



HLSJ(B) 保温夹套小口径单座调节阀

Steam Jacket Small Port Single Seated Control Valves

J- 阀体半保温;

J-Segmental Steam Jacket for Valve Body;

B- 阀体全保温

B-Full Steam Jacket for Valve Body

HLSJ(B) 保温夹套小口径单座调节阀适用于需要保温的场合。当工艺介质的结晶温度低于环境温度或流体温度降低,造成粘度增加或流体出现凝固时,这时在阀体和上阀盖处增设蒸汽保温夹套装置,使工艺介质满足过程过程控制的需要。

HLSJ(B)Control Valves are applicable for the service of heat preservation. When the crystal temperature of fluid is lower than the ambient temperature or the fluid temperature decreases, causing the fluid viscosity increases or when the solidification occurs, the steam jacket is added to the valve body and bonnet to meet the needs of process control.

调节阀泄漏量符合 ANSI FCI 70-2-2006 标准。调节阀配用多弹簧薄膜执行机构,其结构紧凑,输出力大。

The leakage complies with the ANSI FCI 70-2-2006 standards. The compact size and large output force can be available when the control valve is combined with multi-spring diaphragm actuator or cylinder actuator.

This product complies with the GB/T4213-2008 standards.

产品符合 GB/T4213-2008 标准。

标准规格 STANDARD SPECIFICATION

阀体 BODY

形式 Type	直通单座铸造球型阀 Straight-through, single seated, cast globe valve
公称通径 Normal size	15, 20, 25mm
公称压力 Pressure rating	ANSI Class 150, 300; JIS 10K, 16K, 20K; PN 1.6, 4.0 MPa *
连接型式 End connections	法兰型 Flanged: FF、RF、RJ、TG、MFM
尺寸 Dimensions	请参见表 9 See Table 9
阀体及上阀盖材质 Body & Bonnet Material	SCPH2/WCB,SCPH21/WC6,SCS13A/CF8,SCS14A/CF8M,SCS16A/CF3M,Ti and other alloy steels. 各种材质的使用温度·压力范围,请参见表 1 和表 2 As to the operating pressure-temperature limitation for each material, see Table 1& 2
上阀盖型式 Bonnet type	伸长 I 型 (EI) Extension Type I: -17~+566℃
压盖型式 Gland type	螺栓压紧式 Bolted gland
填料 Packing	V 型聚四氟乙烯填料、石墨填料请参见图 2 Teflon V-ring, Grafoil, etc. See Fig.2.
垫片 Gasket	平型、锯齿型 (碳钢、不锈钢 (SUS304、SUS316、SUS316L)、其它合金) Flat type, Saw-tooth type (Carbon steel, Stainless steel or other alloy steels)

表面涂层 Surface coating	银灰色（环氧树脂）。但是阀体材质为不锈钢时，本体部不加涂层。 SLV (Epoxy resin group) is standard. In the case of stainless steel body, no painting is standard.
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* 法兰标准 Standard: JIS B2201-1984、JB/T79.1-94(PN1.6MPa);JB/T79.2-94(PN4.0、6.4MPa);
ANSI B16.5-2009;HG20592-2009、HG20615-2009

阀内组件 TRIM

阀芯型式 Valve plug type	单座柱塞型 Single seated, Contoured type
阀内件材质 Trim materials	标准材质组合及使用温度·压力范围，请参见表 1 及图 1
阀内件处理 Trim materials	See Table 1&Fig.1 for hardening treatment and operating pressure-temperature
流量特性 Flow characteristics	等百分比特性（%CF）和线性特性（LCF），参见图 4 Equal percentage（%CF）and Linear（LCF），see Fig.4 Cv 值从 0.04~14 的高精度流量特性符合 IEC534-2-1976 High-precision flow characteristics（Cv value: 0.04~14）conform to IEC534-2-1976 standards.

