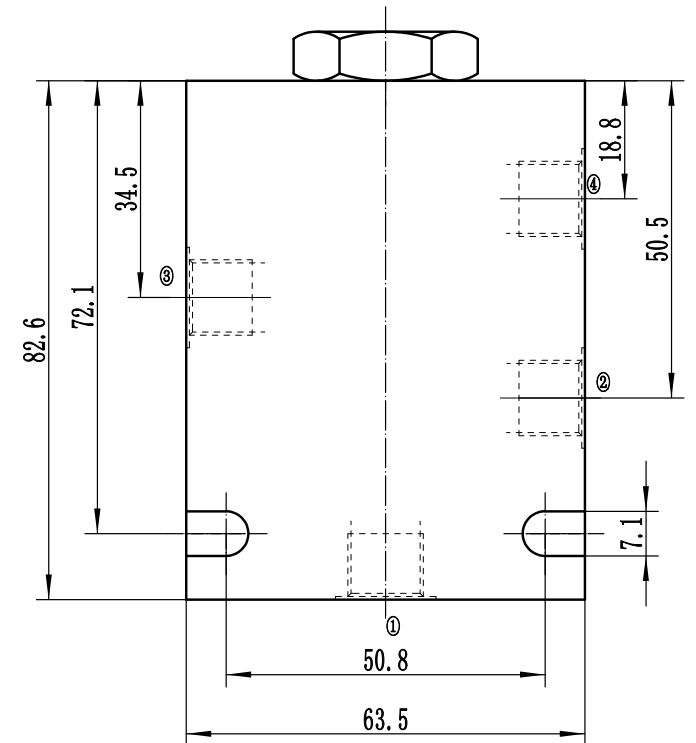
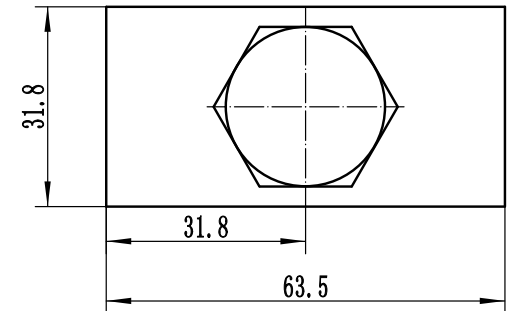
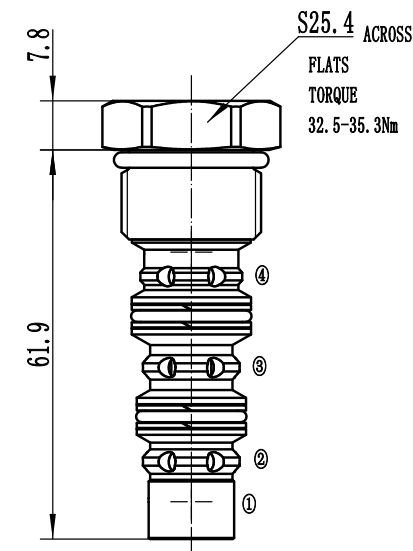
介质 Fluids: 矿物油 Mineral-based fluids

插孔 Cavity: 10-4

INSTALLATION DIMENSIONS

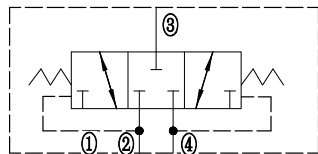
安装尺寸

Unit=Millimeters



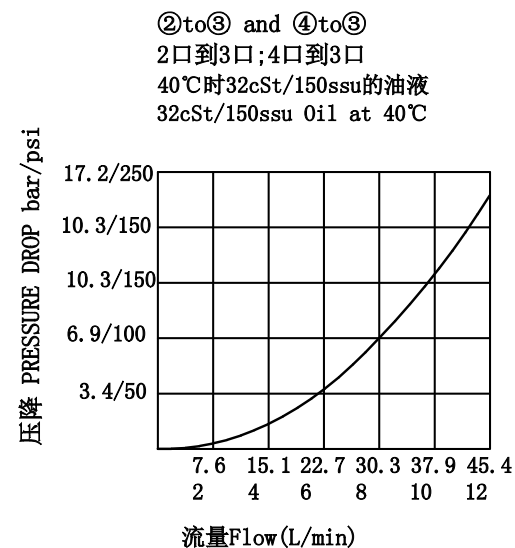
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSHS50-43 * * * P

BODY PORTING 阀块油口
0=只订购插装件 Cartridge Only
SAE6=6TS (45, 表面镀锌)
SAE6=6TD (QT)
钢制或球墨铸铁阀块最大工作压力345bar
Steel and Ductile Iron Valve blocks up to 345 bar

密封材料 Sealing material
P=Polyurethane 聚氨酯

HRV-08

直动式溢流阀

Direct-Acting, Poppet-Type,
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.
当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

FEATURES

特性

- Fast response to pressure surges
- Hardened seat for long life
- Industry common cavity
- Compact size
- 迅速响应压力变化
- 阀座经硬质处理，耐用
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

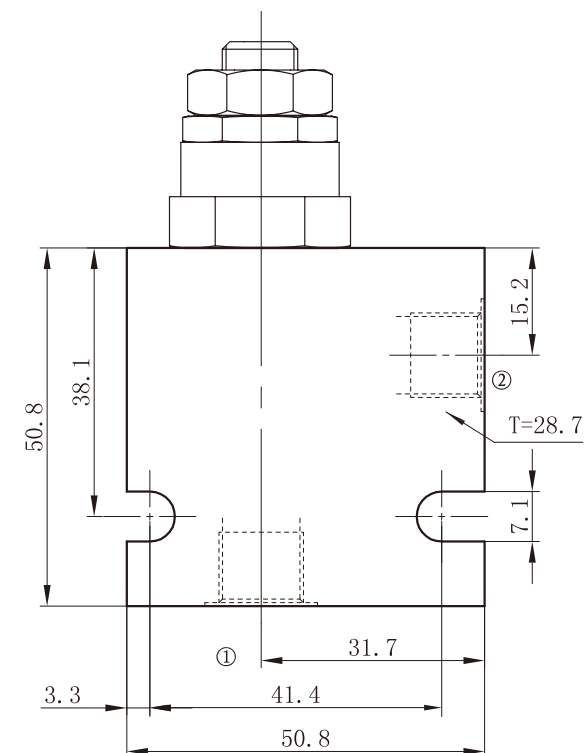
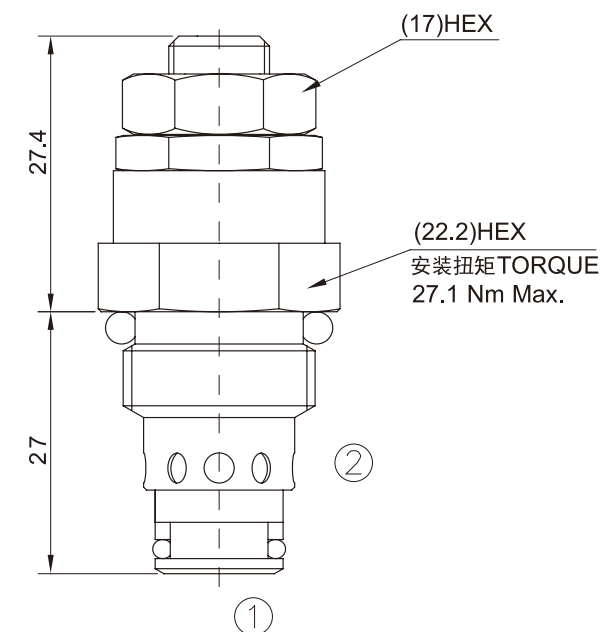
技术参数

最大工作压力(Max. Operating Pressure): 250Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 5 drops/min max. to 80% of normal setting
闭合压力(Reseat Pressure): 80% of crack pressure 开启压力
 (crack pressure at 0.95 lpm)
弹簧调压范围(Standard Spring Ranges): 40 to 250 bar
过滤(Filtration): ISO 19/17/14
介质温度(Temperature): -30 °C to +120°C
介质(Fluids): Mineral-based fluids.
 For other fluid compatibility, consult factory.
 矿物油,其它流体请咨询工厂。
插孔 Cavity: 08-2, See page 123 08-2, 参见 123 页
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6, 允许使用最大压力207Bar,
 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

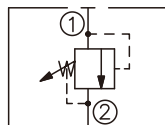
安装尺寸

Unit=Millimeters



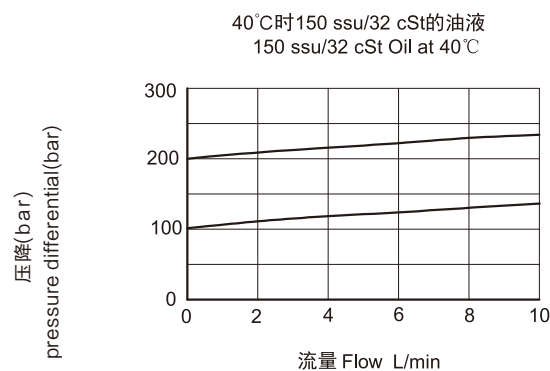
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HRV 08 * / * *

直动式溢流阀
Direct-Acting,
Relief Valve

08 规格 08 Size

弹簧调压范围 Spring Ranges
23=40-160 bar (580-2300psi)
36=80-250 bar (1150-3600psi)

阀块油口 Body Porting
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
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)

设定压力 Setting In Bar
例Example:0160=160bar
Omit for standard省略则为标准

HRV-08B

直动式溢流阀

Direct-Acting, Poppet-Type,
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.
当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

FEATURES

特性

- Fast response to pressure surges
- Hardened seat for long life
- Industry common cavity
- Compact size
- 迅速响应压力变化
- 阀座经硬质处理，耐用
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

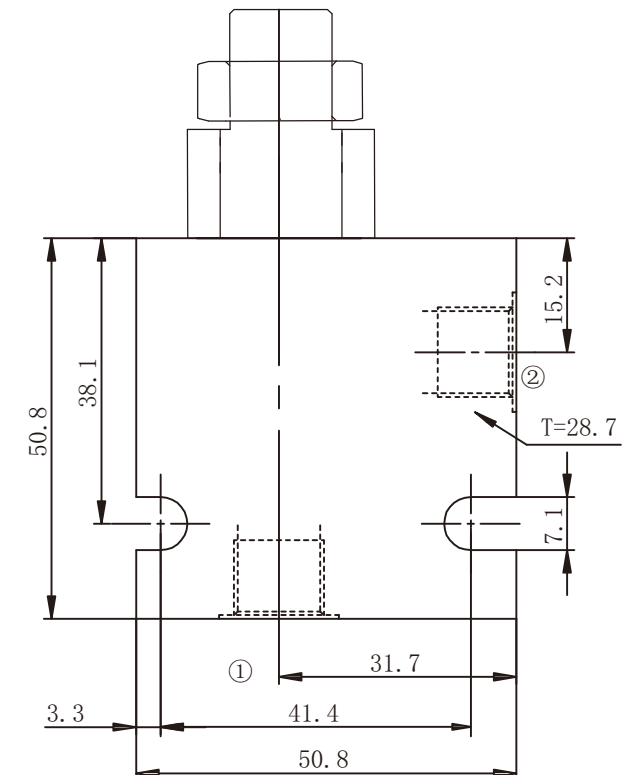
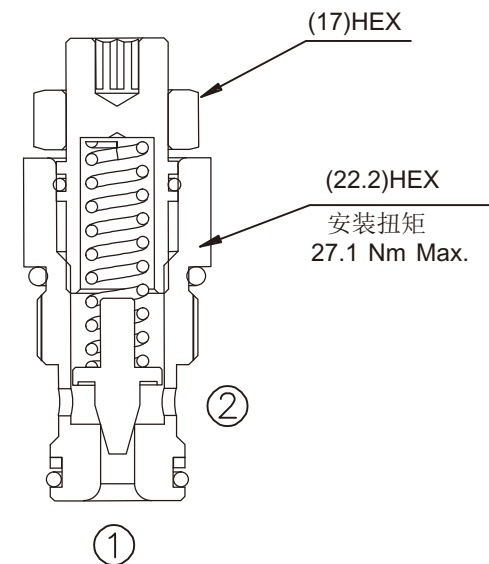
技术参数

最大工作压力 (Max. Operating Pressure): 350Bar
流量 (Flow): See PRESSURE DROP VS. FLOW graph.
内泄漏 (Internal Leakage): 5 drops/min max. to 80% of nominal setting
闭合压力 (Reseat Pressure): 80% of crack pressure 开启压力 (crack pressure at 0.95 lpm)
弹簧调压范围: (Standard Spring Ranges): 0 to 350 bar
过滤 (Filtration): ISO 19/17/14
介质温度 (Temperature): -30 °C to +120 °C
介质 (Fluids): Mineral-based fluids.
 For other fluid compatibility, consult factory.
 矿物油，其它流体请咨询工厂
插孔 (Cavity): 08-2B, see the page 125, 参见 125 页
阀块材料 (Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6, 允许使用最大压力 207Bar, 钢材允许最大压力 350bar

INSTALLATION DIMENSIONS

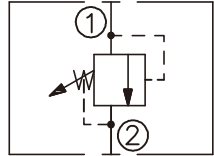
安装尺寸

Unit=Millimeters



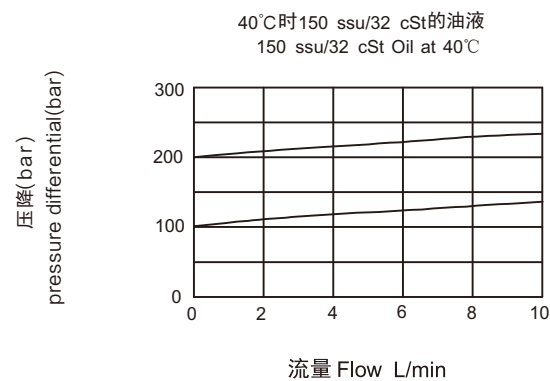
SYMBOL

机能符号

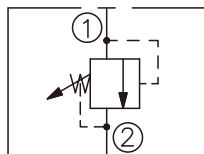


PRESSURE DROP VS. FLOW

性能图



HRV	08B	*	*	*
直动式溢流阀 Direct-Acting, Relief Valve	08 规格 08 Size	阀块油口 Body Porting 4T=SAE 4 6T=SAE 6 2G=G1/4 3G=G3/8 Other Porting is Available 其它螺纹油口也是可以选的 (Omit for Cartridge only 省略为不带阀块)	弹簧调压范围 Spring Ranges 35=0-350 bar (0-3600psi)	设定压力 Setting In Bar 例 Example: 0160=160bar Omit for standard 省略则为标准



40°C时150 ssu/32 cSt的油液
150 ssu/32 cSt Oil at 40°C

压降(bar)
pressure differential(bar)

流量Flow L/min

流量 Flow (L/min)	Pressure Drop 1 (bar)	Pressure Drop 2 (bar)	Pressure Drop 3 (bar)	Pressure Drop 4 (bar)
0	207	69	34.5	17.25
11.4	229.5	75.75	38.25	19.5
22.7	252	82.5	42	21.75

直动式溢流阀

Direct-Acting, Poppet-Type, Cartridge Relief Valve

OPERATION 工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.

当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

FEATURES

- Adjustments cannot be backed out of the valve
- Smooth response to pressure surges
- Industry common cavity
- Compact size

SPECIFICATIONS 技术参数

最大工作压力(Max. Operating Pressure): 250Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 5 drops/min max. to 80% of nominal setting

闭合压力(Reseat Pressure): 80% of crack pressure 开启压力
(crack pressure at 0.95 lpm)

弹簧调压范围(Standard Spring Ranges):

	4 to 35 bar
	7 to 76 bar
	17.2 to 159 bar
	17.2 to 250 bar

过滤(Filtration): ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油, 其它流体请咨询工厂.

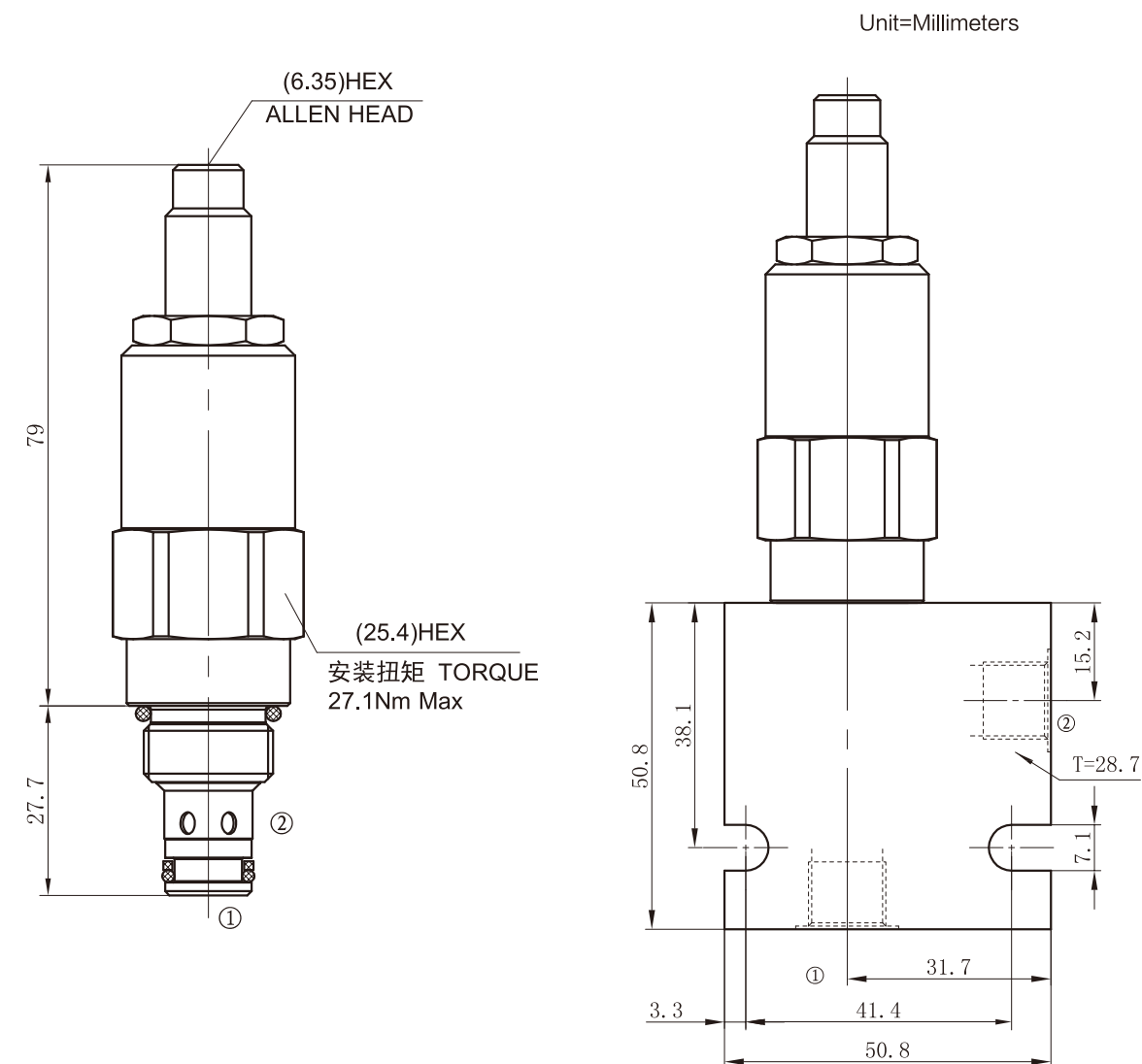
插孔 Cavity: 08-2, See page 123 08-2, 参见 123 页

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6, 允许使用最大压力 207Bar, 钢材允许最大压力 350bar

INSTALLATION DIMENSIONS

安裝尺寸



HADR V								08	*	*	/	*	*	*
直动式溢流阀 Direct-Acting,Relief Valve		08 规格 08 Size		弹簧调压范围 Spring Ranges 5=4-35 bar (58-500psi) 11=7-76 bar (100-1100psi) 23=17.2-159 bar (250-2300psi) 36=17.2-250 bar (250-3600psi)		调节方式 Adjustment 省略为内六角调节杆 (Omit for 1/4 Hex Allen head)		阀块油口 Body Porting 4T=SAE4 6T=SAE6 2G=G1/4 3G=G3/8 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)						
								设定压力 Setting In Bar 例Example:0160=160bar Omit for standard省略则为标准						

HADRV-10

直动式溢流阀

Direct-Acting, Poppet-Type,
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.
当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

FEATURES

特性

- Adjustments cannot be backed out of the valve · 调节杆不会被旋出
- Fast response to pressure surges · 迅速响应压力变化
- Industry common cavity · 工业通用插孔
- Compact size · 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 227Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 5 drops/min max. to 80% of nominal setting
闭合压力(Reseat Pressure): 80% of crack pressure 开启压力
(crack pressure at 0.95 lpm)
弹簧调压范围(Standard Spring Ranges): 3.4 to 41 bar
10 to 82.7 bar
17 to 159 bar
18 to 227 bar

过滤(Filtration): ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂.

插孔 Cavity: 10-2

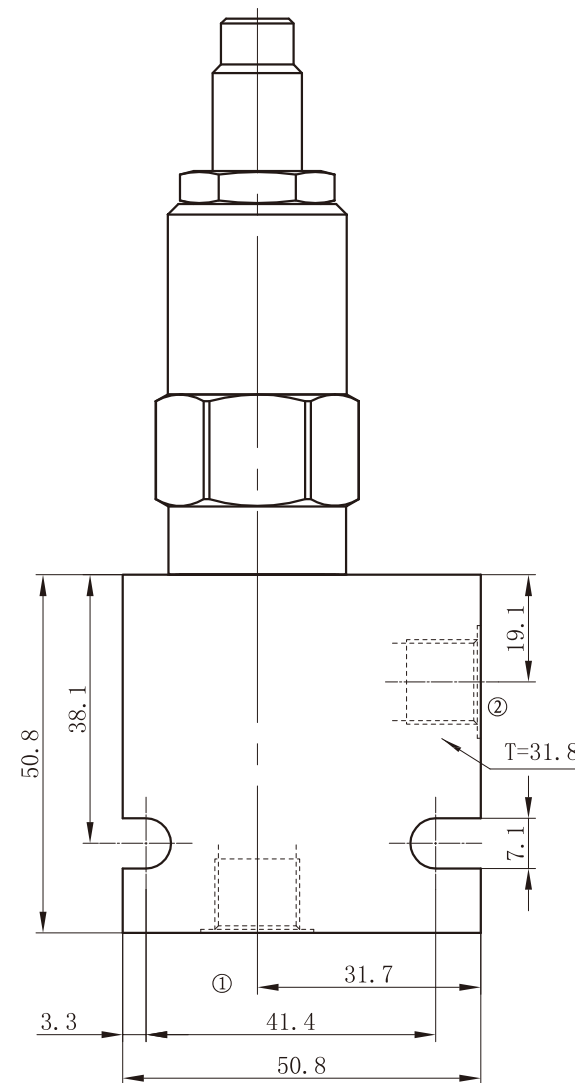
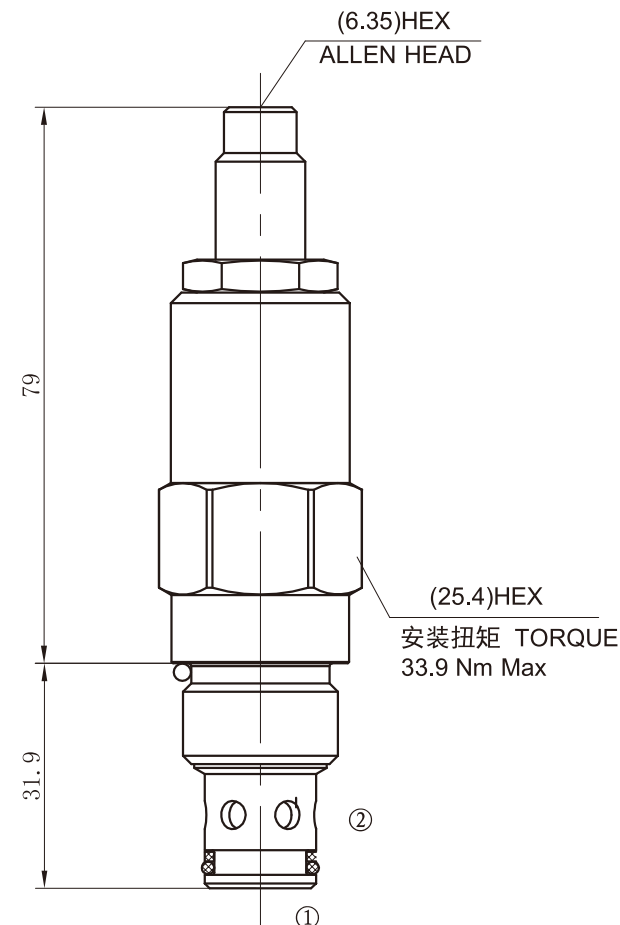
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

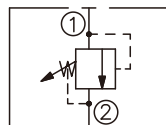
安装尺寸

Unit=Millimeters



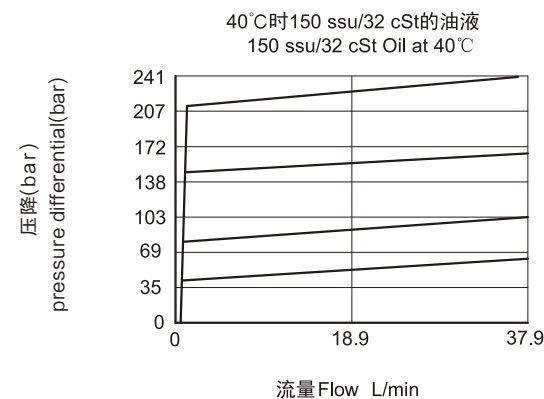
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HADRV 10 * * / * *		
直动式溢流阀 Direct-Acting,Relief Valve		
10 规格 10 Size		
弹簧调压范围 Spring Ranges 6=3.4-41 bar (50-600psi) 12=10-82.7 bar (150-1200psi) 23=17-159 bar (250-2300psi) 33=18-227 bar (260-3300psi)		
调节方式 Adjustment 省略为内六角调节杆 (Omit for 1/4 Hex Allen head)		
阀块油口 Body Porting 6T=SAE6 3G=G3/8 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)		
设定压力 Setting In Bar 例Example:0160=160bar Omit for standard省略则为标准		

HDRV-08

差动式溢流阀

Direct-Acting, Poppet-Type,
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ② to ① until the set crack pressure at ② is achieved. The poppet then unseats allowing flow from ② to ① protecting the circuit from over pressurization.
当在②口的压力超过调压弹簧设定的压力时，阀芯打开，②到①通，防止系统过压。

FEATURES

特性

- Adjustments cannot be backed out of the valve · 调节杆不会被旋出
- Smooth response to pressure surges · 平滑响应压力变化
- Industry common cavity · 工业通用插孔
- Compact size · 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 248Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 5 drops/min max. to 80% of nominal setting
闭合压力(Reseat Pressure): 80% of crack pressure 开启压力
 (crack pressure at 0.95 lpm)
弹簧调压范围(Standard Spring Ranges): 3.5 to 27.5 bar
 6.9 to 48.3 bar
 10.3 to 89.6 bar
 17.3 to 248 bar

过滤(Filtration): ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂.