执行机构 ACTUATOR

型号 Type	气动薄膜式 Pneumatic Diaphragm type	电子式 Electronic type	电动式 Electric Motor type
	规格 Specification	HA 多弹簧型 Multi-Spring type	EIL
用途 Purpose	调节 Modulation	调节 Modulation	调节 Modulation
供气压力或 供给电压 Air supply or Power supply	供气压力（弹簧范围） Air supply（Spring range） 140（20~100）kPa 160（20~100）kPa 280（80~240）kPa 400（80~240）kPa	电压：220 /380V 50HZ Power supply:220 /380V 50Hz 输入信号 Input signal: 4~20mA DC	电压：220 /380V 50HZ Power supply:220 /380V 50Hz 输入信号 Input signal: 4~20mA DC
接口 Connection	空气配管：Rc1/4 Air piping: Rc1/4	配线：2-PF3/4 Wiring: 2-PF3/4	配线：2-G1/2 Wiring: 2-G1/2
正作用 Direct action	气压增加阀闭 Air to valve close	输入信号阀闭 Signal increase to valve close	输入信号阀闭 Signal increase to valve close
反作用 Reverse action	气压增加阀开 Air to valve open	输入信号阀开 Signal increase to valve open	输入信号阀开 Signal increase to valve open
回差 Hysteresis error	≤1%FS（带定位器） ≤3%FS（不带定位器）	≤1%FS	≤1%FS

	$\leq 1\%FS$ (With positioner) $\leq 3\%FS$ (Without positioner)		
基本误差 Limit of intrinsic error	$\leq \pm 1\%FS$ (带定位器) $\leq \pm 5\%FS$ (不带定位器) $\leq \pm 1\%FS$ (With positioner) $\leq \pm 5\%FS$ (Without positioner)	$\leq \pm 1\%FS$	$\leq \pm 1\%FS$
环境温度 Ambient temperature	标准型 Standard type-30~+70℃ 高温型 High Temp.service 0~+100℃ 低温型 Low Temp.service -40~+40℃	-20~+70℃	-25~+70℃
油漆颜色 Painting	蓝色 Munsell 色标 10B5/10 Blue (Munsell color 10B5/10)		
附件 Accessories	定位器、空气过滤减压阀、保位阀、阀传送器、手轮机构等 Positioner, Air-set, Lock-up valve, Position transmitter, Hand wheel and others	EIL 执行机构手轮 Handwheel	RS 执行机构手轮 Handwheel

性能 PERFORMANCE

CV 值及行程 Rated CV value and Travel	请参见表 3 See Table 3
阀座泄漏量 Seat Leakage	请参见表 1 See Table 1
可调范围 Rangeability	50 ($0.25 \leq Cv \leq 14$) 或 30 ($Cv \leq 0.16$)
允许压差 Allowable pressure drops	请参见表 4 See Table 4
产品重量 Weight	请参见表 4 See Table 4
配管安装示意图 Actuator orientation	请参见图 3 See Fig.3

表 1 阀体、阀内件材质组合及使用温度范围• 阀座允许泄漏量

Table 1 BODY/TRIM STANDARD MATERIAL COMBINATION, OPERATING TEMPERATURE AND SEAT LEAKAGE

- R.TFE: 强化聚四氟乙烯 Reinforced Teflon
- HT : 热处理 Heat treatment
- SS : 部分堆焊司太莱合金 Stellite seat surface
- SF : 全部堆焊司太莱合金 Stellite full surface

表 1-1 阀体材质：碳钢

Table 1-1 BODY MATERIALS: CARBON STEEL

阀体材质 Body materials		SCPH2/A216-WCB,SCPH21/A217-WC6		
阀芯 Plug	材质 materials	SUS304/316	SUS304/316	SUS304/316
	处理 treatment	---	R.TFE	SS/SF
阀座 Seat ring	材质 materials	SUS304/316	SUS304/316	SUS304/316
	处理 treatment	---	---	SS/SF
导向套 Guide	材质 materials	SUS420	SUS420	SUS420
	处理 treatment	HT	HT	HT
垫圈 Gasket	材质 materials	SUS316L	SUS316L	SUS316L
夹套 Jacket	材质 materials	A3	A3	A3
阀座允许泄漏率 Seat Leakage	ANSI	Class IV	Class VI	Class IV
	Rated Cv x	0.01%	Bubble-tight	0.01%
使用温度 Operating Temp. °C	WCB Body	-17~+350	-17~+230	-17~+350
	WC6 Body	-17~+566		-17~+566

注：夹套蒸汽压力≤1.0MPa，温度≤350℃。

Note: The steam pressure of jacket is smaller than 1.0MPa and temperature is smaller than 350℃

表 1-2 阀体材质：不锈钢

Table 1-2 BODY MATERIALS: STAINLESS STEEL

阀体材质 Body materials		SCS13A/A351-CF8,SCS14A/A351-CF8, SCS16A/A351-CF3M		
阀芯 Plug	材质 materials	SUS304/316/316L	SUS304/316	SUS304/316/316L
	处理 treatment	---	R.TFE	SS/SF
阀座 Seat ring	材质 materials	SUS304/316/316L	SUS304/316/316L	SUS304/316/316L
	处理 treatment	---	---	SS/SF
导向套 Guide	材质 materials	SUS304/316/316L	SUS304/316/316L	SUS304/316/316L
	处理 treatment	ST	R.TFE	ST
垫圈 Gasket	材质 materials	SUS316L	SUS316L	SUS316L
夹套 Jacket	材质 materials	SUS304	SUS304	SUS304
阀座允许泄漏率 Seat Leakage	ANSI	Class IV	Class VI	Class IV
	Rated Cv x	0.01%	Bubble-tight	0.01%
使用温度 Operating Temp. °C		-17~+566	-17~+230	-17~+566

注：夹套蒸汽压力≤1.0MPa，温度≤350℃。

Note: The steam pressure of jacket is smaller than 1.0MPa and temperature is smaller than 350℃

表 2 阀体材质使用温度· 压力范围

Table 2 BODY MATERIAL/OPERATING PRESSURE-TEMPERATURE RATIO

表 2-1 Table 2-1 ANSI

UNIT:MPa

温度 Temp. °C	ANSI150					ANSI300					ANSI600				
	LCB	WCB	WC6	SCS13A	SCS14A	LCB	WCB	WC6	SCS13A	SCS14A	LCB	WCB	WC6	SCS13A	SCS14A
				CF8	CF8M				CF8	CF8M				CF8	CF8M
-196~38	—	—	—	1.90	1.90	—	—	—	4.95	4.95	—	—	—	9.91	9.92
-45~38	1.84	—	—	1.90	1.90	4.78	—	—	4.95	4.95	9.57	—	—	9.91	9.92
-5~38	1.84	1.96	1.99	1.90	1.90	4.78	5.10	5.16	4.95	4.95	9.57	10.2	10.32	9.91	9.92
50	1.81	1.92	1.92	1.84	1.84	4.72	5.00	5.16	4.77	4.80	9.46	10.1	10.32	9.56	9.62
100	1.72	1.76	1.76	1.56	1.61	4.51	4.63	5.14	4.08	4.21	9.02	9.27	10.29	8.17	8.43
150	1.57	1.57	1.57	1.39	1.47	4.40	4.51	5.01	3.62	3.85	8.78	9.04	10.03	7.26	7.69
200	1.40	1.40	1.40	1.25	1.37	4.26	4.38	4.88	3.27	3.56	8.54	8.75	9.75	6.54	7.12
250	1.20	1.20	1.20	1.16	1.20	4.05	4.16	4.62	3.04	3.34	8.11	8.33	9.26	6.10	6.67
300	1.01	1.01	1.01	1.01	1.01	3.76	3.87	4.23	2.91	3.15	7.54	7.74	8.48	5.80	6.32
350	0.84	0.84	0.84	0.84	0.84	3.59	3.69	4.01	2.81	3.03	7.18	7.38	8.04	5.60	6.07
375		0.73	0.73	0.73	0.73		3.64	3.88	2.77	2.96		7.28	7.75	5.54	5.93
400		0.64	0.64	0.64	0.64		3.44	3.65	2.74	2.91		6.89	7.31	5.48	5.81
425		0.55	0.55	0.55	0.55		2.88	3.44	2.71	2.87		5.74	6.91	5.42	5.72
450		0.47	0.47	0.47	0.47		1.99	3.08	2.68	2.81		4.00	6.17	5.37	5.61
475		0.37	0.37	0.37	0.37		1.35	2.58	2.65	2.73		2.70	5.17	5.30	5.46
500		0.28	0.28	0.28	0.28		0.88	2.02	2.60	2.67		1.75	4.04	5.20	5.37
525		0.18	0.18	0.18	0.18		0.51	1.53	2.19	2.57		1.03	3.07	4.77	5.15
550		—						1.20	2.00	2.40			2.40	4.00	4.60
566								1.00	1.90	2.20			2.00	3.80	4.50