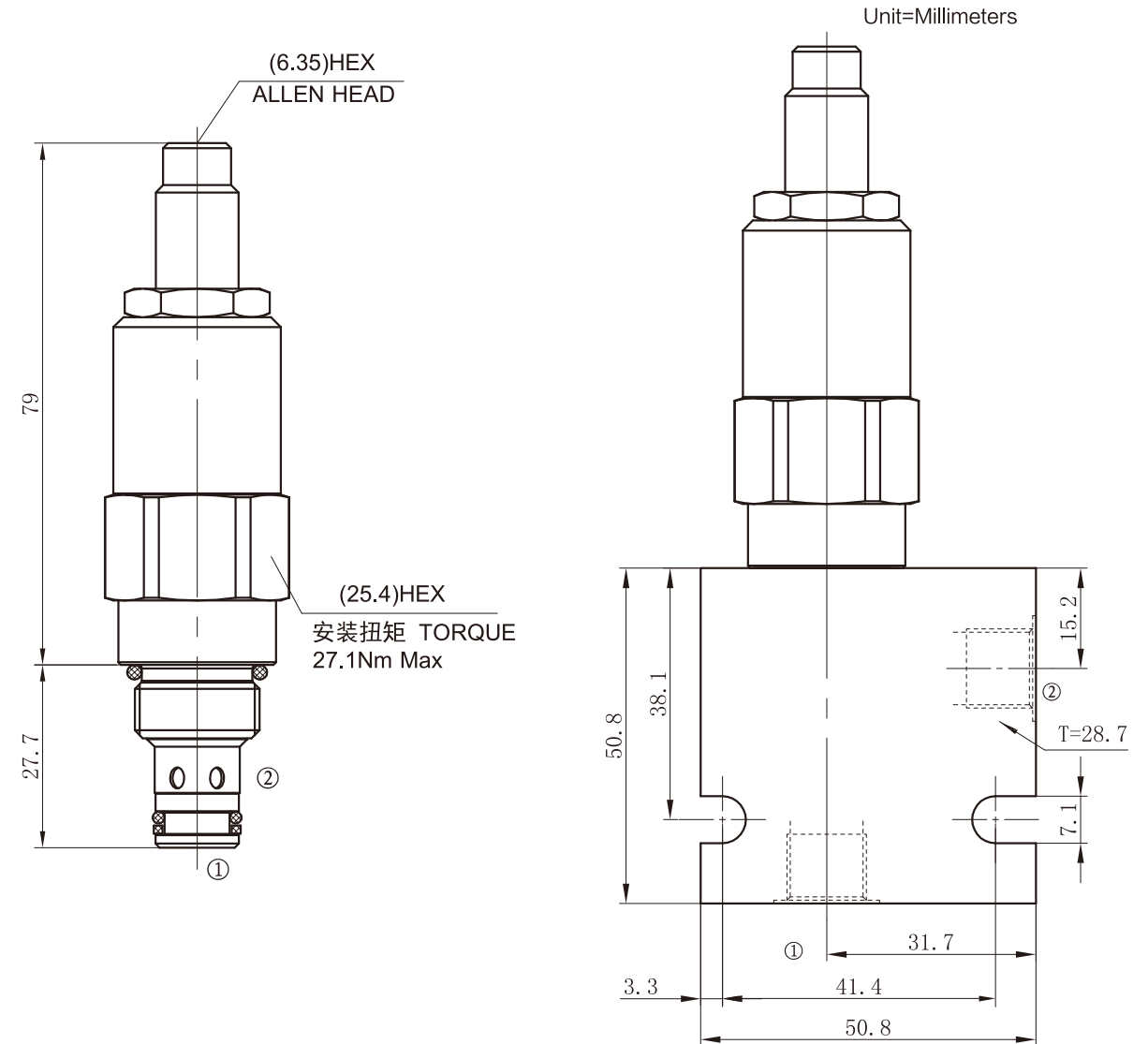
插孔 Cavity: 08-2

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

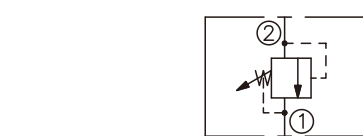
6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

安装尺寸

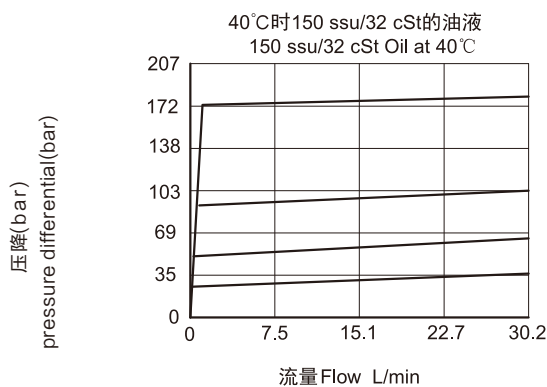


SYMBOL



PRESSURE DROP VS.FLOW

性能图



差动式溢流阀

Direct-Acting, Differential Area,
Relief Valve

08 规格 08 Size

弹簧调压范围 Spring Ranges
 4=3.5-27.5 bar (50-400psi)
 7=6.9-48.3 bar (100-700psi)
 13=10.3-89.6 bar (150-1300psi)
 36=17.2-248 bar (250-3600psi)

调节方式 Adjustment

省略为内六角调节杆

(Omit for 1/4 Hex Allen head)

阀块油口 Body Porting

4T=SAE4

6T=SAE6

2G=G1/4

3G=G3/8

Other Porting is Available

其它螺纹油口也是可以选的

(Omit for Cartridge only

省略为不带阀块)

设定压力 Setting In Bar

例Example:0160=160bar

Omit for standard省略则为标准

HDRV-10

差动式溢流阀

Direct-Acting, Poppet-Type,
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ② to ① until the set crack pressure at ② is achieved. The poppet then unseats allowing flow from ② to ① protecting the circuit from over pressurization.
当在②口的压力超过调压弹簧设定的压力时，阀芯打开，②到①通，防止系统过压。

FEATURES

特性

- Adjustments cannot be backed out of the valve · 调节杆不会被旋出
- Smooth response to pressure surges · 平滑响应压力变化
- Industry common cavity · 工业通用插孔
- Compact size · 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 207Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 5 drops/min max. to 80% of normal setting
闭合压力(Reseat Pressure): 80% of crack pressure 开启压力
 (crack pressure at 0.95 lpm)
弹簧调压范围(Standard Spring Ranges): 3.4 to 41 bar
 10 to 82.7 bar
 17 to 159 bar
 20 to 207 bar

过滤(Filtration): ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids
 For other fluid compatibility, consult factory.
 矿物油, 其它流体请咨询工厂。

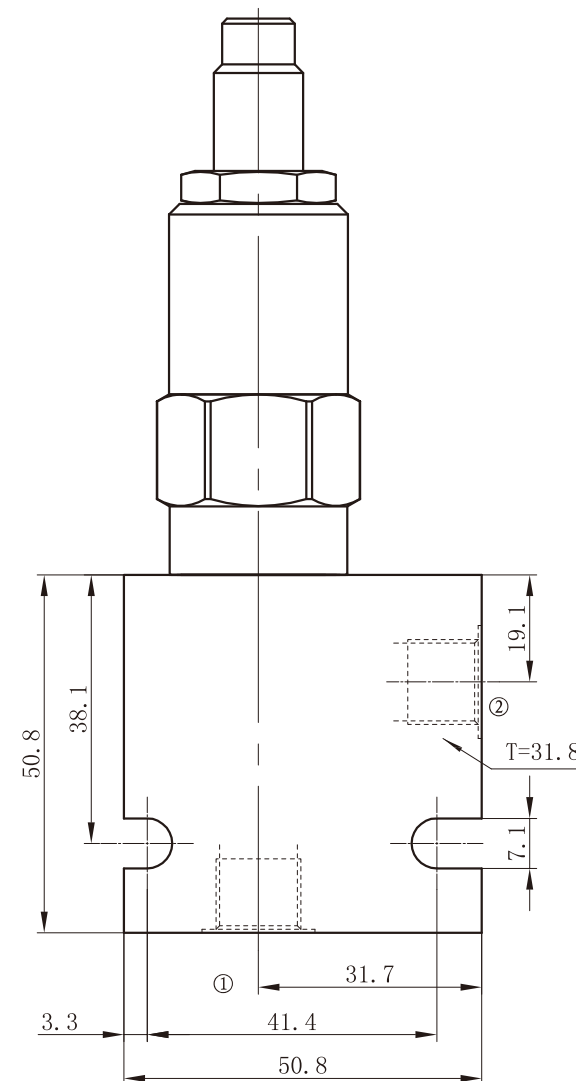
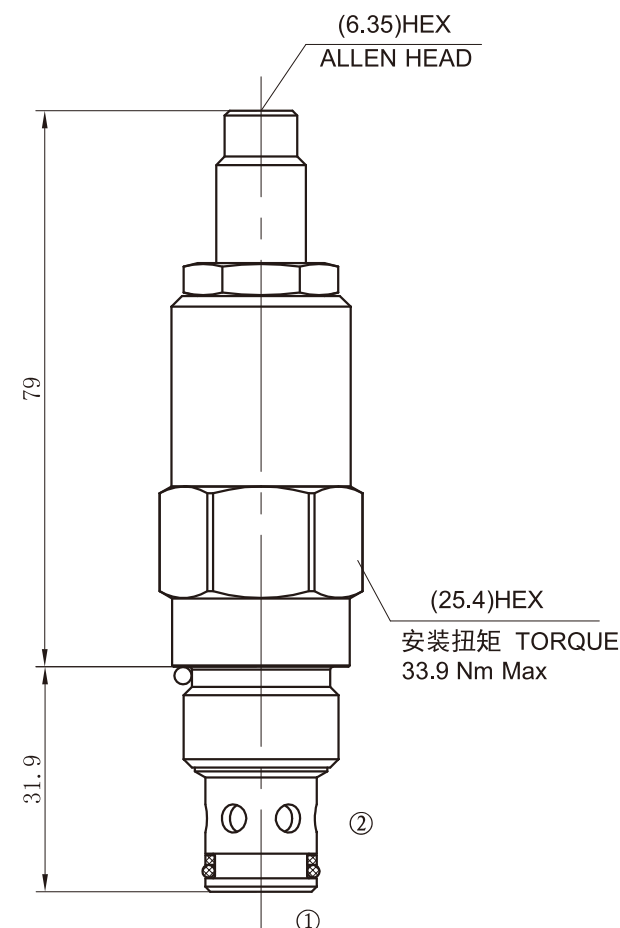
插孔 Cavity: 10-2

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6, 允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

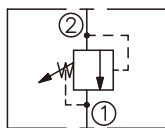
安装尺寸

Unit=Millimeters



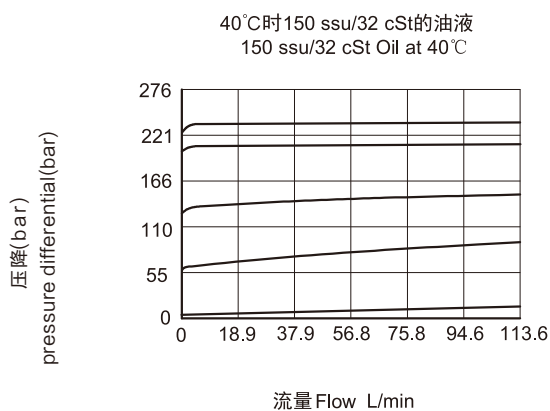
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HDRV 10 * * / * *									
差动式溢流阀 Direct-Acting, Differential Area, Relief Valve	10 规格 10 Size	弹簧调压范围 Spring Ranges 6=3.4-41 bar (50-600psi) 12=10-82.7 bar (150-1200psi) 23=17-159 bar (250-2300psi) 30=20-207 bar (290-3000psi)	调节方式 Adjustment 省略为内六角调节杆 (Omit for 1/4 Hex Allen head)	阀块油口 Body Porting 6T=SAE6 3G=G3/8 Other Porting is Available 其它螺纹油口也是可以选的 (Omit for Cartridge only 省略为不带阀块)	设定压力 Setting In Bar 例Example:0160=160bar Omit for standard省略则为标准				

HSRDDA

溢流阀

Direct-Acting, Poppet-Type,
Relief Valve

OPERATION

工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.
当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压，这种阀对压力反应灵敏。

FEATURES

特性

- Fast response to pressure surges
- Hardened seat for long life
- Industry common cavity
- Compact size
- 迅速响应压力变化
- 阀座经硬质处理，耐用
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

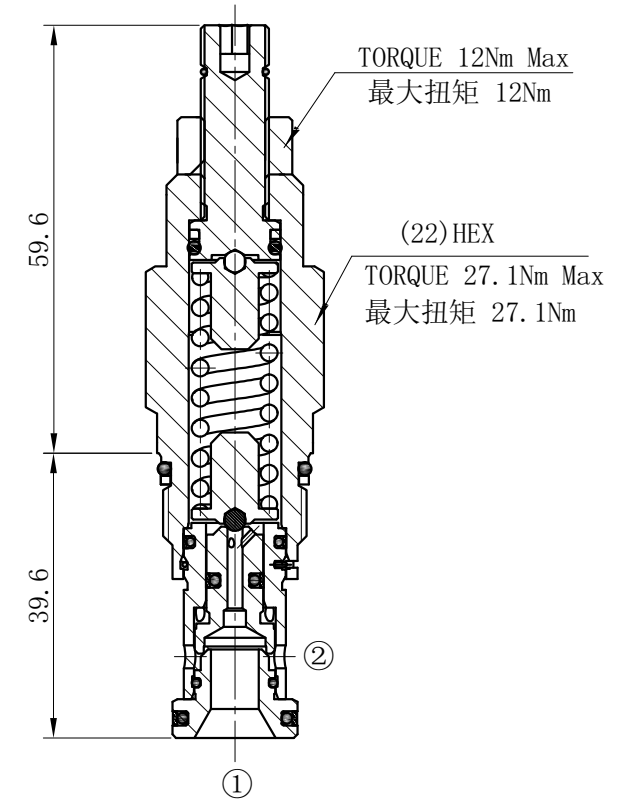
技术参数

最大工作压力 (Max. Operating Pressure): 350Bar
流量 (Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏 (Internal Leakage): 10 drops/min max. to 80% of normal setting
闭合压力 (Reseat Pressure): 90% of crack pressure 开启压力 (crack pressure at 0.95 lpm)
弹簧调压范围: (Standard Spring Ranges): 35 to 210 bar
 55 to 315 bar
过滤 (Filtration): ISO 19/17/14
介质温度 (Temperature): -30 °C to +120 °C
介质 (Fluids): Mineral-based fluids.
 For other fluid compatibility, consult factory.
 矿物油，其它流体请咨询工厂
插孔 (Cavity): HSRDDA : SUNT-10A;
 HSRDFA : SUNT-3A
阀块材料 (Body Material): 6061-T6 aluminum alloy rated at 207bar,
 Steel rated at 350bar
 6061-T6, 允许使用最大压力 207Bar, 钢材允许最大压力 350bar

INSTALLATION DIMENSIONS

安装尺寸

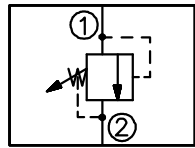
Unit=Millimeters



HSRDDA

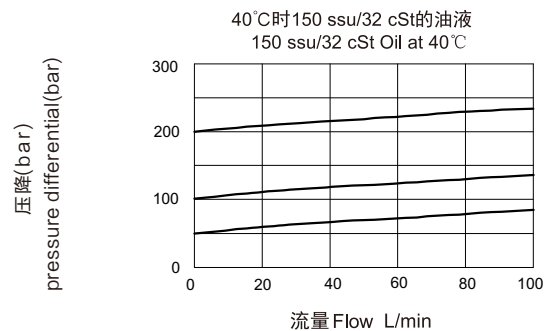
SYMBOL

机能符号



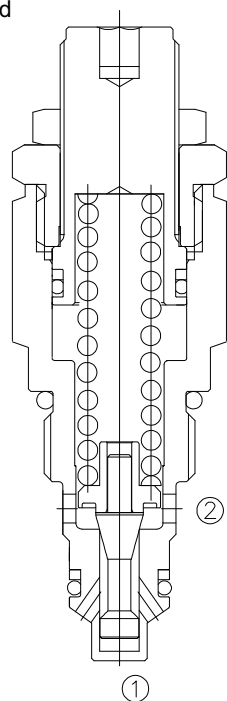
PRESSURE DROP VS.FLOW

性能图



HSRD				A				L				W			
溢流阀 Relief Valve				油封 SEAL KITS				调压范围 Spring Range				标准设定压力 70bar Preset:70bar			
流量 FLOW				N Buan-N(标准型)				A 35-210bar				W 55-315bar			
D 90L/min				V Viton				标准设定压力 70bar Preset:70bar				L= 螺杆 Standard Screw Adjustment			
F 200L/min															

标准型 /standard



HSRVC0.S08

直动式溢流阀

Adjustable, Direct-Acting
Cartridge Relief Valve

OPERATION

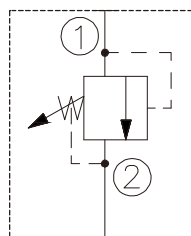
工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.

当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

SYMBOL

机能符号



FEATURES

特性

Fast response to pressure surges	迅速响应压力变化
Hardened poppet and seat for long life	长寿命的阀
Industry common cavity	工业通用插孔
Compact size	紧凑结构
Quiet response	无噪音响应

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar			
流量 Flow rate(L/min): 参见性能图 See Pressure Drop VS.Flow graph.			
内泄漏 Internal Leakage: 5drops/min. MAX.to 80% of nominal setting			
闭合压力 Reseat Pressure : 90% of crack pressure (crack pressure at 0.95gpm)			
弹簧调压范围 : (Standard Spring Ranges): Y 15 to 60 bar Preset=30Bar			
N 25 to 135 bar Preset=60Bar			
B 50 to 220 bar Preset=110Bar			
G 120 to 350bar Preset=200Bar			

介质温度 (Fluid temperature range): -30 ° C to +120 ° C

介质 Fluids: 矿物油。其它流体请咨询工厂。

Mineral-based fluids .

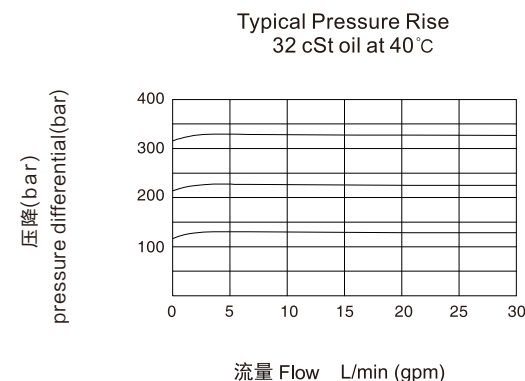
For other fluid compatibility,consult factory .

插孔 Cavity: 08-2

阀块材料 Body Material :

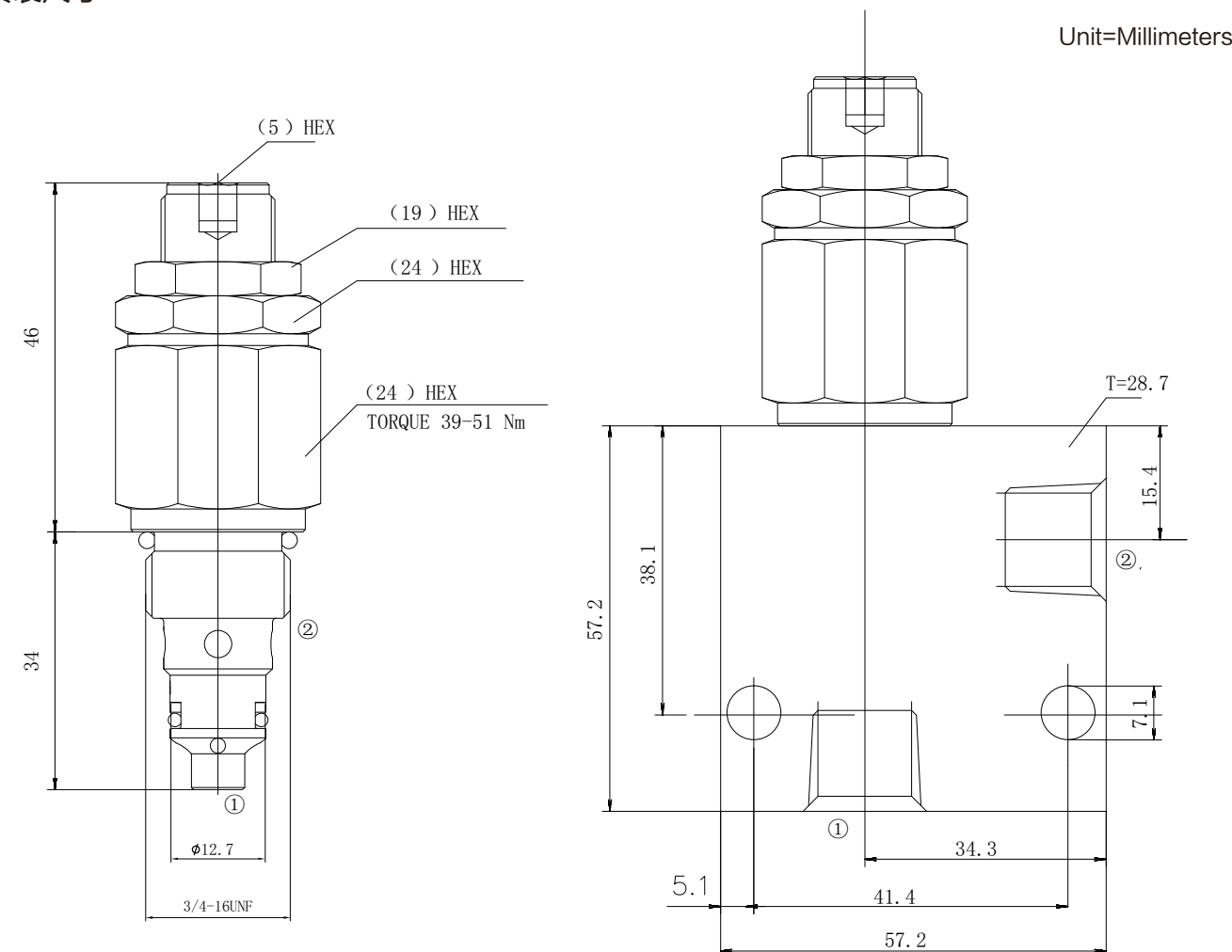
钢材允许使用最大压力 350bar

Steel rated to 350bar



INSTALLATION DIMENSIONS

安装尺寸



HSRVC0 - S08 - 0 - * - * - *

直动式溢流阀
Adjustable, Direct-Acting

Cartridge Relief Valve
插孔: Cavity

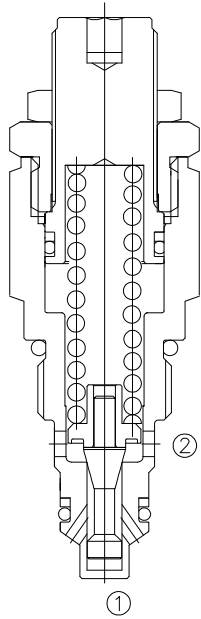
S08=3/4-16UNF with 12.7 nose size
弹簧调压范围: SPRING RANGE

Y=220~870psi (15-60bar)	preset: 400psi (30bar)
N=360~1950psi (25-135bar)	preset: 800psi (60bar)
B=730~3200psi (50-220bar)	preset: 1600psi (110bar)
G=1750~5000psi (120-350bar)	preset: 2900psi (200bar)

BODY PORTING 阀块油口
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
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)

设定压力: Pressure setting in (bar)
00= 无要求; NO specific setting required

标准型 /standard



HSRVC0.S10

直动式溢流阀

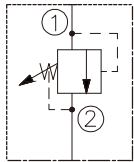
Adjustable, Direct-Acting
Cartridge Relief Valve

OPERATION 工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.

当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

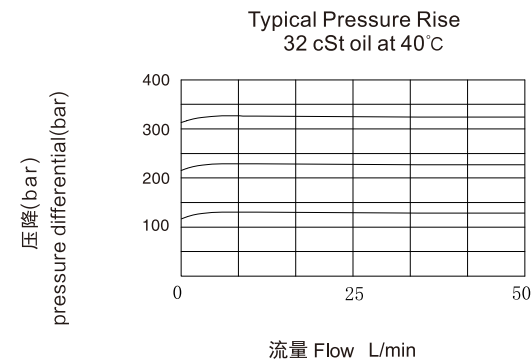
SYMBOL 机能符号



FEATURES 特性

Fast response to pressure surges	迅速响应压力变化
Hardened poppet and seat for long life	长寿命的阀
Industry common cavity	工业通用插孔
Compact size	紧凑结构
Quiet response	无噪音响应

PRESSURE DROP VS.FLOW 性能图

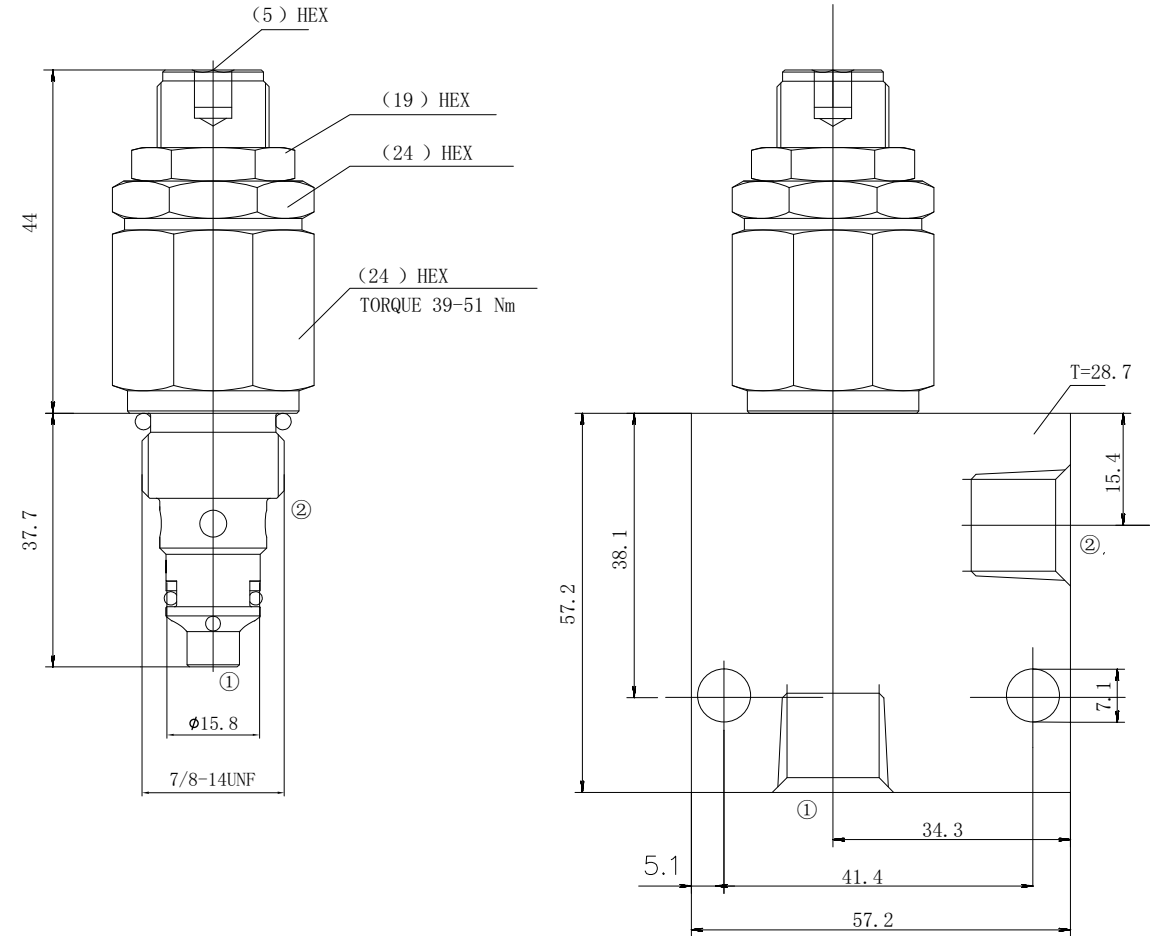


SPECIFICATIONS 技术参数

最大工作压力 (Max. Operating Pressure): 350Bar
流量 Flow rate(L/min): 参见性能图 See Pressure Drop VS.Flow graph.
内泄漏 Internal Leakage: 5drops/min. MAX.to 80% of nominal setting
Reseat Pressure: Nominal 80% of crack pressure
 (crack(set)pressure at 5lpm/1.25gpm)
弹簧调压范围: (Standard Spring Ranges): Y 15 to 60 bar Preset=30Bar
 N 25 to 135 bar Preset=60Bar
 B 50 to 220 bar Preset=110Bar
 G 120 to 350bar Preset=200Bar
介质温度 (Fluid temperature range): -30 °C to +120 °C
介质 Fluids: 矿物油。其它流体请咨询工厂。
 Mineral-based fluids。
 For other fluid compatibility,consult factory。
插孔 Cavity: 10-2
阀块材料 Body Material:
 钢材允许使用最大压力 350bar
 Steel rated to 350bar

INSTALLATION DIMENSIONS 安装尺寸

Unit=Millimeters



HSRVC0	S10	0	*	*	*	*
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直动式溢流阀
Adjustable, Direct-Acting
Cartridge Relief Valve

插孔: Cavity
S10=7/8-14UNF with 15.8 nose size

弹簧调压范围: SPRING RANGE

Y=220~870psi (15-60bar) preset: 400psi (30bar)
 N=360~1950psi (25-135bar) preset: 800psi (60bar)
 B=730~3200psi (50-220bar) preset: 1600psi (110bar)
 G=1750~5000psi (120-350bar) preset: 2900psi (200bar)

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)

设定压力: Pressure setting in (bar)
00= 无要求: NO specific setting required

HSRVSO.S10

直动式溢流阀

Adjustable, Direct-Acting
Cartridge Relief Valve

OPERATION

工作原理

The valve prevents flow from ① to ② until the set crack pressure at ① is achieved. The poppet then unseats allowing flow from ① to ② protecting the circuit from over pressurization.

当在①口的压力超过调压弹簧设定的压力时，阀芯打开，①到②通，防止系统过压。

FEATURES

特性

Fast response to pressure surges
Hardened poppet and seat for long life
Industry common cavity
Compact size
Quiet response

迅速响应压力变化
长寿命的阀
工业通用插孔
紧凑结构
无噪音响应

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar

流量 (Flow): See PRESSURE DROP VS.FLOW graph.

内 漏 量 (Internal Leakage): 5drops/min. MAX.to 80% of nominal setting

Reseat Pressure :Nominal 80% of crack pressure

(crack(set)pressure at 5lpm/1.25gpm)

弹簧调压范围(Standard Spring Ranges): W 50 to 350 bar Preset=200Bar
N 5 to 110 bar Preset=60Bar
B 10 to 180 bar Preset=110Bar
G 10 to 240bar Preset=120Bar

温度 (Temperature): -30 °C to +120 °C

介质 (Fluids):Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油，其它流体请咨询工厂

插孔 (Cavity): 10-2

阀块材料 (Body Material):

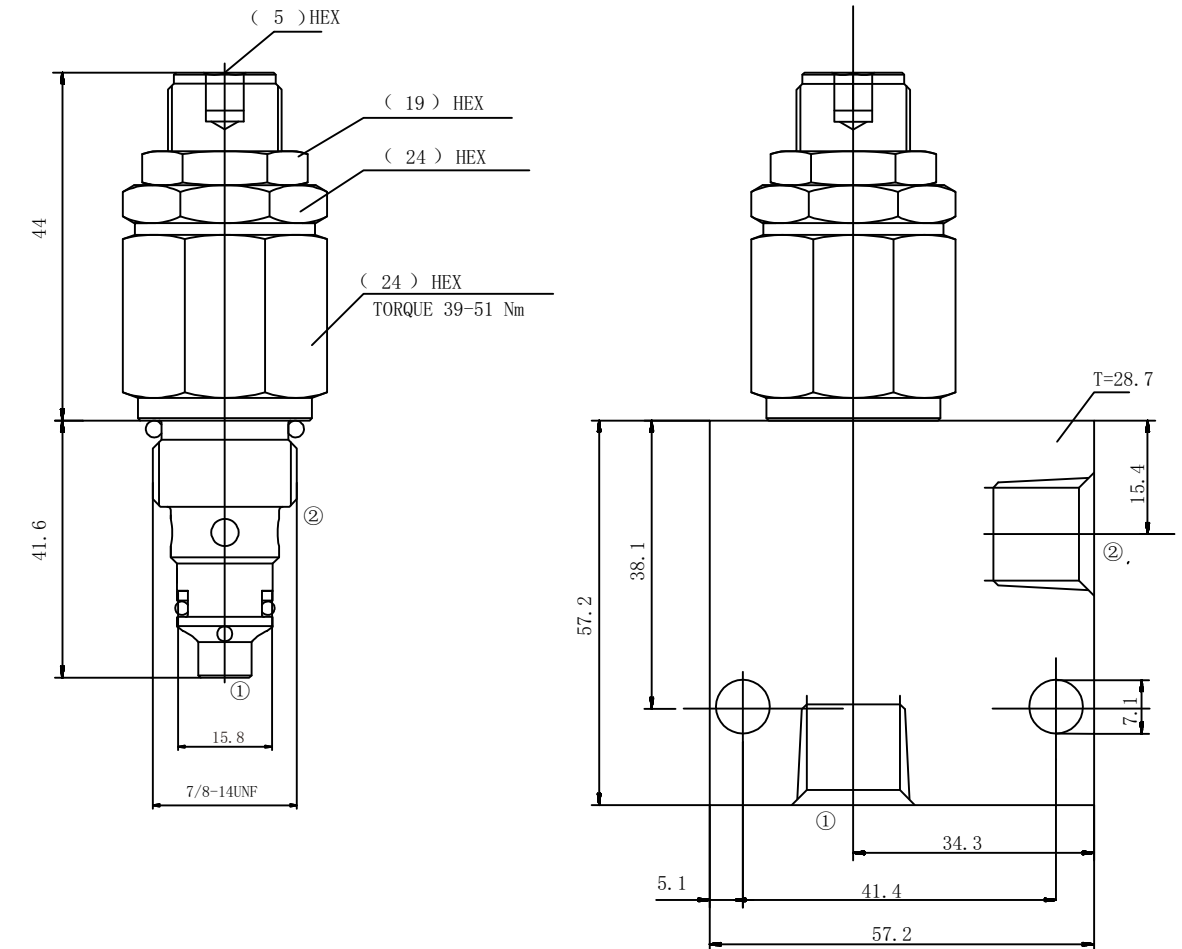
钢材允许使用最大压力 350bar

Steel rated to 350bar

INSTALLATION DIMENSIONS

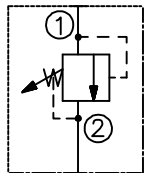
安装尺寸

Unit=Millimeters



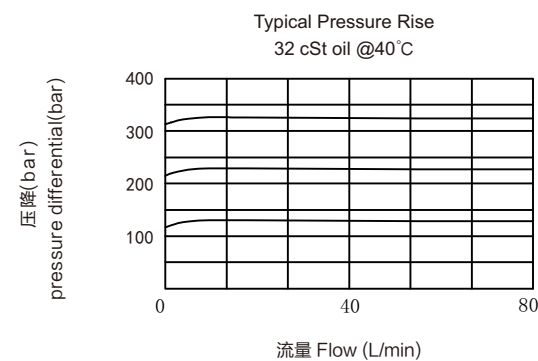
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSRVSO S10 0 * * *

直动式溢流阀
Cartridge Relief Valve

S10=7/8-14UNF with 15.8 nose size

弹簧调压范围:SPRING RANGE

(Standard Spring Ranges):

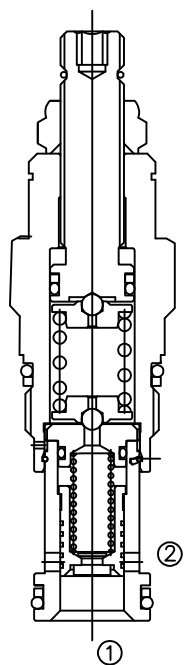
W 50 to 350 bar Preset=200Bar
N 5 to 110 bar Preset=60Bar
B 10 to 180 bar Preset=110Bar
G 10 to 240bar Preset=120Bar

BODY PORTING 阀块油口
6T=SAE6
8T=SAE8
3G=G3/8
4G=G1/2

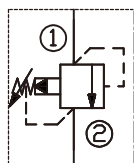
Other Porting is Available
其它螺纹油口也是可以选的
(Omit for Cartridge only
省略为不带阀块)

设定压力: Pressure setting in (bar)
00=无要求: NO specific setting required

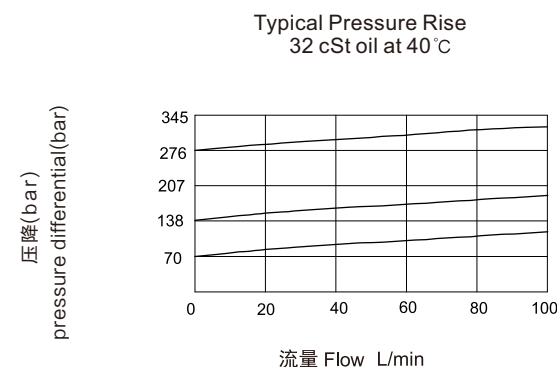
标准型 /standard



SYMBOL
机能符号



PRESSURE DROP VS.FLOW
性能图



HSRPEE

先导式溢流阀

**Pilot-Operated,Balanced
Piston Relief Valve**

OPERATION
工作原理

The valves are normally closed, pressure-limiting valves 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. Back pressure on the tank port ② is directly additive to the valve setting at a 1:1 ratio.

快速响应先导式滑阀型溢流阀用于保护系统的压力瞬时过载，快速启闭时仍能保持系统平稳性。当①口压力超过阀的设定时，①口到②口溢流过载，限制系统压力升高，该阀对压力反应灵敏。②口背压会按 1:1 叠加到阀的设定压力上。

FEATURES

特性

- Fast response to pressure surges 迅速响应压力变化
- Hardened poppet and seat for long life 长寿命的阀
- Industry common cavity 工业通用插孔
- Compact size 紧凑结构
- Not suitable for use in load holding applications due to spool leakage. 不适合用在保压系统中

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar
流量 Flow rate(L/min): 参见性能图 See Pressure Drop VS.Flow graph.
内泄漏 Internal Leakage: 30cc/min. at 70bar
工厂压力设定 Established at 4gpm(15l/min)
 工厂的设定是指溢流阀开启时（流量为 15L/min）的压力
弹簧调压范围 : (Standard Spring Ranges): A 7 to 210 bar Preset=70Bar
 B 3.5 to 105 bar Preset=70Bar
 C 10.5 to 420 bar Preset=70Bar
 D 1.7 to 55bar Preset=30Bar
 E 1.7 to 28 bar Preset=14Bar
 W 10.5 to 315 bar Preset=70Bar

介质温度 (Fluid temperature range): -30 °C to +120 °C
介质 Fluids: 矿物油。其它流体请咨询工厂。
 Mineral-based fluids 。
 For other fluid compatibility, consult factory 。

插孔 Cavity: SUNT-10A

阀块材料 Body Material :

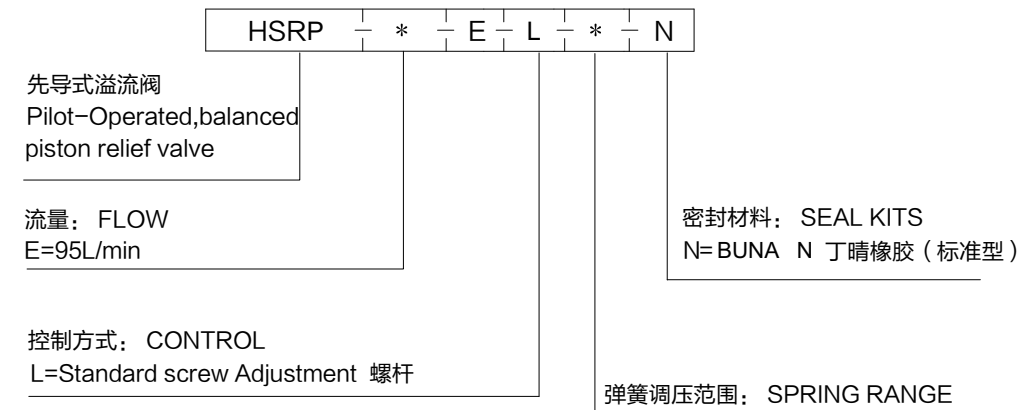
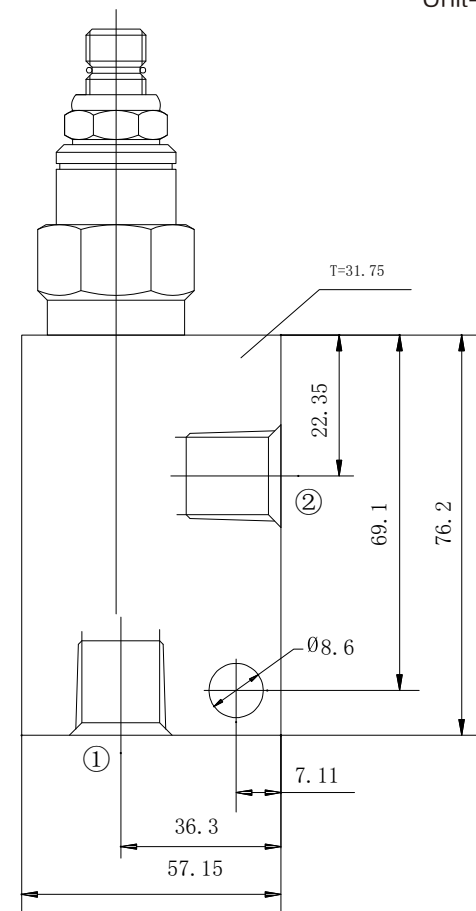
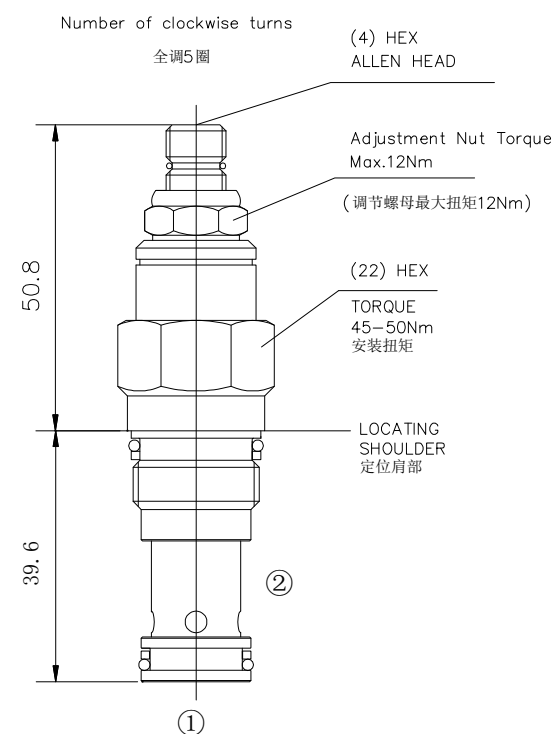
钢材允许使用最大压力 350bar

Steel rated to 350bar

INSTALLATION DIMENSIONS

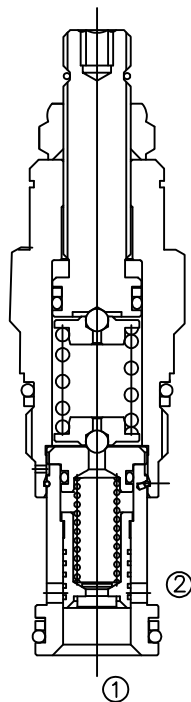
安装尺寸

Unit=Millimeters



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 (30bar)
 E=25~400psi (1.7~28bar) Preset: 200psi (14bar)
 W=150~4500psi (10.5~315bar) Preset: 1000psi (70bar)

标准型 /standard



HSRPGE

先导式溢流阀

Pilot-Operated,Balanced Piston Relief Valve

OPERATION

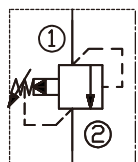
工作原理

The valves are normally closed, pressure-limiting valves 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. Back pressure on the tank port ② is directly additive to the valve setting at a 1:1 ratio.

快速响应先导式滑阀型溢流阀用于保护系统的压力瞬时过载，快速启闭时仍能保持系统平稳性。当①口压力超过阀的设定时，①口到②口溢流过载，限制系统压力升高，该阀对压力反应灵敏。②口背压会按 1:1 叠加到阀的设定压力上。

SYMBOL

机能符号



FEATURES

特性

- Fast response to pressure surges 迅速响应压力变化
- Hardened poppet and seat for long life 长寿命的阀
- Industry common cavity 工业通用插孔
- Compact size 紧凑结构
- Not suitable for use in load holding applications due to spool leakage. 不适合用在保压系统中

SPECIFICATIONS

技术参数

最大工作压力 (Max. Operating Pressure): 350Bar

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

内泄漏 Internal Leakage: 30ml/min. at 70bar

Factory Pressure Setting Established at 4gpm(15l/min)

工厂的设定是指溢流阀开启时（流量为 15L/min ）的压力

弹簧调压范围 : (Standard Spring Ranges):	A 7 to 210 bar	Preset=70Bar
	B 3.5 to 105 bar	Preset=70Bar
	C 10.5 to 420 bar	Preset=70Bar
	D 1.7 to 55bar	Preset=30Bar
	E 1.7 to 28 bar	Preset=14Bar
	W 10.5 to 315 bar	Preset=70Bar

介质温度 (Fluid temperature range): -30 ° C to +120 ° C

介质 Fluids: 矿物油。其它流体请咨询工厂。

Mineral-based fluids .

For other fluid compatibility, consult factory .

插孔 Cavity: SUNT-3A

阀块材料 Body Material :

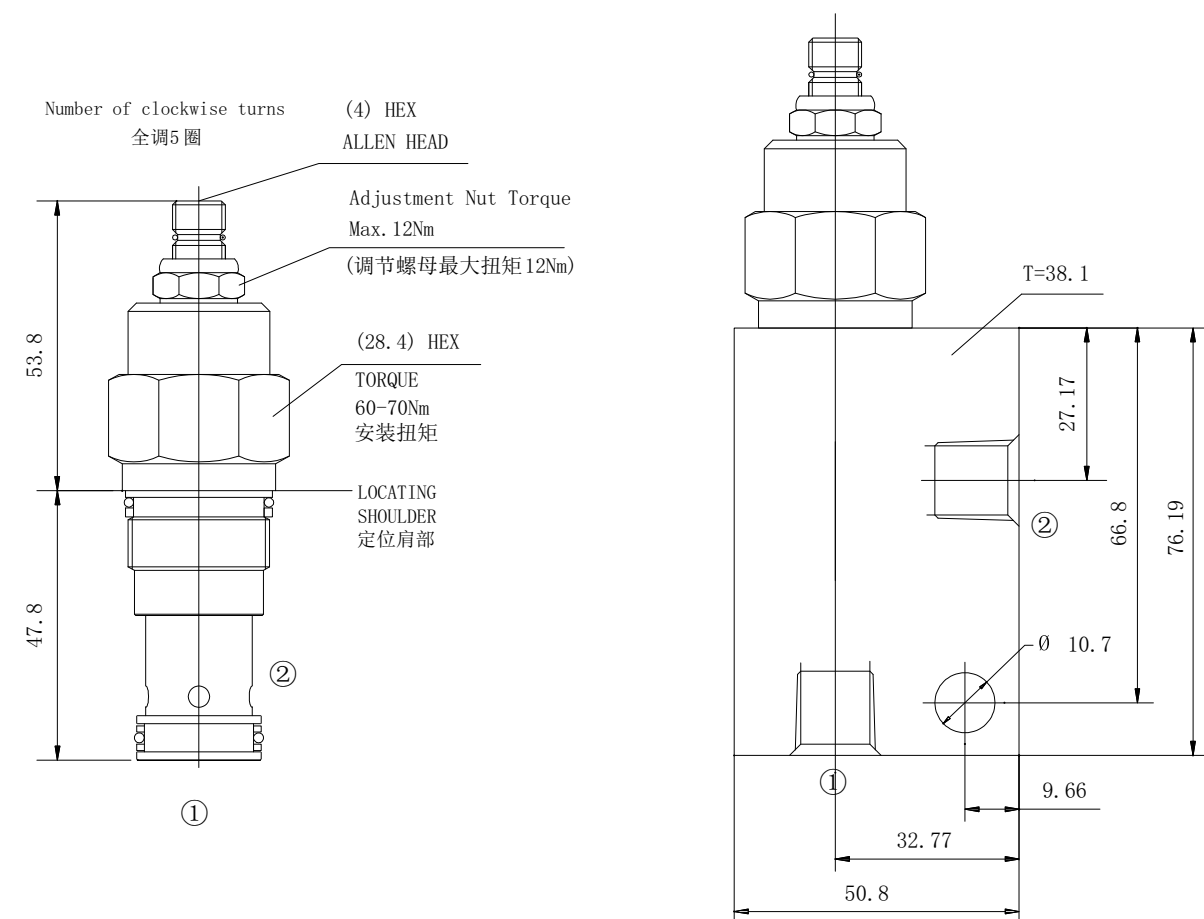
钢材允许使用最大压力 350bar

Steel rated to 350bar

INSTALLATION DIMENSIONS

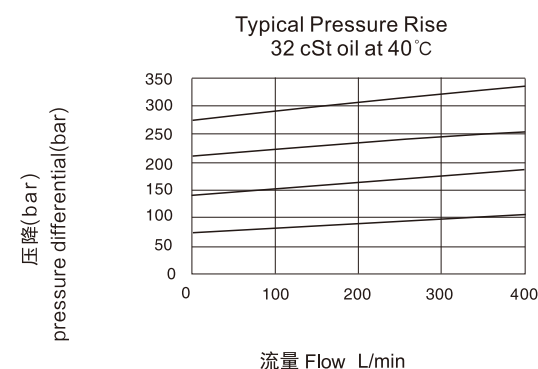
安装尺寸

Unit=Millimeters



PRESSURE DROP VS.FLOW

性能图



HSRP * E L * N

先导式溢流阀
Pilot-Operated,balanced
piston relief valve

流量: FLOW
G=200L/min

控制方式: CONTROL
L=Standard screw Adjustment 螺杆

密封材料: SEAL KITS
N=BUNA N 丁晴橡胶 (标准型)

弹簧调压范围: SPRING 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 (30bar)
E=25~400psi (1.7~28bar)	Preset: 200psi (14bar)
W=150~4500psi (10.5~315bar)	Preset: 1000psi (70bar)

标准型 /standard

HSIRA0.M18

直动式溢流补油阀

Direct-Acting,
Relief anti-cavitation Valve

OPERATION 工作原理

Flow is free from ① to ② until pressure increases to meet the selected valve setting, allowing relief flow through port ① to tank. This valve combines the typical function of shock relief valve (direct acting) and anticavitation function through the check valve. The direct action and the specific design allow a very fast opening and closing. Note: to obtain a good leak proof performance coin the cavity seat using a loose valve seat as a coning tool. Torque to be applied :4.5 ± 2 Nm.

液体从①口到②口自由流动，直到压力上升到符合所选阀的设置压力，允许通过①口溢流到油箱。结合溢流阀（直动）的典型功能和单向阀的补油功能。直动式和特殊设计使阀芯快速打开和关闭。注意：为了得到良好的防泄漏性能，使阀座结合活动阀芯作为一个密封副。要运用扭矩：4.5 ± 2Nm 调节，定值设置。

FEATURES 特性

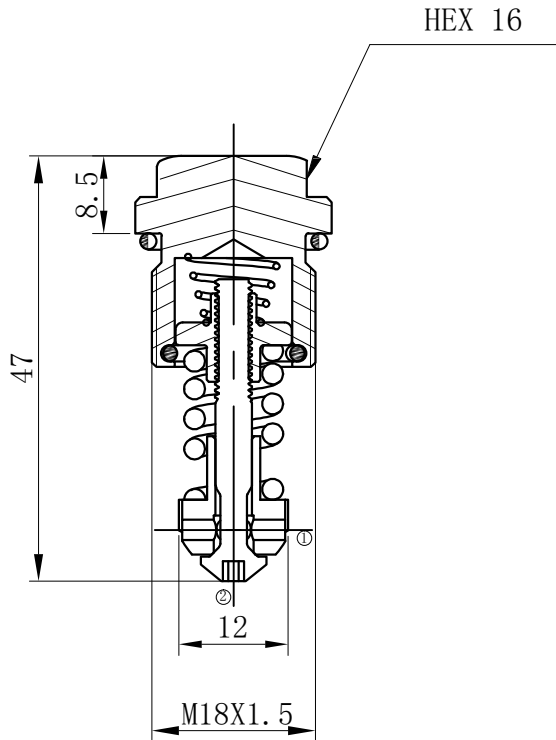
- Hardened seat for long life 长寿命的阀
- Low Leakage 低泄漏
- Compact size 结构紧凑

SPECIFICATIONS 技术参数

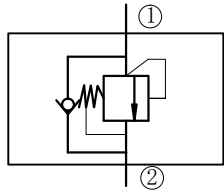
最大工作压力 Max. Operating Pressure): 350Bar
流量 Flow rate(L/min): 参见性能图 See Pressure Drop VS.Flow.
内泄漏 Internal Leakage: 10drops/min max. to 80% of nominal set point.
介质温度范围 (° C)Fluid temperature range(° C): -20 ° C to +70 ° C
过滤 Filtration:
Critical Aplication – ISO 18/16/13
Non–Critical Aplication – ISO 19/17/14
介质 Fluids : 矿物油。其它流体请咨询工厂。
Mineral-based fluids 。
For other fluid compatibility,consult factory 。
插孔 Cavity : VH002
阀块材料 Body Material :
6061–T6 铝，允许使用最大压力 207bar
钢材允许使用最大压力 350bar
6061–T6aluminum alloy rated to 207bar
Steel rated to 350bar

INSTALLATION DIMENSIONS 安装尺寸

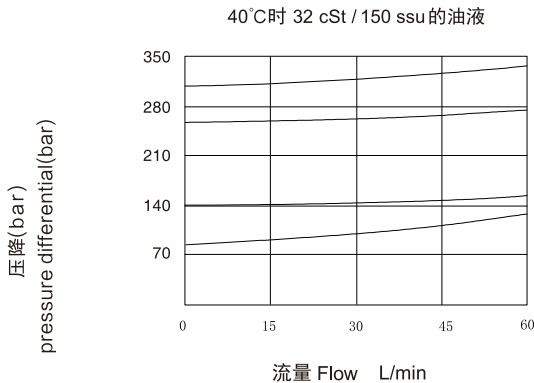
Unit=Millimeters



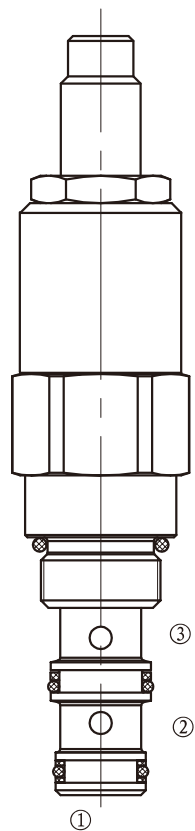
SYMBOL 机能符号



PRESSURE DROP VS.FLOW 性能图



HSIRA0 — M18 — 0 — * — *				
溢流补油阀 Direct-Acting, Relief anti-cavitation Valve		Pressure setting in(bar) 设定压力值		
Cavity 插孔 M18=Metric M18x1.5		Spring range 弹簧调压范围 B=71-130 G=130-210 V=211-280 W=281-350		
Marking 标记 0=Standard factory marking				



HDPR-08

直动式减压/溢流阀

Direct-Acting, Spool-Type
Pressure Reducing/ Relieving Valve

OPERATION

工作原理

In its steady state, the valve allows flow to pass bi-directionally from ② to ① with the spring chamber constantly drained at ③. On attainment of a pre-determined pressure at ①, the cartridge shifts to restrict input flow at ②, thereby regulating pressure at ①. In this mode, the valve will also relieve ① to ③ at approximately 10 bar over the reducing setting.

当在①口的压力超过弹簧设定的压力时，从②到①减压。弹簧腔内排到③口。当在①口的压力超过预设压力的10bar以上时，②口渐渐关闭，①到③口开始溢流。

FEATURES

特性

- Adjustments cannot be backed out of the valve · 调节杆不会被旋出
- Industry common cavity · 工业通用插孔
- Compact size · 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 207Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage):

from ② to ③ (内泄漏 ②到③) 82 ml/min max. at ΔP 207 bar

弹簧调压范围(Standard Spring Ranges): 3.5 to 20.7 bar

6.9 to 41.4 bar

20.7 to 82.8 bar

34.5 to 152 bar

过滤(Filtration): Critical Application – ISO 18/16/13

Non-Critical Application – ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂.

插孔 Cavity: 08-3

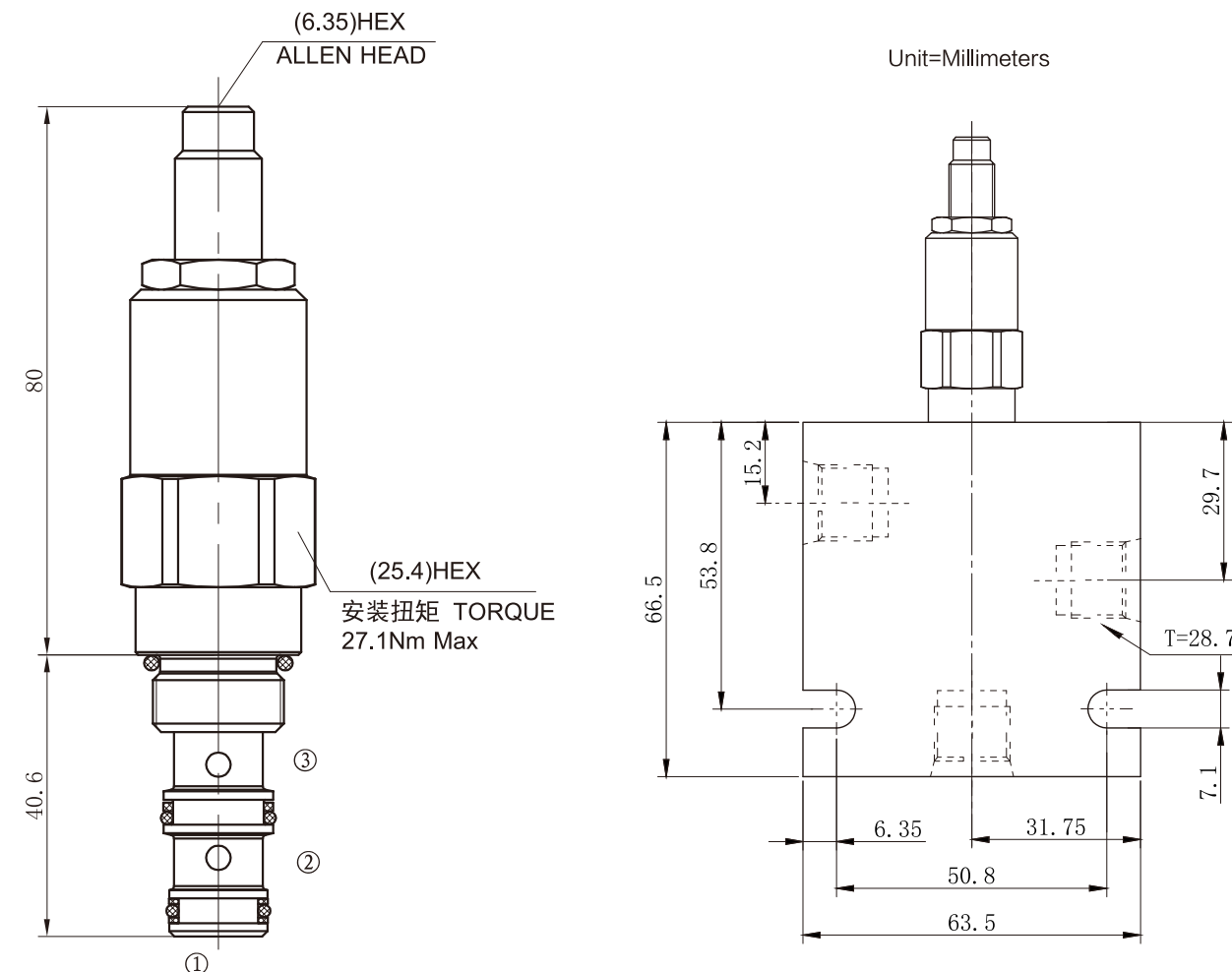
阀块材料(Body Material): 6061-T6 aluminum alloy rated to 207bar,

Steel rated to 350bar

6061-T6, 允许使用最大压力207Bar, 钢材允许最大压力350bar

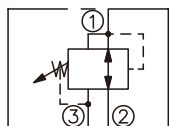
INSTALLATION DIMENSIONS

安装尺寸



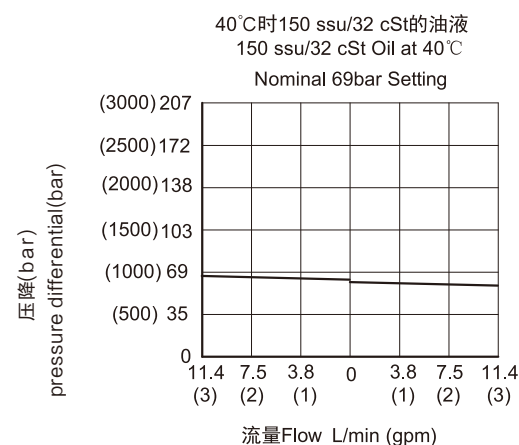
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HDPR - 08 - * - * / * - *

直动式减压/溢流阀
Direct-Acting, Pressure
Reducing/ Relieving Valve

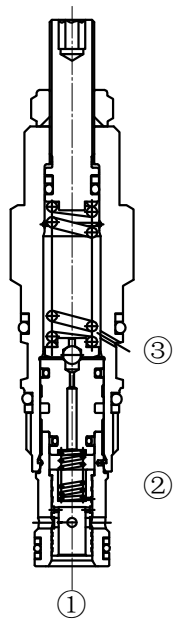
08 规格 08 Size

弹簧调压范围 Spring Ranges
3=3.5-20.7bar (50-300psi)
6=6.9-41.4 bar (100-600psi)
12=20.7-82.8 bar (300-1200psi)
22=34.5-152 bar (500-2200psi)

调节方式 Adjustment
省略为内六角调节杆
(Omit for 1/4 Hex Allen head)

阀块油口 Body Porting
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
Other Porting is Available
其它螺纹油口也是可以选的
(Omit for Cartridge only
省略为不带阀块)

设定压力 Setting In Bar
例Example:0160=160bar
Omit for standard省略则为标准



HSPBBB

先导式减压阀

Pilot Operated, Pressure Reducing Valve

OPERATION

工作原理

Pilot-operated, pressure reducing valves a high primary pressure at the inlet 2 to a constant reduced pressure at 1, allowing circuits with multiple pressure requirements to be operated using a single pump. Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 4500 psi. Minimum setting is 75psi for all spring ranges.

先导式减压阀将2口初始高压减到1口，1口可得稳定不变的压力值，满足单泵回路提供多级工作压力要求。油口3的压力按1:1叠加到阀的设定值上，且油口3的压力不应超过315bar。所有弹簧最小设定是5Bar。

FEATURES

特性

Fast response to pressure surges
Hardened poppet and seat for long life
Industry common cavity
Compact size

迅速响应压力变化
长寿命的阀
工业通用插孔
紧凑结构

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure): 350Bar

流量 (Flow): See PRESSURE DROP VS.FLOW graph.

弹簧调压范围 : (Standard Spring Ranges): A 5 to 210 bar
B 5 to 150bar

介质温度 (Temperature): -30 ° C to +120 ° C

过滤 Filtration: ISO 19/17/14

介质 Fluids : 矿物油。其它流体请咨询工厂。

Mineral-based fluids.

For other fluid compatibility, consult factory .

插孔 Cavity: T-163A

阀块材料 Body Material:

6061-T6铝，允许使用最大压力207bar钢材才允许使用最大压力350bar

6061-T6 aluminum alloy rated to 207bar, Steel rated to 350bar

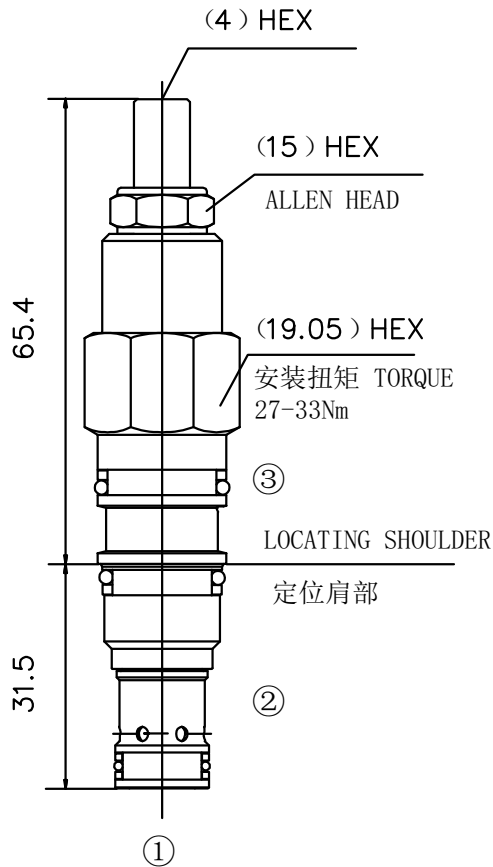
INSTALLATION DIMENSIONS

安装尺寸

Coil Must Be Installed With Lettering Up

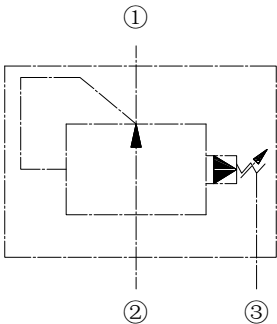
安装线圈时字母必须朝上

Unit=Millimeters



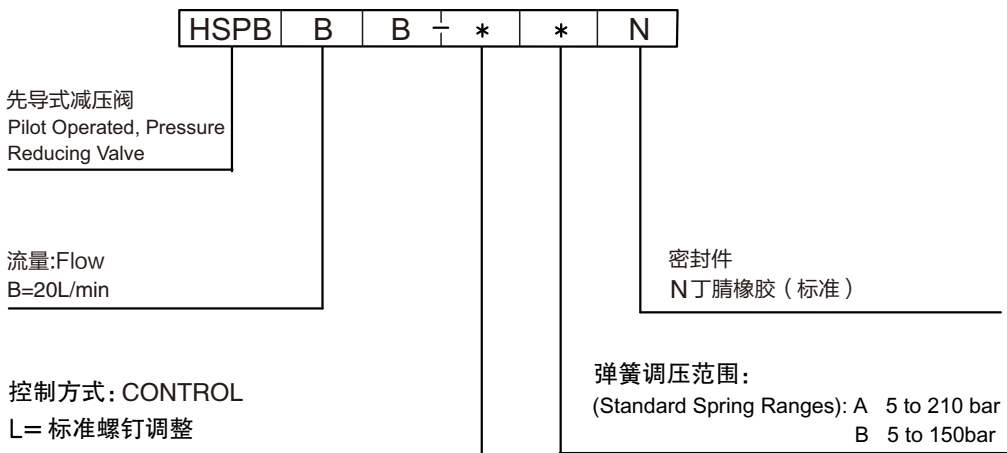
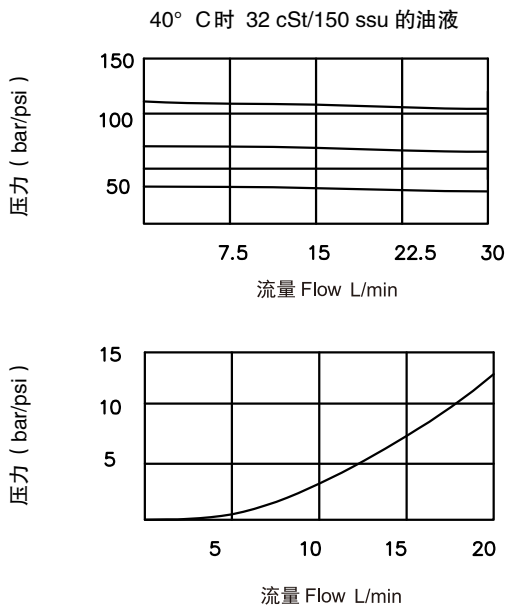
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HPS-08

顺序阀

Spool-Type, Sequence Valve
With Internal Pilot and Drain

OPERATION

工作原理

In its steady state, the valve blocks flow at ①, while allowing flow to pass from ② to ③. On attainment of a pre-determined pressure at ①, the cartridge shifts to open ① to ②.
在稳定状态, ①口与②口不通, ②到③通; 在①口的压力达到预设压力时, ①到②口打开。

FEATURES

特性

- Adjustments cannot be backed out of the valve · 调节杆不会被旋出
- Industry common cavity · 工业通用插孔
- Compact size · 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 207Bar
流量(Flow): See PRESSURE DROP VS.FLOW graph.
内泄漏(Internal Leakage): 82 ml/min max. to 85% of nominal setting
弹簧调压范围(Standard Spring Ranges): 3.5 to 20.7 bar
6.9 to 41.4 bar
10.3 to 89.7 bar
31 to 165.5 bar

过滤(Filtration): Critical Application – ISO 18/16/13
Non-Critical Application – ISO 19/17/14

介质温度(Temperature): -30 °C to +120°C

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory. 矿物油, 其它流体请咨询工厂。

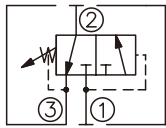
插孔 Cavity: 08-3

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6, 允许使用最大压力207Bar, 钢材允许最大压力350bar

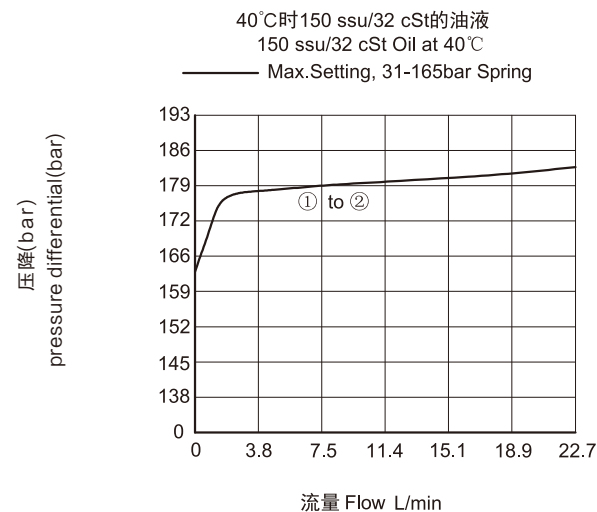
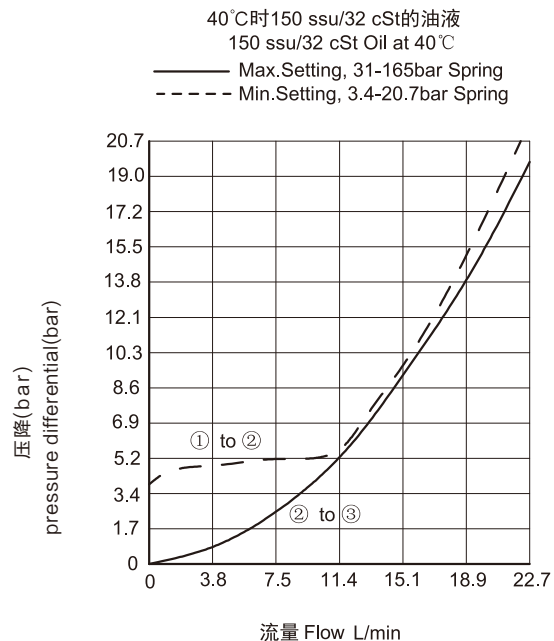
SYMBOL

机能符号



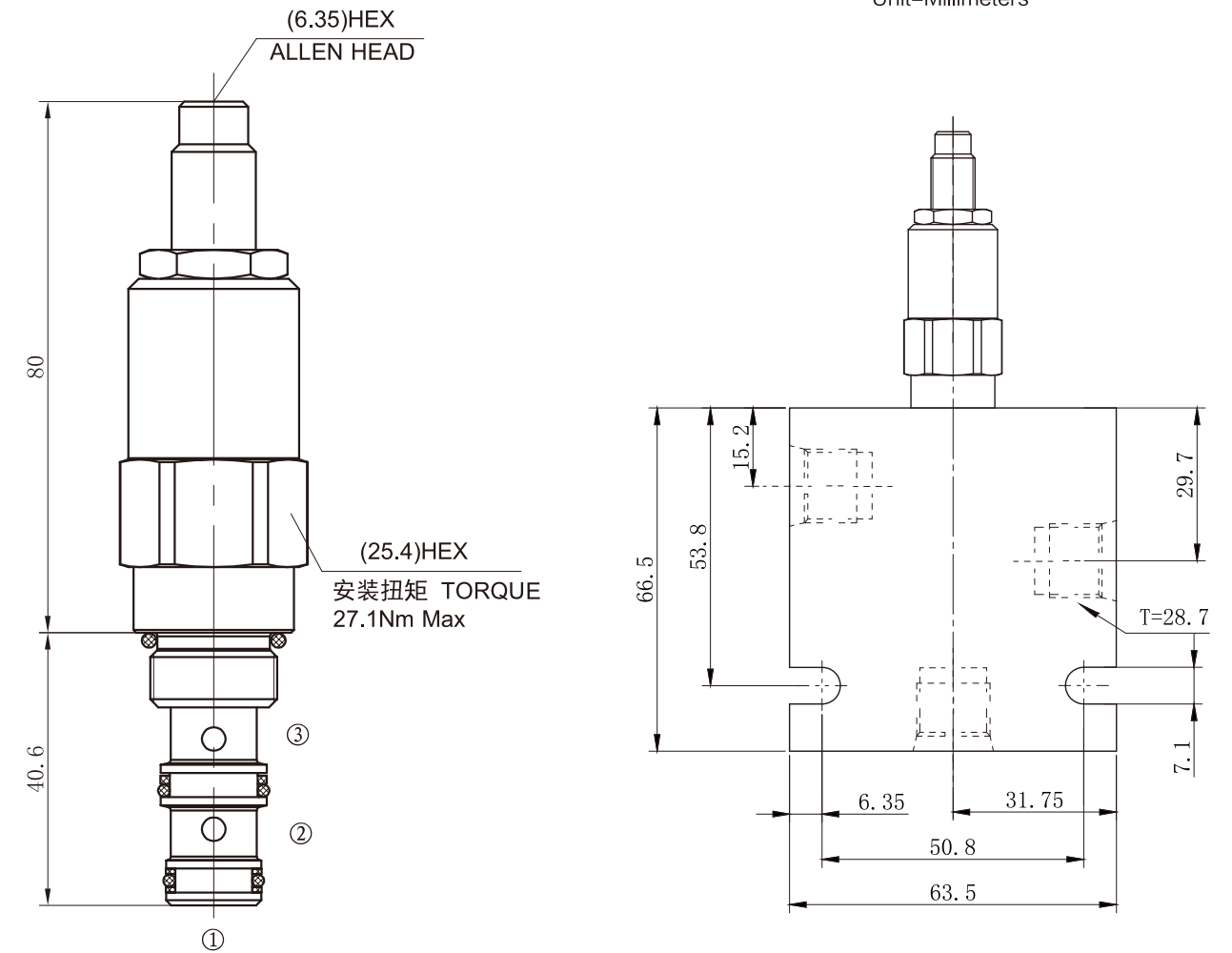
PRESSURE DROP VS.FLOW

性能图



INSTALLATION DIMENSIONS

安装尺寸



HPS 08 * * / * *

顺序阀
Spool-type, Sequence Valve
With Internal Pilot and Drain

08 规格 08 Size

弹簧调压范围 Spring Ranges
3=3.5-20.7bar (50-300psi)
6=6.9-41.4 bar (100-600psi)
13=10.3-89.7 bar (150-1300psi)
24=31-165.5 bar (450-2400psi)

调节方式 Adjustment
省略为内六角调节杆
(Omit for 1/4 Hex Allen head)

阀块油口 Body Porting
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
Other Porting is Available
其它螺纹油口也是可以选的
(Omit for Cartridge only
省略为不带阀块)

设定压力 Setting In Bar
例Example:0160=160bar
Omit for standard省略则为标准

HNV-08

节流阀

Manually- Adjustable ,
Cartridge Needle Valve

OPERATION

工作原理

The valve varies flow restriction by adjusting needle in or out and will shut off when fully closed. These valves will meter flow in either direction.

节流阀流量大小或关闭可通过调节螺杆来实现。

FEATURES

特性

- Hardened seat for long life
- Industry common cavity
- Compact size
- 阀座经硬质处理，耐用
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 250Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 5 drops/min max. at shut-off

介质温度(Temperature): -30 °C to +120°C

过滤(Filtration): ISO 19/17/14

介质(Fluids):Mineral-based fluids

For other fluid compatibility,consult factory.

矿物油.其它流体请咨询工厂。

插孔 Cavity: 08-2

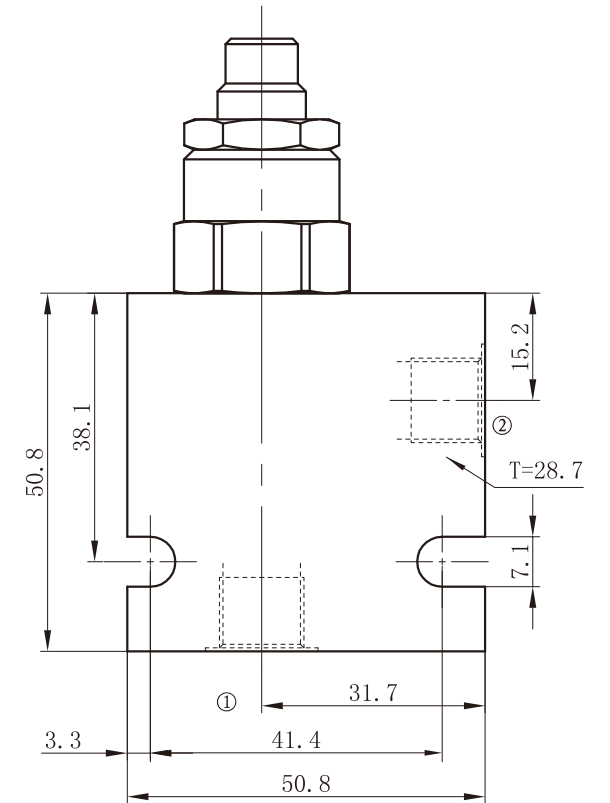
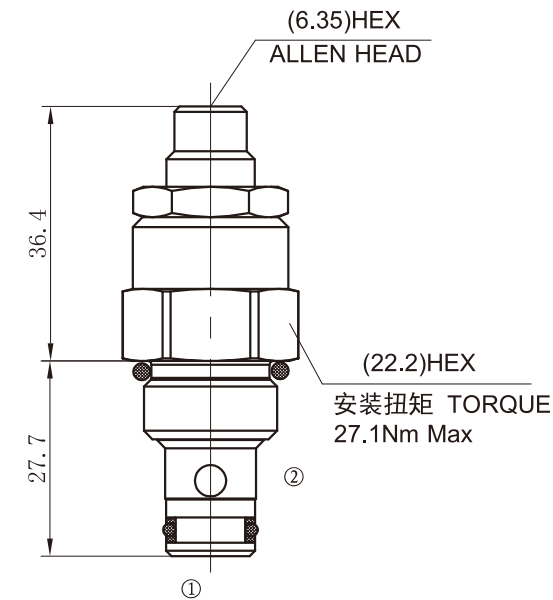
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6,允许使用最大压力207Bar，钢材允许最大压力350bar

INSTALLATION DIMENSIONS

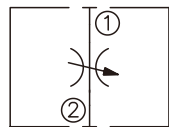
安装尺寸

Unit=Millimeters



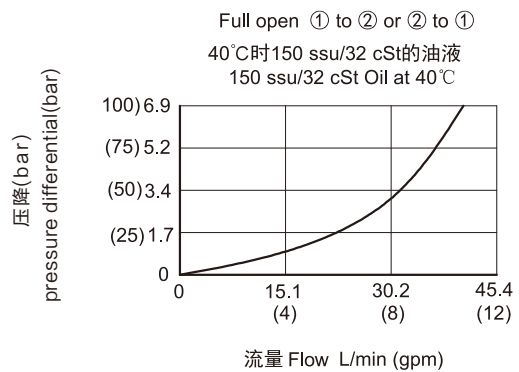
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HNV - 08 - * - *

节流阀
Manually- Adjustable ,
Cartridge Needle Valve

08 规格 08 Size

调节方式 Adjustment
省略为内六角调节杆
(Omit for 1/4 Hex Allen head)

阀块油口 Body Porting
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
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)

HNV-10

节流阀

Manually- Adjustable ,
Cartridge Needle Valve

OPERATION

工作原理

The valve varies flow restriction by adjusting needle in or out and will shut off when fully closed. These valves will meter flow in either direction.

节流阀流量大小或关闭可通过调节螺杆来实现。

FEATURES

特性

- Hardened seat for long life
- Industry common cavity
- Compact size
- 阀座经硬质处理, 耐用
- 工业通用插孔
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 250Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

内泄漏(Internal Leakage): 5 drops/min max. at shut-off

介质温度(Temperature): -30 °C to +120°C

过滤(Filtration): ISO 19/17/14

介质(Fluids): Mineral-based fluids

For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂.

插孔 Cavity: 10-2

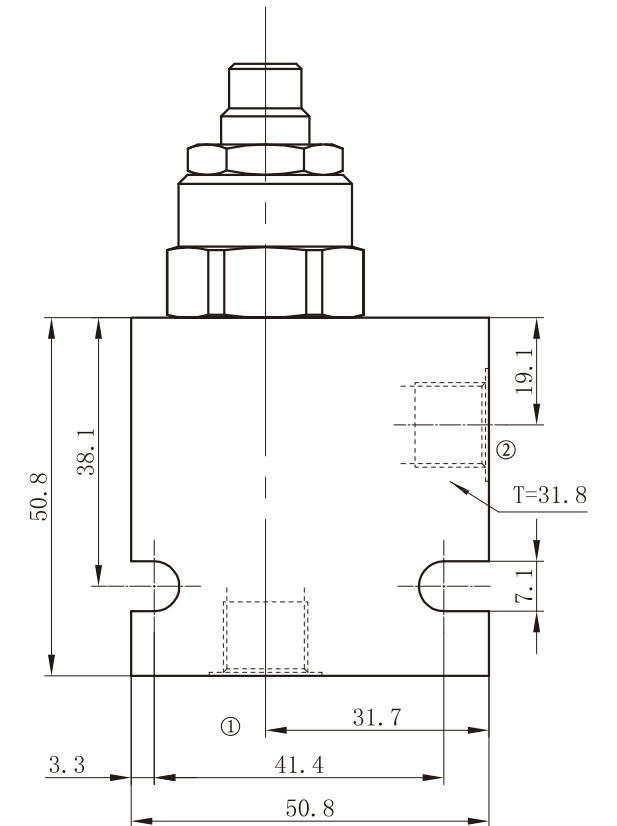
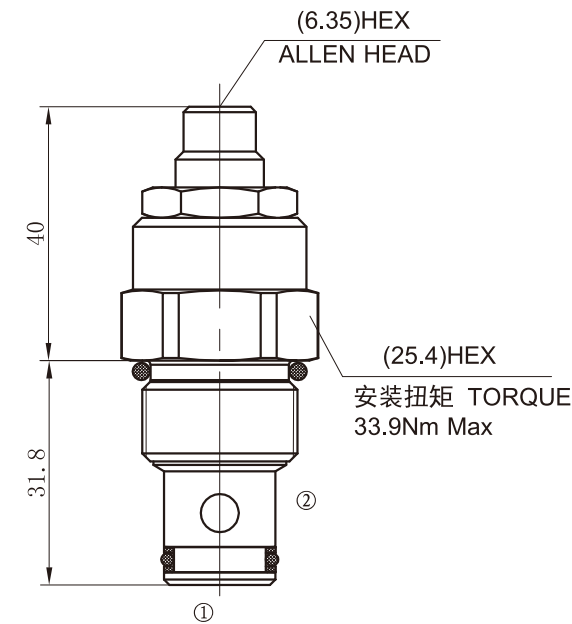
阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar,
Steel rated at 350bar

6061-T6,允许使用最大压力207Bar, 钢材允许最大压力350bar

INSTALLATION DIMENSIONS

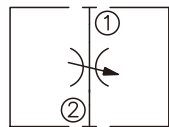
安装尺寸

Unit=Millimeters



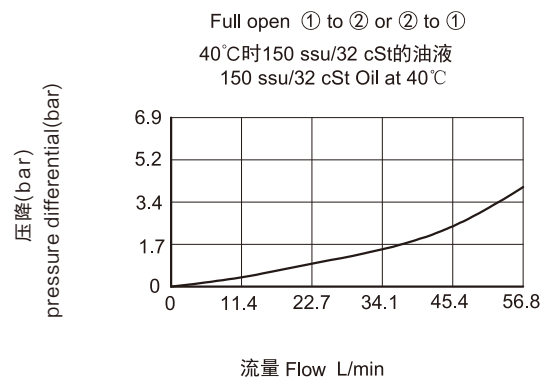
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HNV 10 * *

节流阀
Manually- Adjustable ,
Cartridge Needle Valve

10 规格 10 Size

调节方式 Adjustment
省略为内六角调节杆
(Omit for 1/4 Hex Allen head)

阀块油口 Body Porting
4T=SAE4
6T=SAE6
2G=G1/4
3G=G3/8
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)

HSFR10-39

流量控制阀 压力补偿型

Regulator, Pressure-Compensated Flow Control Valve

OPERATION

工作原理

The valve maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③ or in the bypass leg at ② Reverse flow ③ to ① bypasses the control orifice. Bypass port ② may be fully pressurized. The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

不管③口负载压力或旁路②口负载压力如何变化，从③口流出的流量维持不变。反向油液③流向①不经过控制节流孔。旁路②口可作为工作口。逆时针转动手柄，调节流量从闭合到完全打开时逐渐增加。

FEATURES

特性

- Hardened seat for long life · 长寿命的阀。
- Bypass port 2 may be fully pressurized · 旁路2口可加压。
- Used for systems requiring priority · 应用于优先流量系统。

SPECIFICATIONS

技术参数

最大工作压力 Max. Operating Pressure): 240Bar

流量 Flow rate(L/min):

3–ported regulated flow:0–13lpm

3–ported regulated flow:0–12lpm

介质温度范围(°C)Fluid temperature range(°C): –20°C to +70°C

过滤Filtration:

Critical Application – ISO 18/16/13

Non–Critical Application – ISO 19/17/14

介质 Fluids : 矿物油。其它流体请咨询工厂。

Mineral–based fluids.

For other fluid compatibility,consult factory 。

插孔 Cavity: 10–3

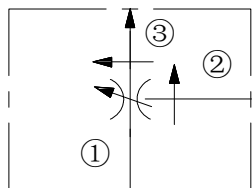
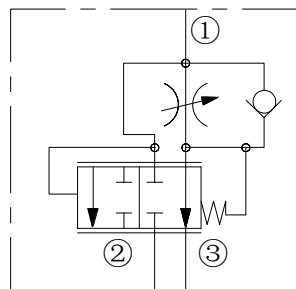
阀块材料Body Material:

6061–T6铝，允许使用最大压力207bar钢材允许使用最大压力350bar

6061–T6aluminum alloy rated to 207bar Steel rated to 350bar

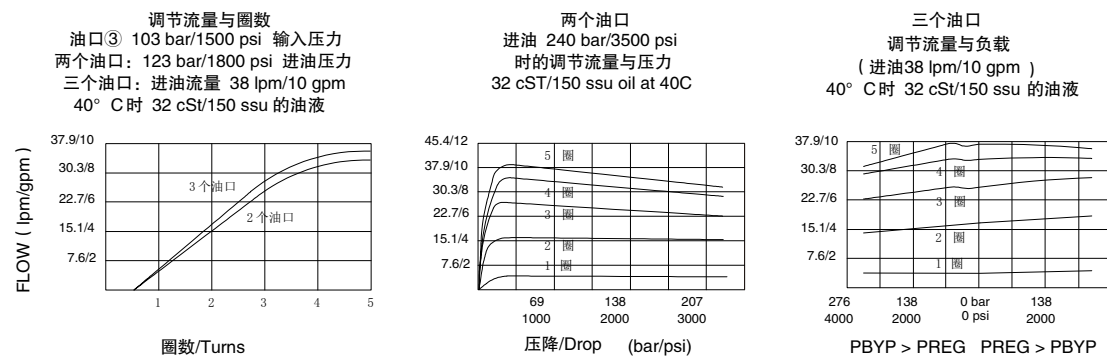
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

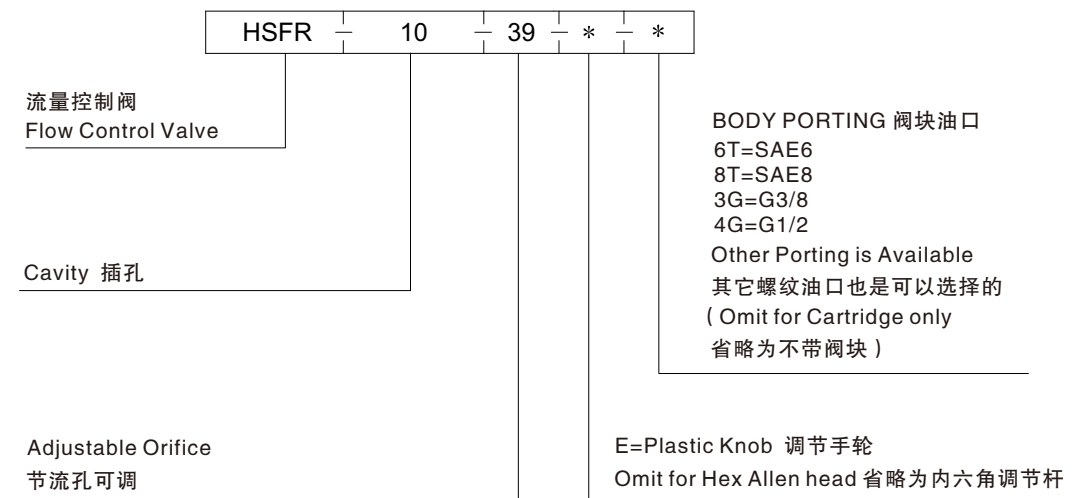
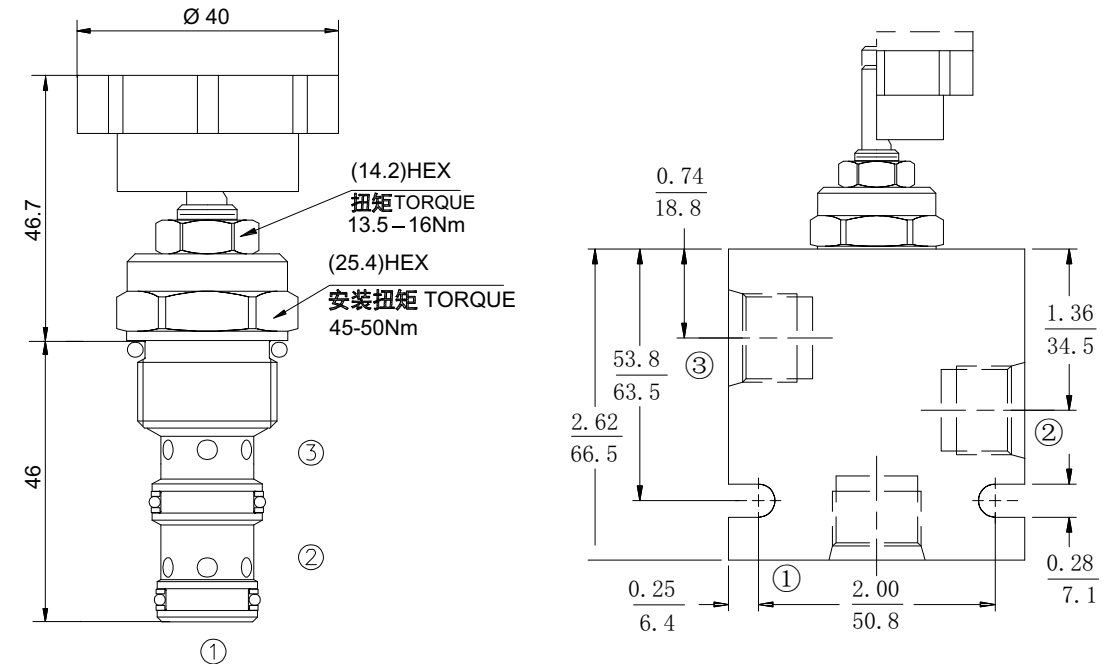
性能图

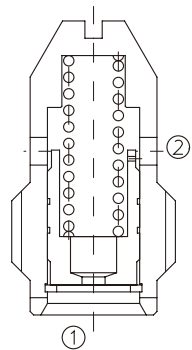


INSTALLATION DIMENSIONS

安装尺寸

Unit=Millimeters





HIFC-6T

流量控制阀，压力补偿型
(固定节流孔)

In-Line, Non-adjustable ,
Pressure-compensated Flow Control Valve

OPERATION

工作原理

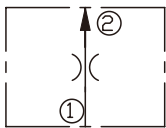
The valve maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ②. The fixed control orifice is factory preset to customer flow specification. Reverse flow(②to①) returns through the control orifice and is non-compensated.

不管②口的负载如何变化，②口的流量都能保持在一定的范围内。固定节流孔的大小根据客户流量要求而定。

反方向动，②到①口没有压力补偿。

SYMBOL

机能符号



FEATURES

特性

- Hardened seat for long life
- Compact size
- 阀座经硬质处理，耐用
- 紧凑结构

SPECIFICATIONS

技术参数

最大工作压力(Max. Operating Pressure): 210Bar

流量(Flow): See PRESSURE DROP VS.FLOW graph.

流量控制精度(Flow Maintenance Accuracy): Nominal flow $\pm 15-20\%$

过滤(Filtration): ISO 19/17/14

介质温度(Temperature): -30°C to $+120^{\circ}\text{C}$

介质(Fluids): Mineral-based fluids

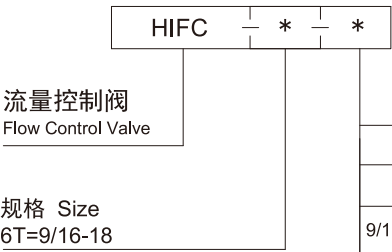
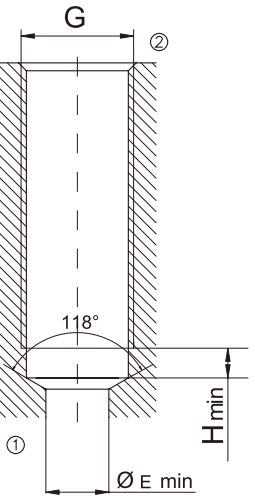
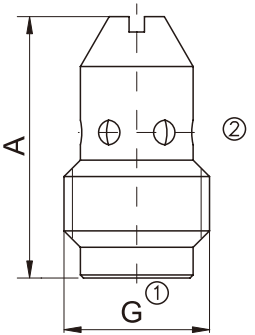
For other fluid compatibility, consult factory.

矿物油.其它流体请咨询工厂.

阀块材料(Body Material): 6061-T6 aluminum alloy rated at 207bar, Steel rated at 350bar

6061 T6 允许使用最大压力207Bar，钢材允许最大压力350bar，

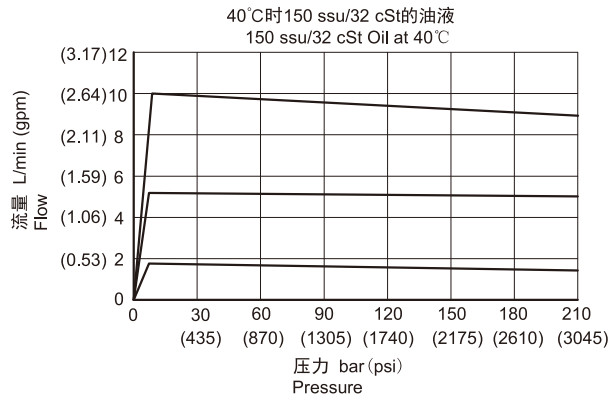
G	A (mm)	E (mm)	H (mm)	最大流量 Max. Flow (L/min)
9/16-18UNF	25.5	8	5	10

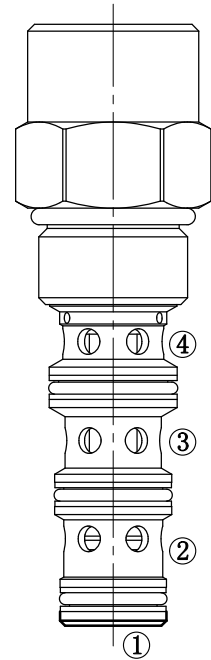


流量 Regulated Flow (L/min)										
G	=01	=02	=03	=04	=05	=06	=07	=08	=09	=10
9/16-18UNF	1	2	3	4	5	6	7	8	9	10

PRESSURE DROP VS.FLOW

性能图





HSEC10-42

压力补偿阀

优先型,具有静载传感的压力补偿,用于优先提供需求流量,同时将剩余流量用作辅助功能。

HSEC10-42 is a screw-in, cartridge style, priority on demand pressure compensator valve with static load sense. Intended to provide priority flow in required amount, while allowing excessive flow to be used for auxiliary functions

OPERATION

工作原理

With inlet flow at port③the HSEC10-42 will deliver required priority flow at port④regardless of load pressure. Excessive flow exits at port②and port①is the load sense port.All ports may be fully pressurized

油口③进油后,优先将必需的流量输送到④口,不受负载压力的影响。剩余的流入②口。①是负载传感油口。所有油口均可完全受压。

FEATURES

特性

- Hardened parts for long life. 零件硬质处理, 耐用
- Quiet, modulated response. 安静, 响应平稳
- Industry-common cavity. 工业常规阀孔

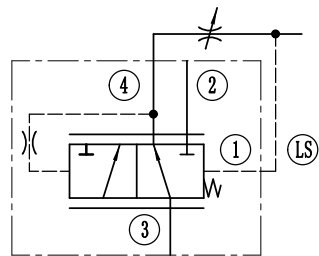
SPECIFICATIONS

技术参数

工作压力: 240bar(入油口)
Working Pressure: 240bar(Pressure At Inlet)
最大调节流量:
Maximum regulated flow:
补偿压力10.3bar(150psi):37.9L/min
补偿压力5.5bar(80psi):30.2L/min
流量Flow Rate:参见性能图
See Pressure Drop VS.Flow graph
温度范围Temperature Range: -30°C+120°C
过滤Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质Fluids:矿物油Mineral-based fluids
插孔Cavity:10-4

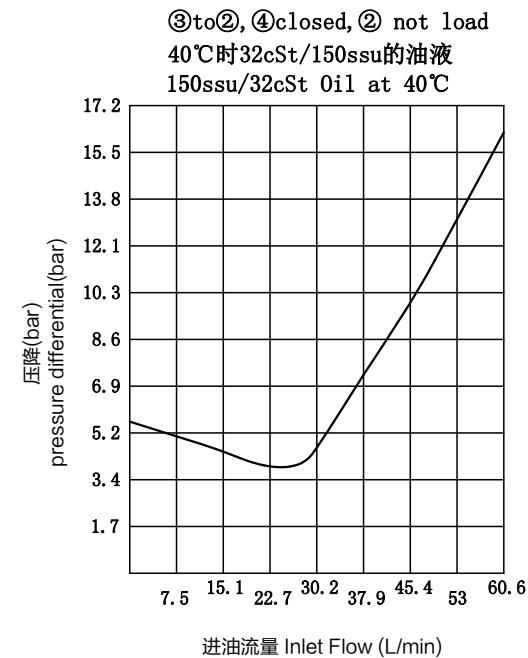
SYMBOL

机能符号



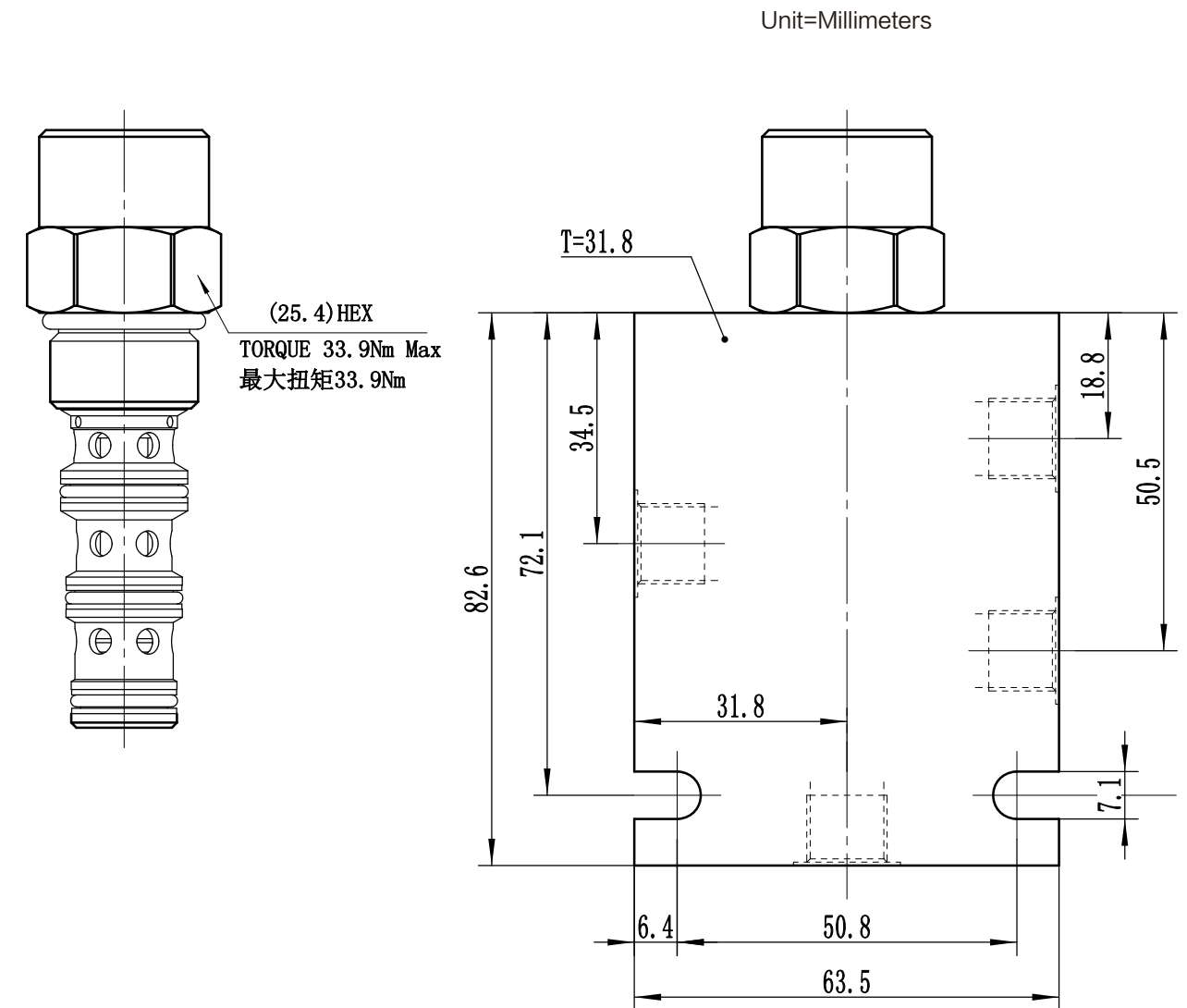
PRESSURE DROP VS.FLOW

性能图



INSTALLATION DIMENSIONS

安装尺寸



HSEC10-42 - * * * * *

BODY PORTING 阀块油口
0=只订购插装件
6T=SAE6
8T=SAE8
2B=G1/4
3B=G3/8

补偿压力
80 5.5bar(80psi)
150 10.3bar(150psi)

密封材料
N=Nitrile Rubber Buna 丁晴橡胶(标准型)

HSFR10-30F

压力补偿阀

固定流量优先调节型压力补偿阀, 推荐用于在需要部分泵流量分流到优先级的定量泵液压回路。
The HSFR10-30F is a screw-in, cartridge style, pressure compensated, non-adjustable hydraulic flow regulator valve. It can be used as a priority type flow regulator, delivering the pump flow to priority port③first, then bypassing excess to port②; or a restrictive type, 2-way flow regulator when the bypass port② is blocked

OPERATION

工作原理

The valve maintains a constant flow rate from port③ regardless of pressure variations in the system downstream of priority port③ or in bypass leg at port②. All ports may be fully pressurized
从③口流出的流量保持不变, 不受③口下游回路或旁路②的负载压力变化影响。阀芯在内固定节流孔保持6.5bar的压力差, 调节①到③的流量。HSFR10-30F是优先调节型, 首先将泵流量输送到③, 然后将多余流量输送到旁路②。
所有油口可以充分受压。基于进油量的不同, 从优先油口③出来的油液可能有差别, 尤其是低温和液体粘度增加时。设置可能需要研究来决定。请联系工厂。

FEATURES

特性

- Hardened parts for long life. · 零件硬质处理，耐用
- Quiet, modulated response. · 安静，响应平稳
- Industry-common cavity. · 工业常规阀孔

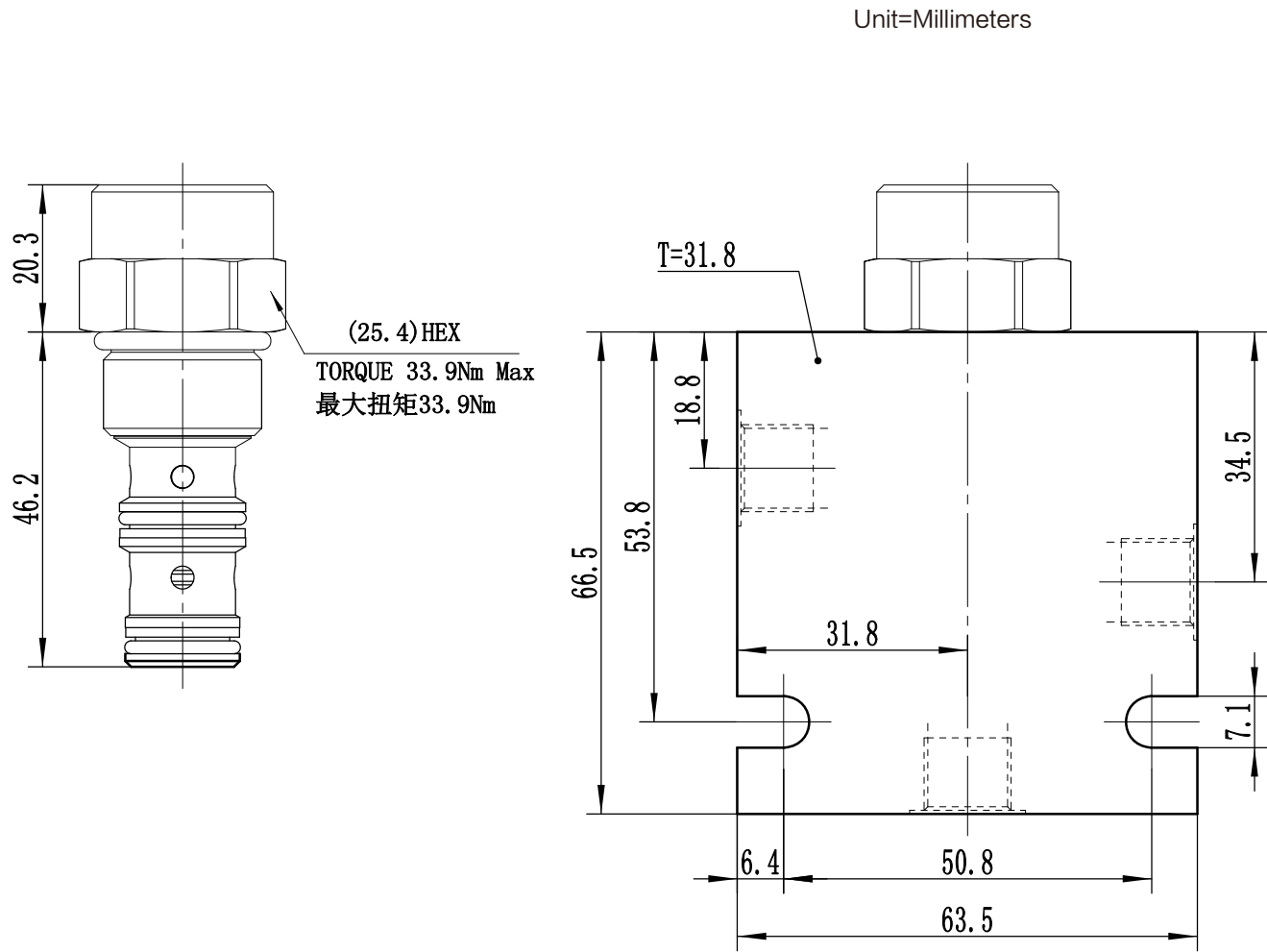
SPECIFICATIONS

技术参数

最大调节流量:22.7L/min,最大输入:37.8L/min,
最高压力: 241bar
当旁路流量超过23L/min时, 入口①的压力开始上升超过补偿压力。
标准补偿器复位弹簧 : 6.5bar
流量Flow Rate:参见性能图
See Pressure Drop VS.Flow graph
温度范围Temperature Range:-30°C+120°C
过滤Filtration:
Critical Application-ISO 18/16/13
Non-Critical Application-ISO 19/17/14
介质Fluids:矿物油Mineral-based fluids
插孔Cavity:10-3

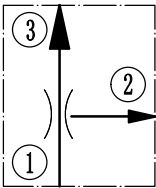
INSTALLATION DIMENSIONS

安装尺寸



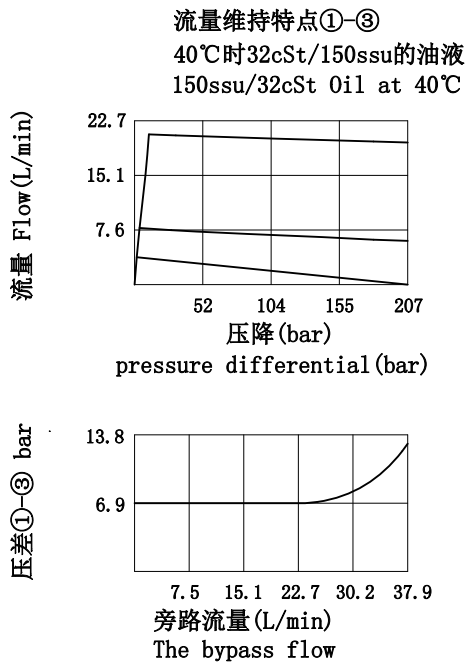
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSFR10-30F	*	*	*	*	*
BODY PORTING 阀块油口 0=只订购插装件 6T=SAE6 8T=SAE8 2B=G1/4 3B=G3/8					
密封材料 N=Nitrile Rubber Buna 丁晴橡胶(标准型)					
					优先流量 范围: 0.38-22.7L/Min 1.8L 1.8L/Min 5.0L 5L/Min

HSFD52-45

分流/集流阀

Flow Dividing/Combining Valve

HSFD52-45是一种螺纹插装式，滑阀型分流/集流阀
The FD52-45 is a screw-in cartridge, spool type flow divider/combiner valve.

PERATION

工作原理

The cartridge valve pressure compensated proportional division of inlet flow or combining of two return flows regardless of system operating pressure conditions. The valve provides synchronizing flow in dividing and combining modes.
此阀为压力补偿式插装阀，分流或集流与系统压力无关。

FEATURES

特性

零件硬质处理，耐用
Hardened parts for long life.
安静，响应平稳
Quiet, modulated response.
流量范围宽
Wide operating flow range.
分流、集流同步
Synchronizing in dividing and combining modes.
浮动阀套-高装配扭矩
Floating cage - high installation torque.
工业常规阀孔
Industry-common cavity.

SPECIFICATIONS

技术参数

最大工作压力 Max Working Pressure: 345bar

流量Flow Rate:

输入流量Input flow:

90.8lpm (24gpm) ; 比例Proportion: 50:50; 型号代码Model Code: 66

分流精度 Flow accuracy: 最大输入流量的10%

Approximately 10% of maximum inlet flow

温度范围Temperature Range: -40℃-120℃

过滤Filtration:

Maximum Operating Contamination Level:18/16/13 per ISO 4406

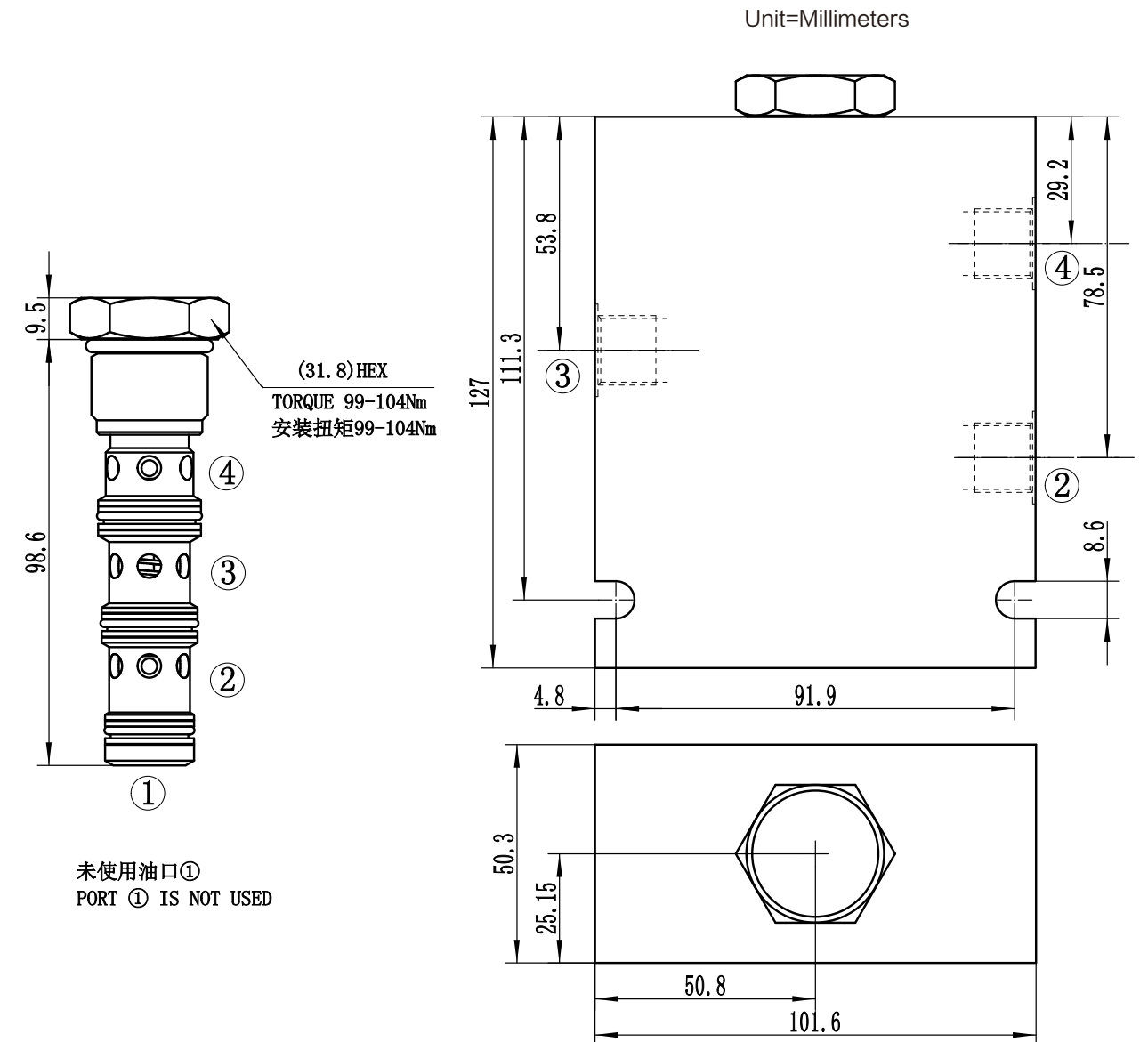
介质Fluids:

粘度介于7.4-420cSt (50-2000ssu) 的矿物油或具有润滑作用的合成油
Mineral oil or lubricating synthetic oil with viscosity between 7.4 and 420 CST (50-2000 ssu)

插孔Cavity:12-4

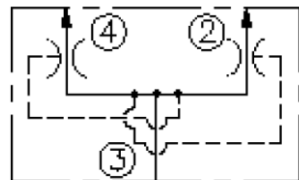
INSTALLATION DIMENSIONS

安装尺寸



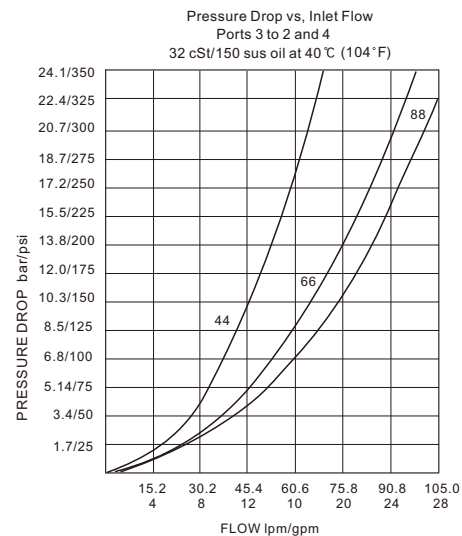
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



HSFD52-45 - * - * - *

BODY PORTING 阀块油口
0=只订购插装件Only add-ons ordered
SAE10=10T(6061 T6)
SAE12=12T(6061 T6)
SAE8=8TD(45/QT)
SAE10=10TD(45/QT)
铝制阀块最大工作压力240bar
Maximum operating pressure of Aluminium Block 240 bar
钢制和球墨铸铁阀块最大工作压力350bar
Steel and Ductile Iron Valve blocks up to 350 bar

流量选项 (50/50比例)
Flow options (50/50 Ratio)

66 23-90lpm (6-24gpm)

密封材料Sealing material
N=Nitrile Rubber 丁腈橡胶(标准型)
V=Fluororubber 氟橡胶
P=Polyurethane rubber 聚氨酯橡胶

注: 标准12号四通阀块不能用于分流

Note: Standard 12 four-way block shall not be used for dividing

HSFD56-45

分流/集流阀

Flow Dividing/Combining Valve

HSFD56-45是一种螺纹插装式，滑阀型分流/集流阀
The FD56-45 is a screw-in cartridge, spool type flow divider/combiner valve.

OPERATION

工作原理

The cartridge valve pressure compensated proportional division of inlet flow or combining of two return flows regardless of system operating pressure conditions. The valve provides synchronizing flow in dividing and combining modes.
此阀为压力补偿式插装阀，分流或集流与系统压力无关。

FEATURES

特性

零件硬质处理，耐用
Hardened parts for long life.
安静，响应平稳
Quiet, modulated response.
流量范围宽
Wide operating flow range.
分流、集流同步
Synchronizing in dividing and combining modes.
浮动阀套-高装配扭矩
Floating cage - high installation torque.
工业常规阀孔
Industry-common cavity.

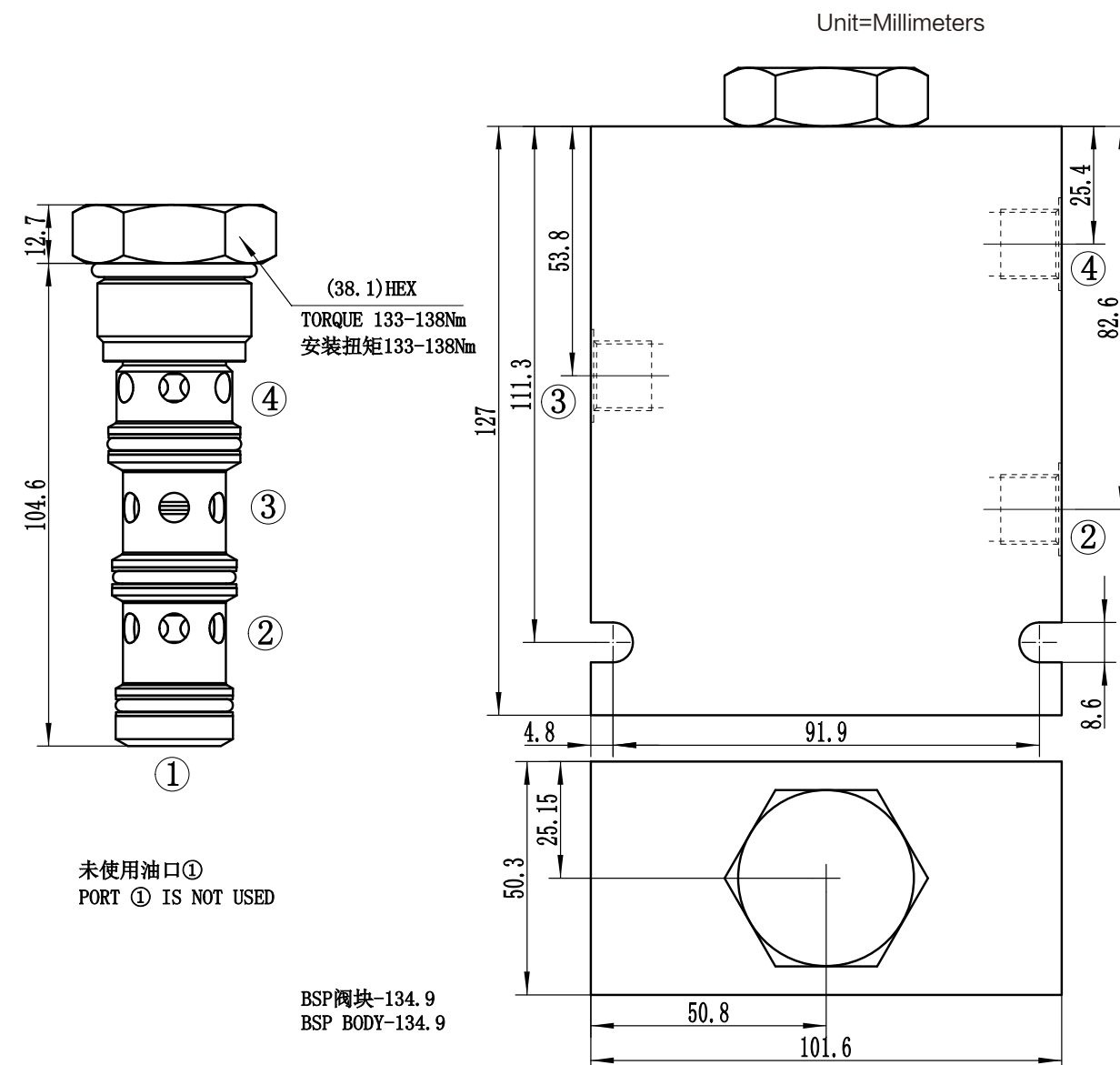
SPECIFICATIONS

技术参数

最大工作压力 Max Working Pressure: 345bar
流量Flow Rate:
输入流量Input flow: 128.7lpm (34gpm) ; 比例Ratio: 50:50; 型号代码Model Code: 66
分流精度 Flow accuracy: 最大输入流量的10%
Approximately 10% of maximum inlet flow
温度范围Temperature Range: -40℃-120℃
过滤Filtration:
Maximum Operating Contamination Level: 18/16/13 per ISO 4406
介质Fluids: 粘度介于7.4-420cSt (50-2000ssu) 的矿物油或具有润滑作用的合成油
Fluids: 粘度介于7.4-420cSt (50-2000ssu) 的矿物油或具有润滑作用的合成油
Mineral oil or lubricating synthetic oil with viscosity between 7.4 and 420 CST (50-2000 ssu)
插孔Cavity: 16-4

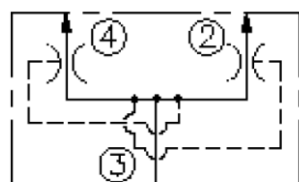
INSTALLATION DIMENSIONS

安装尺寸



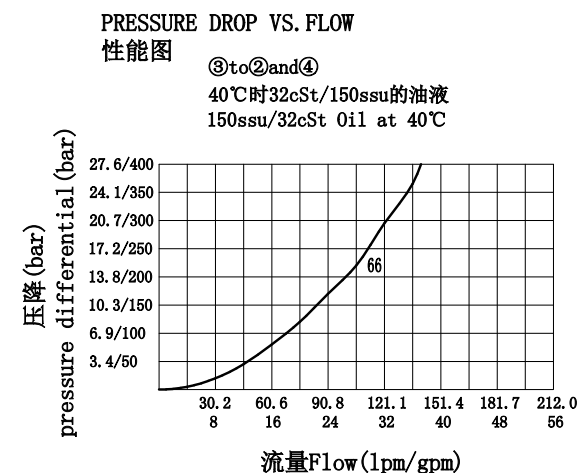
SYMBOL

机能符号



PRESSURE DROP VS.FLOW

性能图



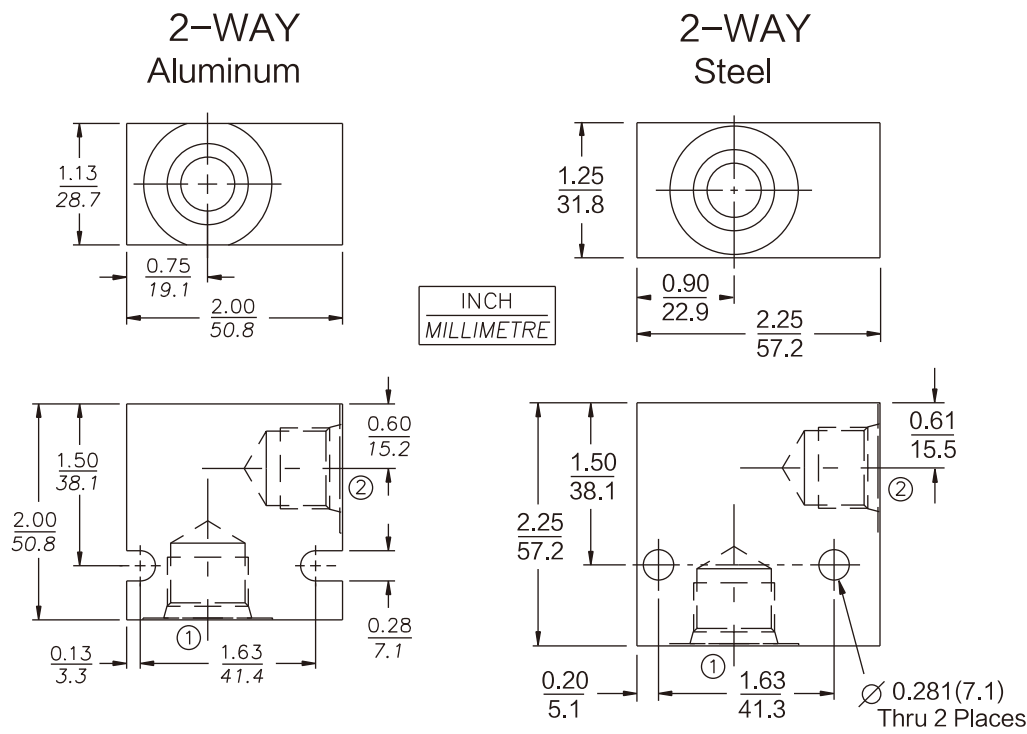
BODY PORTING 阀块油口
0=只订购插装件Only add-ons ordered
SAE12=12T(6061 T6)
SAE16=16T(6061 T6)
3/4"BSP=6B(6061 T6)
1"BSP=8B(6061 T6)
SAE12(②and④)+SAE16 (③) =16TD(45/QT)
3/4"BSP(②and④)+1"BSP(③)=7B(6061 T6)
铝制阀块最大工作压力240bar
Maximum operating pressure of Aluminium Block 240 bar
钢制和球墨铸铁阀块最大工作压力350bar
Steel and Ductile Iron Valve blocks up to 350 bar

流量选项 (50/50比例)
Flow options (50/50 Ratio)
66 32-128lpm (8.5-34gpm)

密封材料Sealing material
N=Nitrile Rubber Buna 丁晴橡胶(标准型)
V=Fluororubber 氟橡胶
P=Polyurethane rubber 聚氨酯橡胶

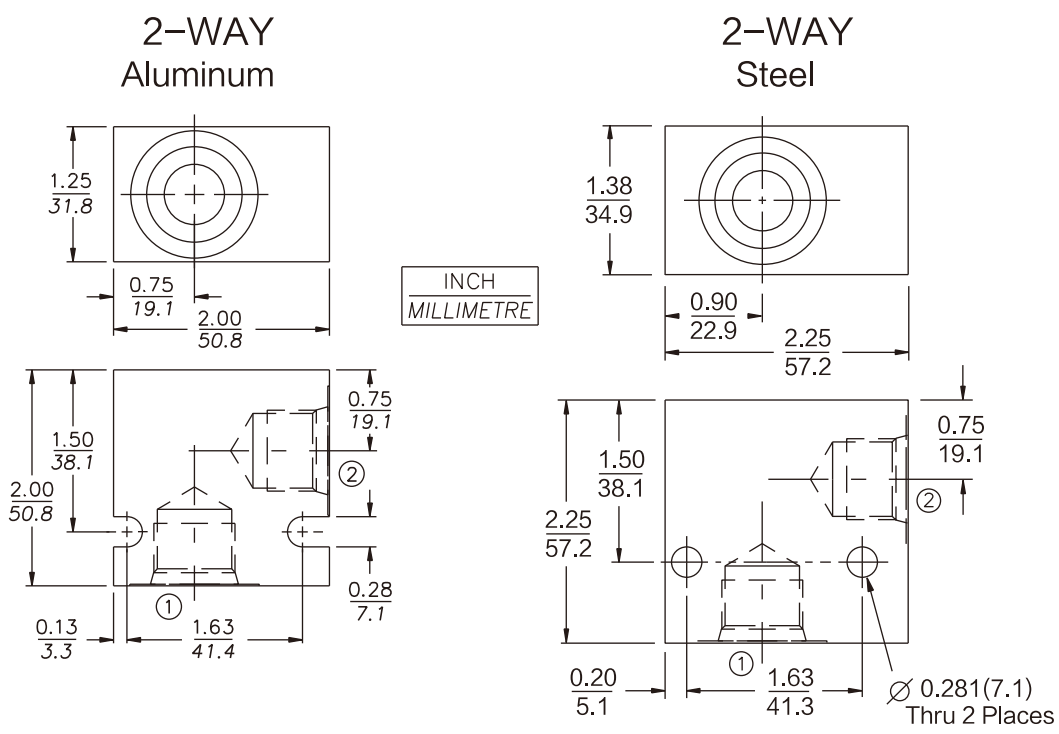
注：标准16号四通阀块不能用于分流
Note: Standard 16 four-way block shall not be used for dividing

Series 08 2-WAY Housings
标准阀块

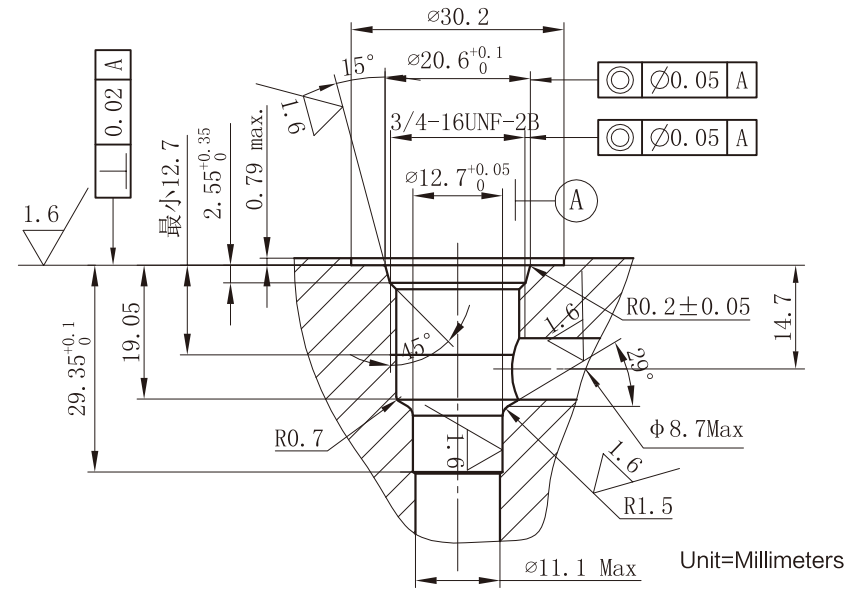


SERIES 08 2-WAY HOUSINGS			
Part No.	Material	Operating Pressure	Ports
HB08-2-A-4T	Aluminum,6061-T6	210 bar (3000 psi)	SAE 4
HB08-2-A-6T	Aluminum,6061-T6	210 bar (3000 psi)	SAE 6
HB08-2-A-2G	Aluminum,6061-T6	210 bar (3000 psi)	G 1/4
HB08-2-A-3G	Aluminum,6061-T6	210 bar (3000 psi)	G 3/8
HB08-2-S-4T	Steel	350 bar (5000 psi)	SAE 4
HB08-2-S-6T	Steel	350 bar (5000 psi)	SAE 6
HB08-2-S-2G	Steel	350 bar (5000 psi)	G 1/4
HB08-2-S-3G	Steel	350 bar (5000 psi)	G 3/8

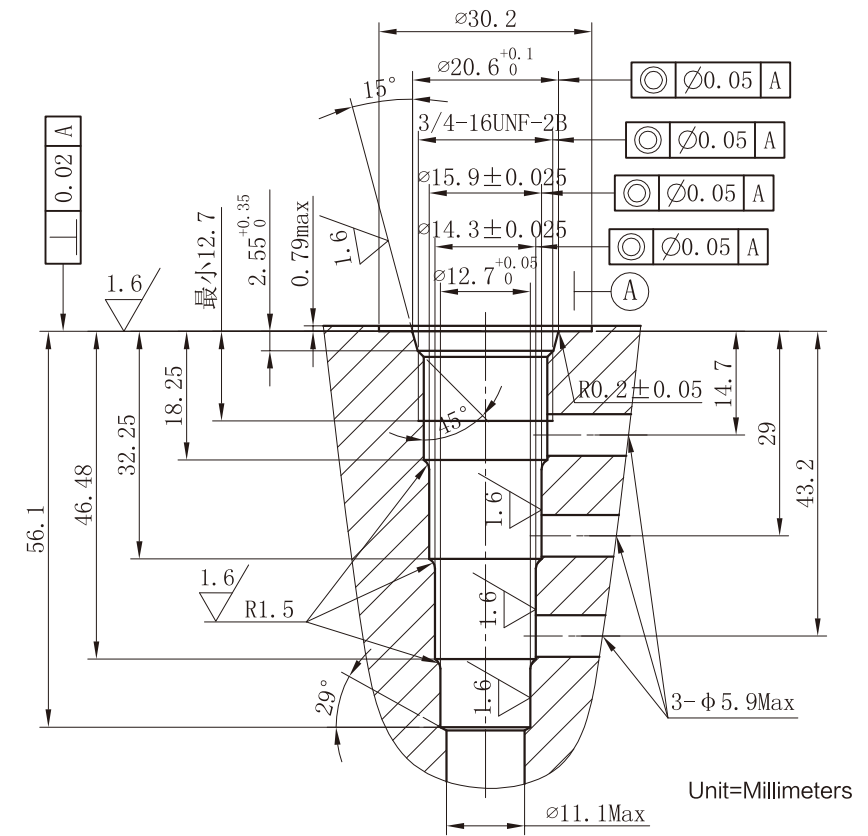
Series 10 2-WAY Housings
标准阀块



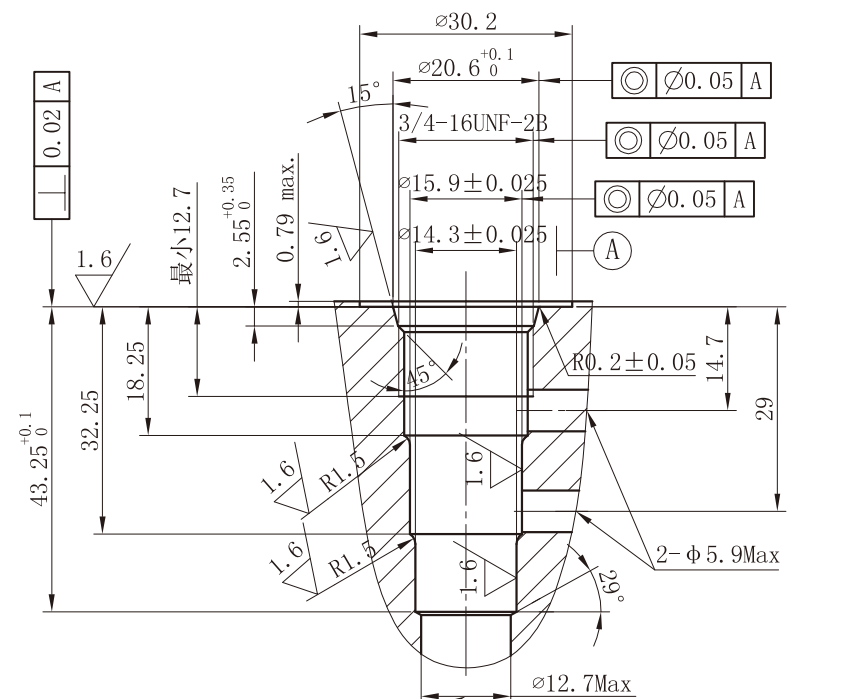
SERIES 10 2-WAY HOUSINGS			
Part No.	Material	Operating Pressure	Ports
HB10-2-A-6T	Aluminum,6061-T6	210 bar (3000 psi)	SAE 6
HB10-2-A-8T	Aluminum,6061-T6	210 bar (3000 psi)	SAE 8
HB10-2-A-3G	Aluminum,6061-T6	210 bar (3000 psi)	G 3/8
HB10-2-A-4G	Aluminum,6061-T6	210 bar (3000 psi)	G 1/2
HB10-2-S-6T	Steel	350 bar (5000 psi)	SAE 6
HB10-2-S-8T	Steel	350 bar (5000 psi)	SAE 8
HB10-2-S-3G	Steel	350 bar (5000 psi)	G 3/8
HB10-2-S-4G	Steel	350 bar (5000 psi)	G 1/2



CAVITY 插孔: 08-2

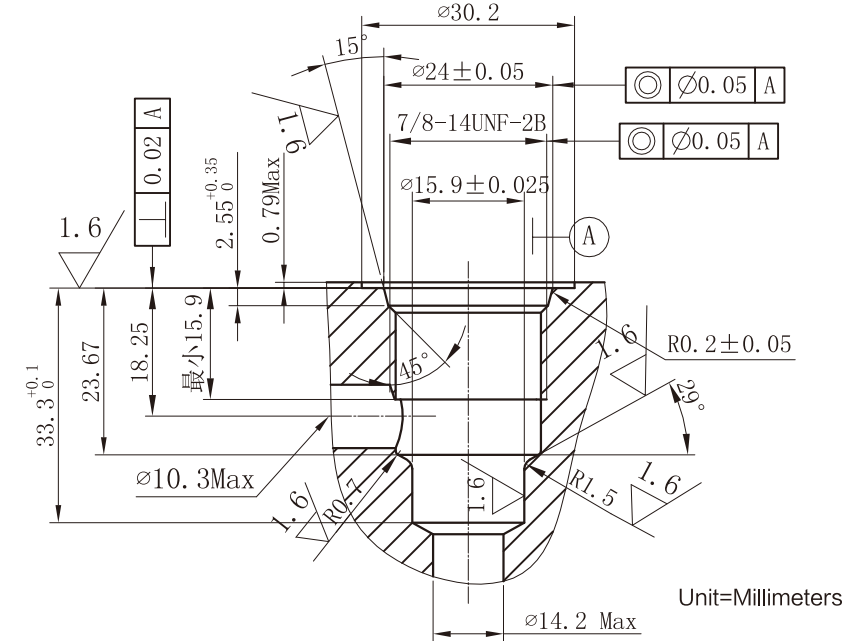


CAVITY 插孔: 08-4

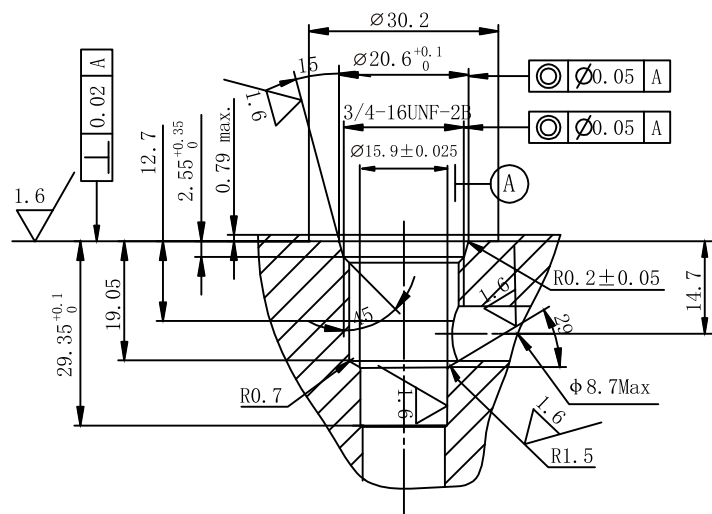


注: 阀孔变量 "A"
安装部分阀及节流片时, 先导
钻孔 $\phi 12.7$, 所需深度最小46mm

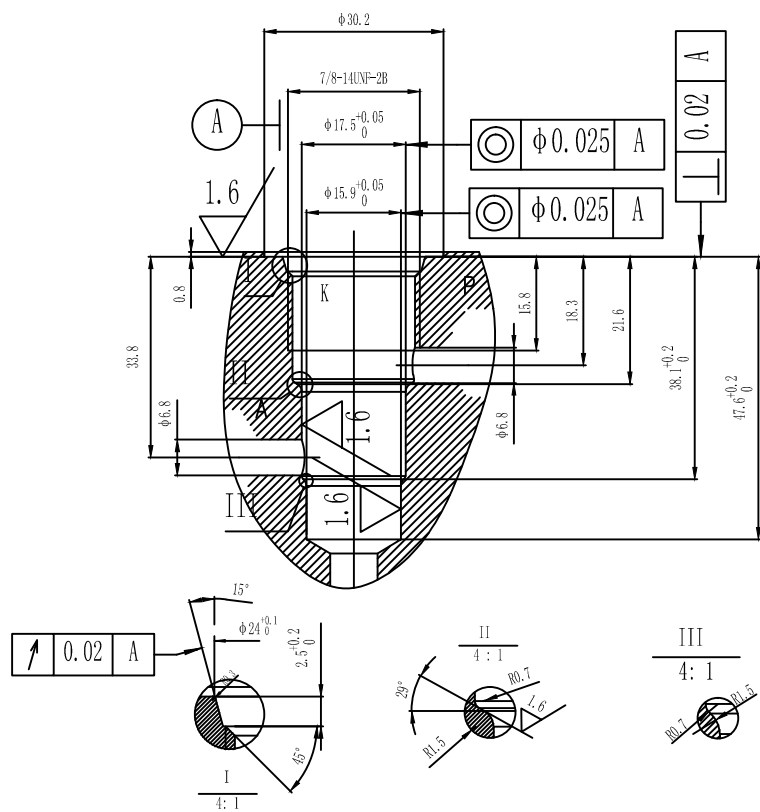
CAVITY 插孔: 08-3



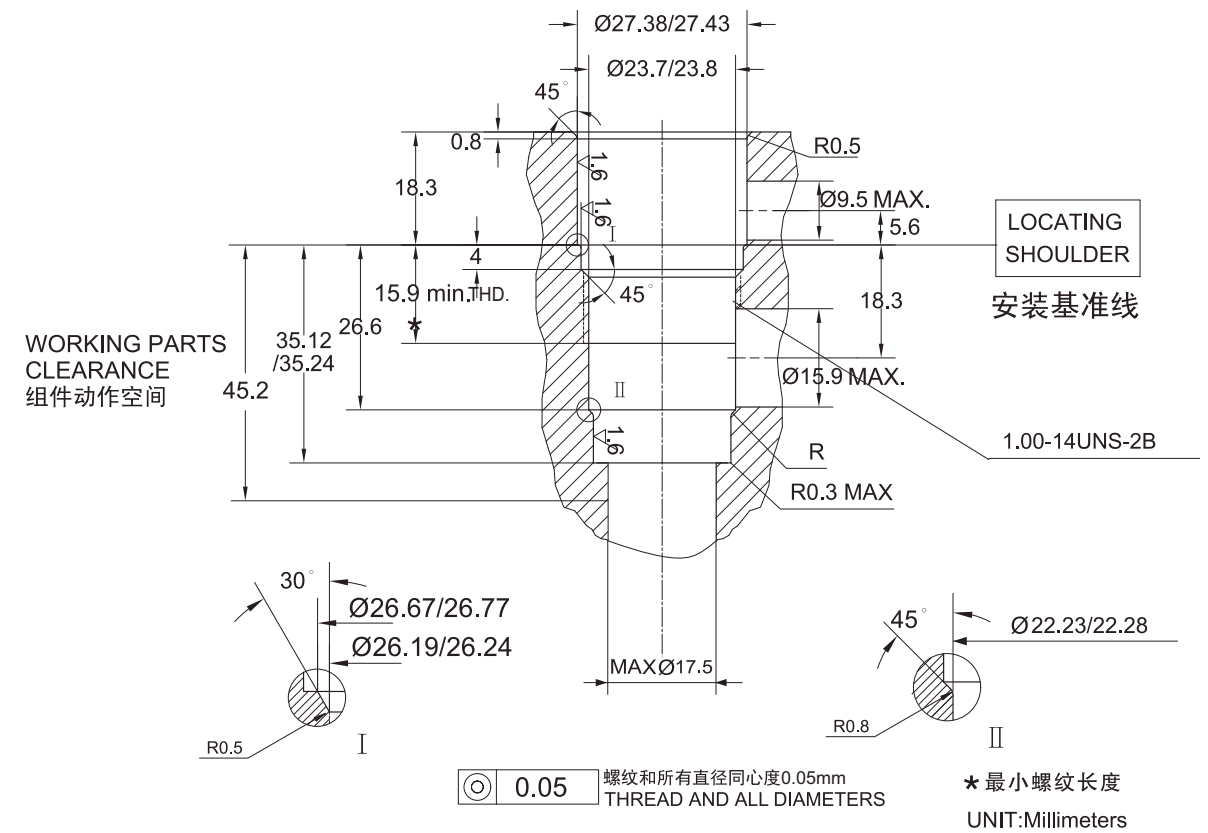
CAVITY 插孔: 10-2



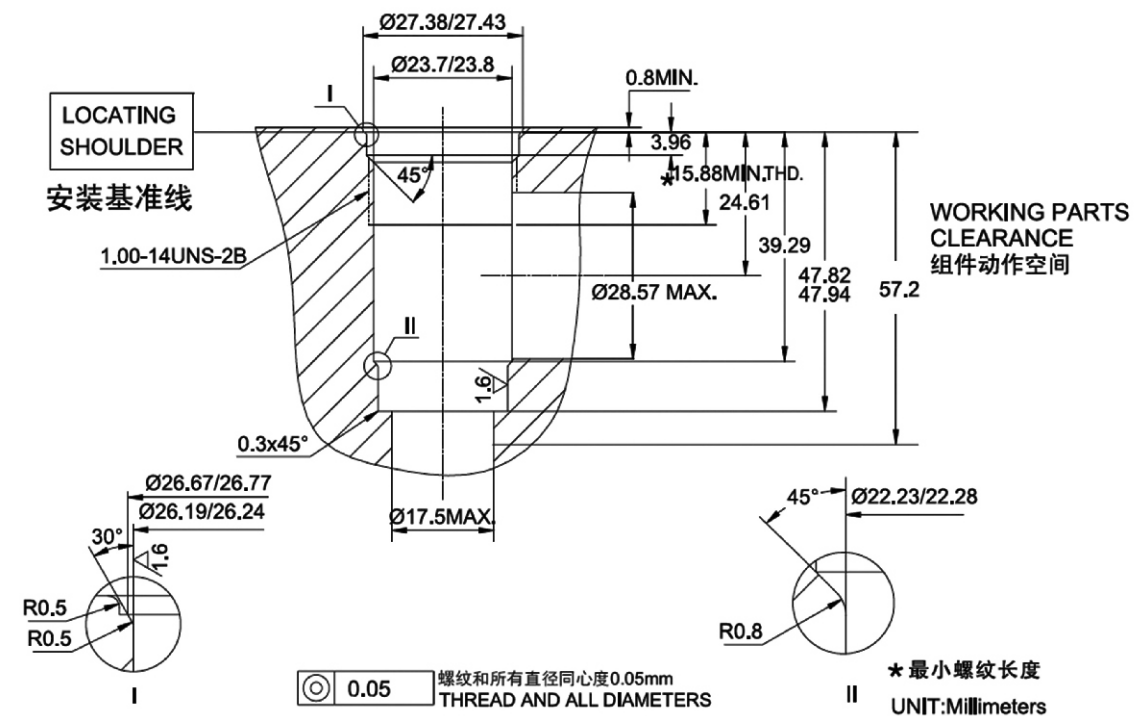
CAVITY 08-2B



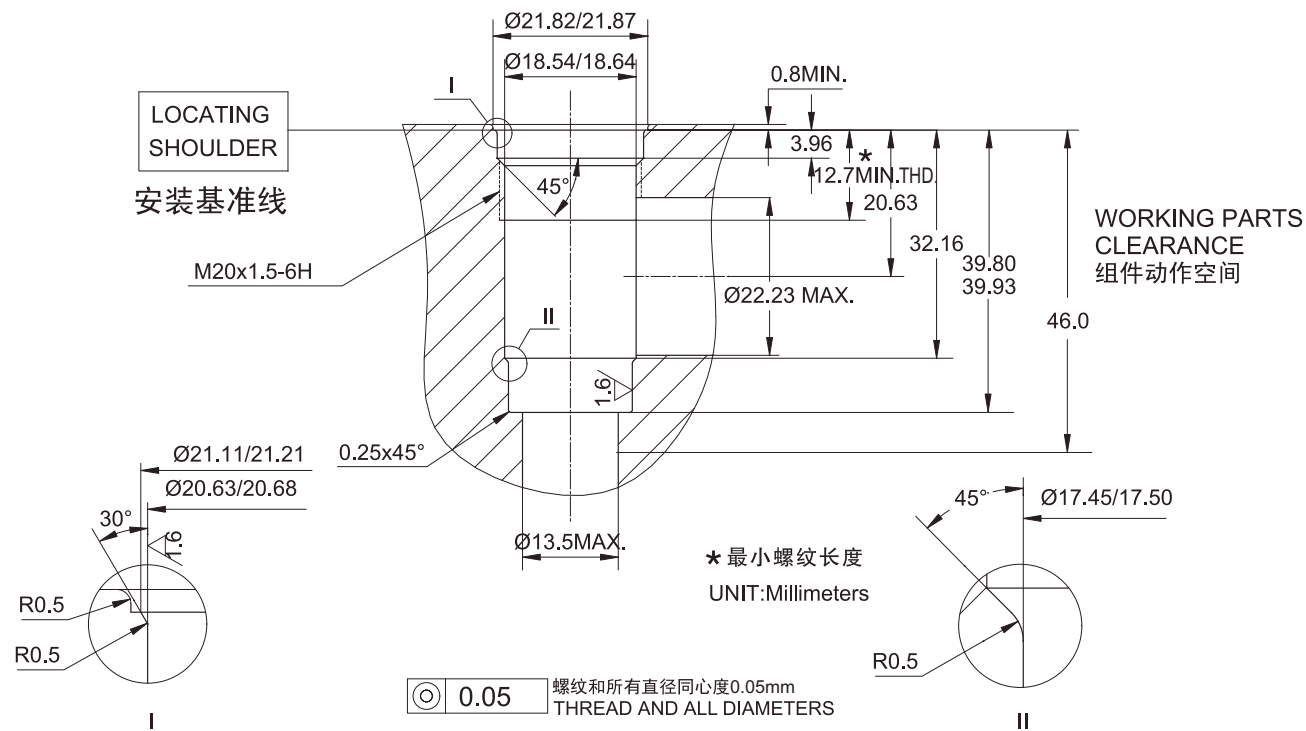
CAVITY 10-3



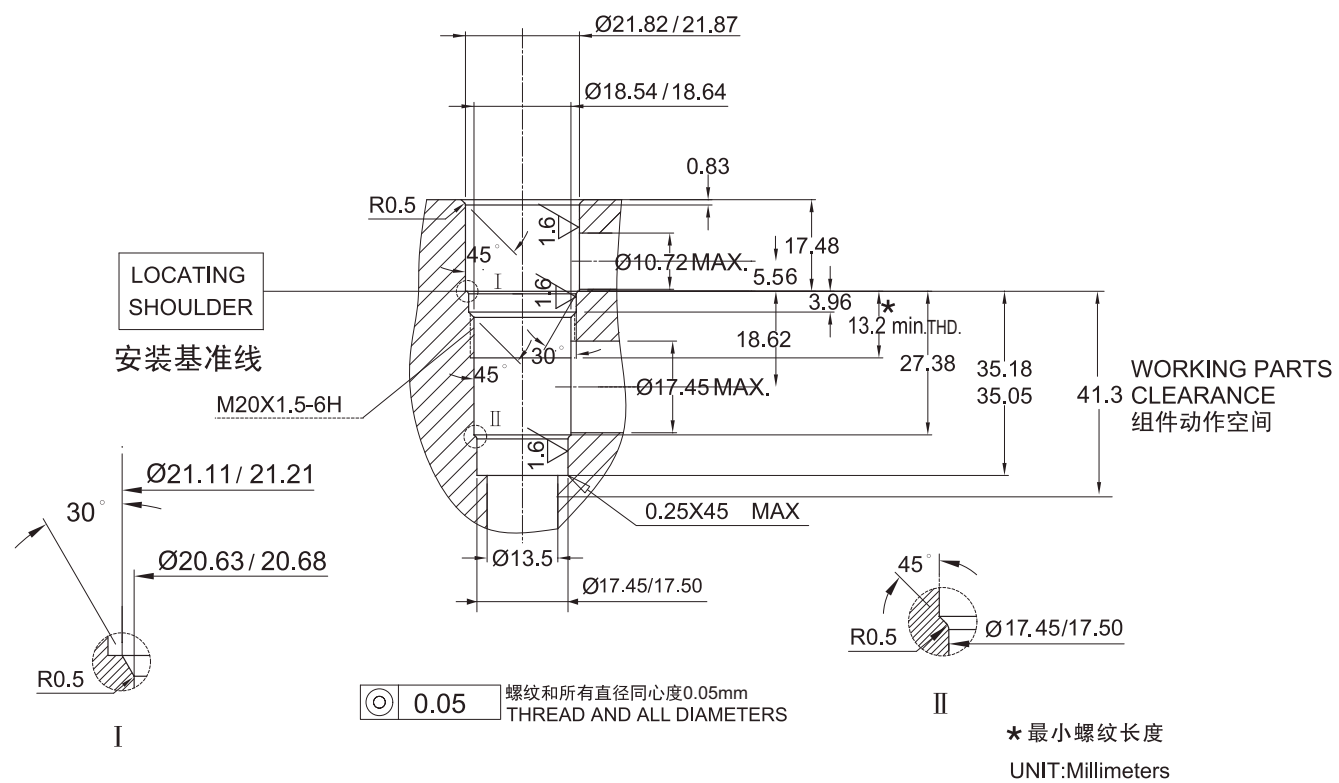
CAVITY: SUN T-2A



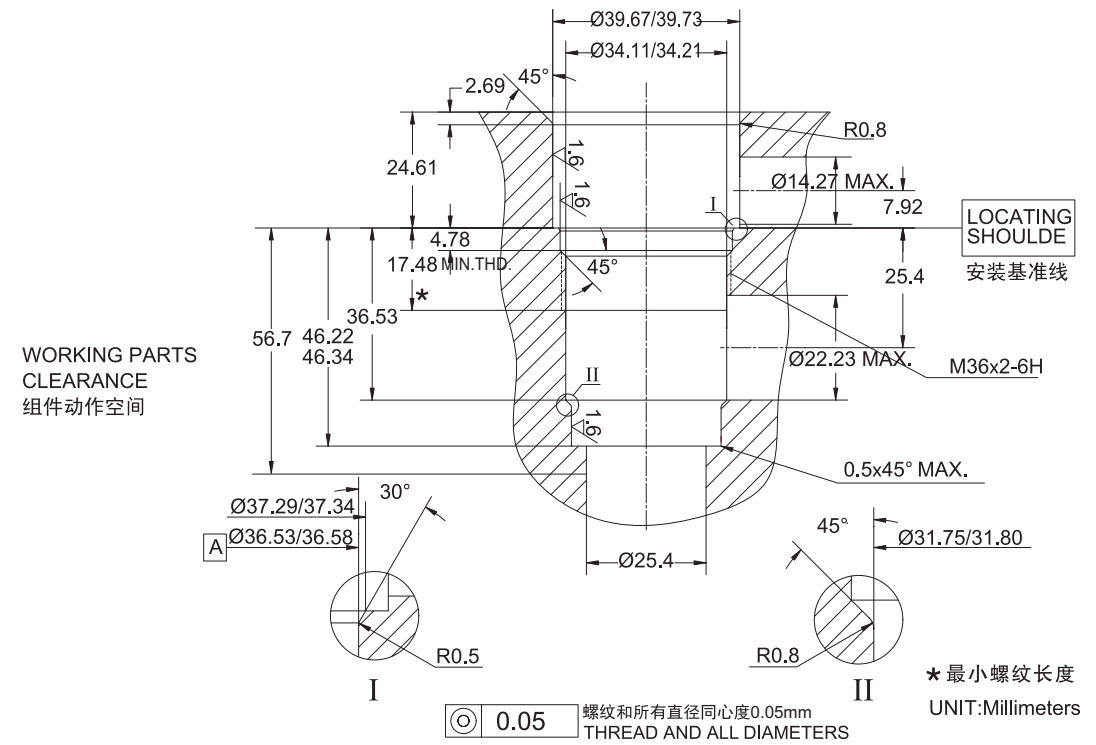
CAVITY: SUN T-3A



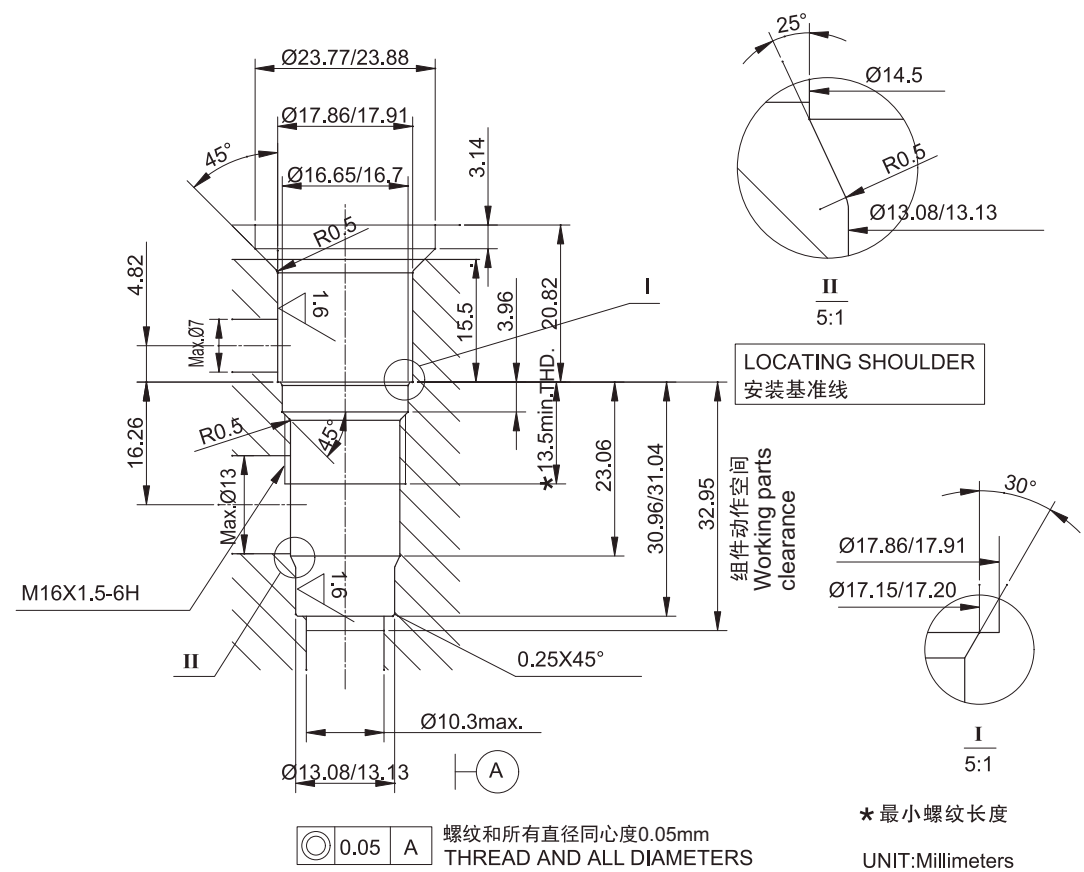
CAVITY: SUN T-10A



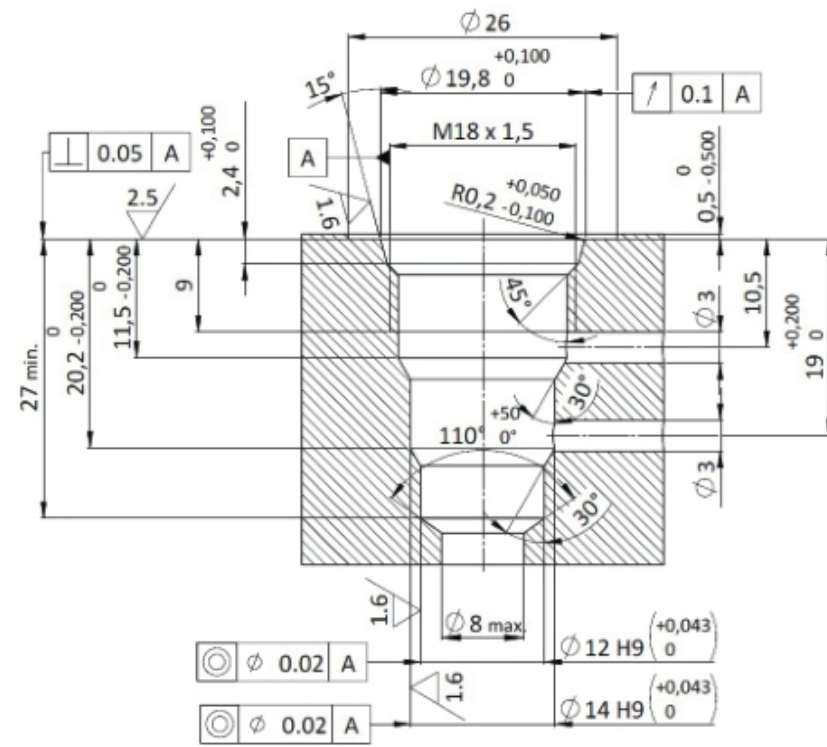
CAVITY: SUN T-11A



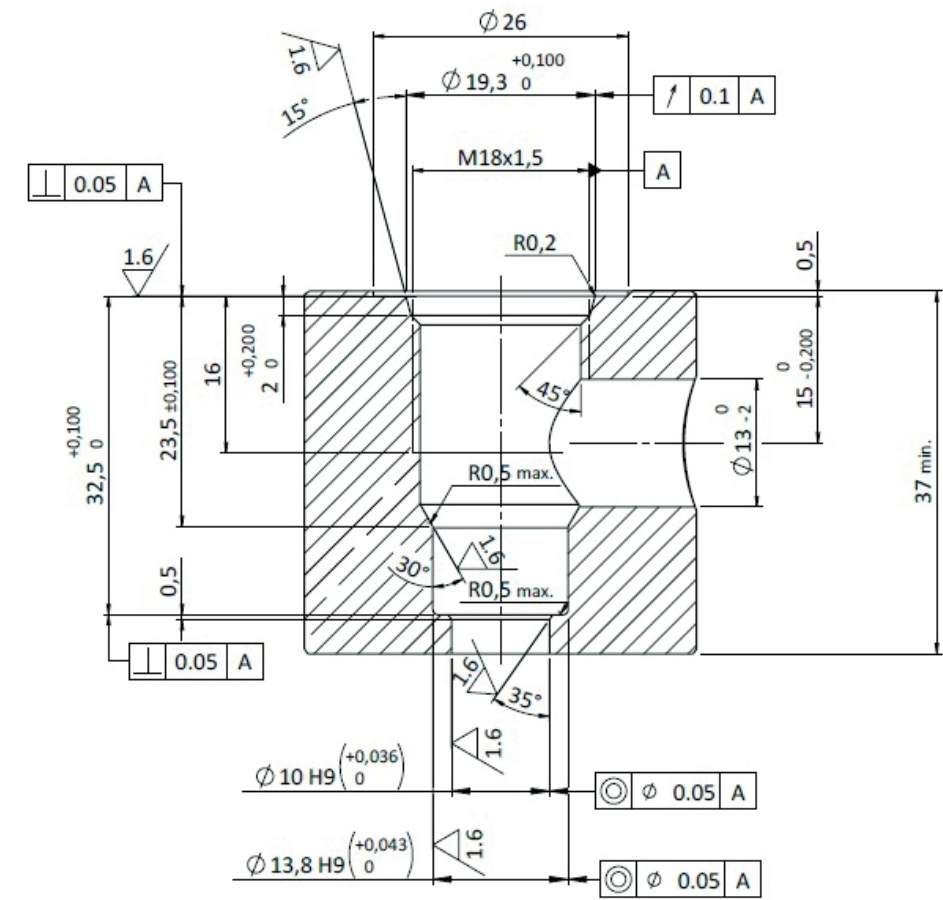
CAVITY: SUN T-17A



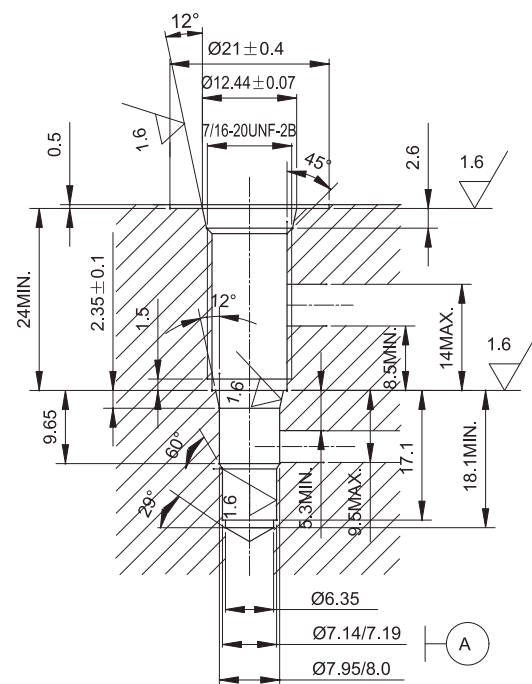
CAVITY: SUN T-163A



08-3B



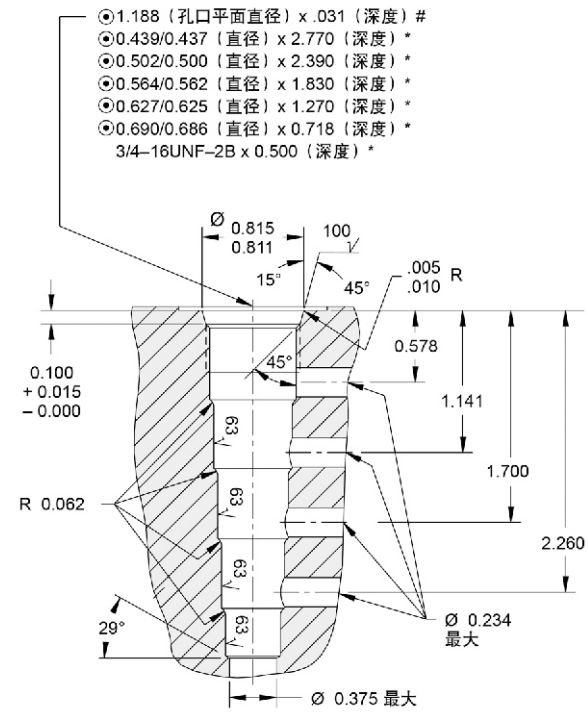
VH002



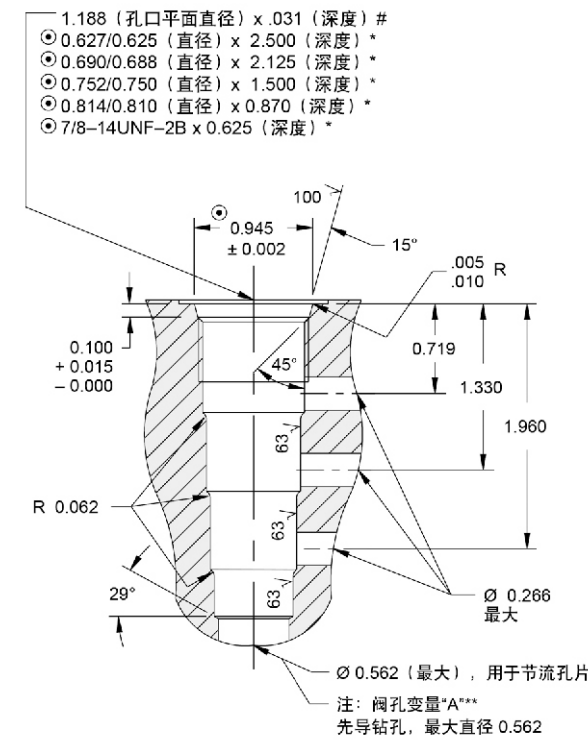
UNIT: Millimeters

◎ 0.05 A 螺纹和所有直径同心度0.05mm
THREAD AND ALL DIAMETERS

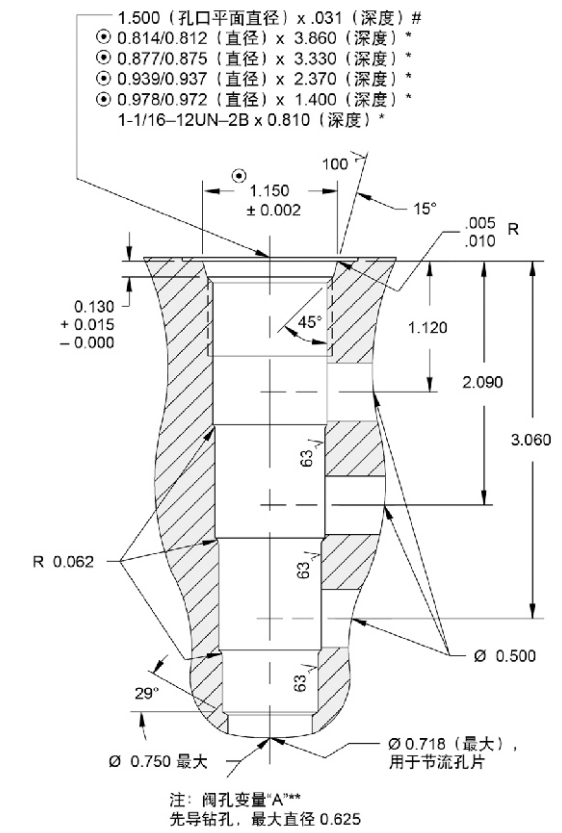
CAVITY:04-B3



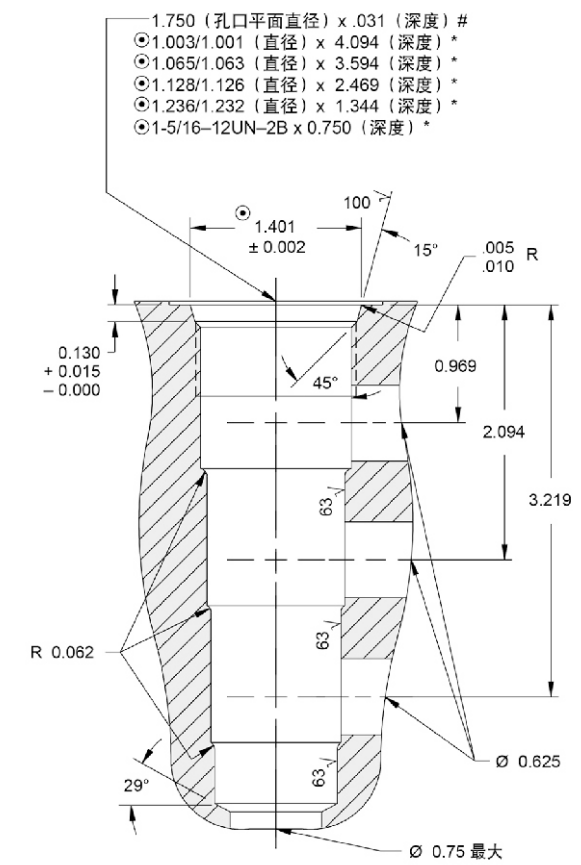
CAVITY 08-5



CAVITY 10-4



CAVITY 12-4



CAVITY 16-4

NOTE

NOTE

NOTE

[illegible]