表 2-2 Table 2-2 JB/T79-94 或 HG20592-2009

UNIT:MPa

温度 Temp. °C	PN16	PN40	PN63	PN100	温度 Temp. °C	PN16	PN40	PN63	PN100
	ZG230-450					ZG0Cr18Ni9			
-5~200	1.60	4.00	6.30	10.0	-45~200	1.60	4.00	6.30	10.0
~250	1.40	3.50	5.40	9.00	~300	1.40	3.50	5.40	9.00
~300	1.20	3.00	4.80	7.50	~400	1.20	3.00	4.80	7.50
~350	1.10	2.60	4.00	6.60	~480	1.10	2.60	4.00	6.60
~400	0.90	2.30	3.70	5.80	~520	0.90	2.30	3.70	5.80
~425	0.80	2.00	3.20	5.00	~560	0.80	2.00	3.20	5.00
~435	0.70	1.80	2.80	4.50					
~445	0.62	1.60	2.50	4.20					
~455	0.57	1.40	2.30	3.60					

图 1 阀内件材质·处理

Fig.1 TRIM MATERIAL/TREATMENT

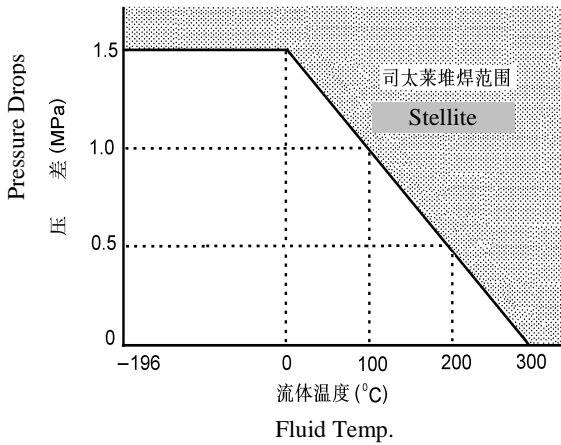


图 1-1 司太莱的工作范围
Fig.1-1 Temperature/normal differential pressure ranges requiring Stellite

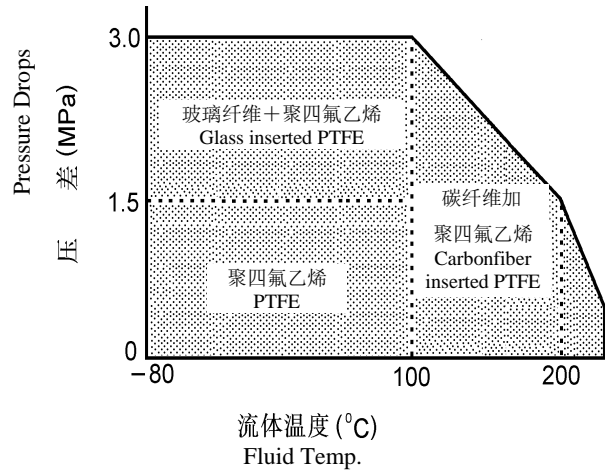


图 1-2 软阀座的工作温度和压差的范围
Fig.1-2 Temperature and maximum differential pressure range for soft seat

- 注:
1. 空化和闪蒸或者水的温度超过 100 ℃热场合, 建议用 9Cr18 硬化不锈钢。
 2. 空化、闪蒸、禁油及常处于关闭状态
 3. 如 $C_v \leq 0.16$, 阀芯全部堆焊司太莱合金或用 9Cr18 硬化不锈钢。

Note: 1. 9Cr18 hardened stainless steel is recommended for valves in cavitation/flashing situation or superheated service of water higher than 100℃.
2. Stellite is recommended for the cavitation/flashing, oil prohibitive and valve-close situation.
3. When C_v value is 0.16 or lower, Stellite faced valve plug or 9Cr18 hardened stainless steel valve plug are standard.

图 2 软阀座材质及填料使用温度·压力范围

Fig.2 SOFT SEAT MATERIAL & PACKING PRESSURE · TEMPERATURE RATINGS

图 2-1 软密封(增强聚四氟乙烯)
Fig. 2-1 Soft seal (R. TFE V-RING)

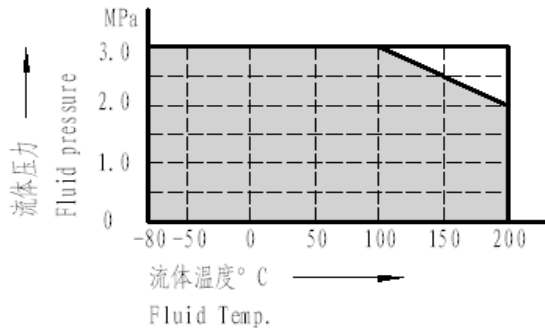


图 2-2 聚四氟乙烯碳纤维/聚四氟乙烯石棉
Fig. 2-1 TFE FIBER/TFE-ASBESTOS

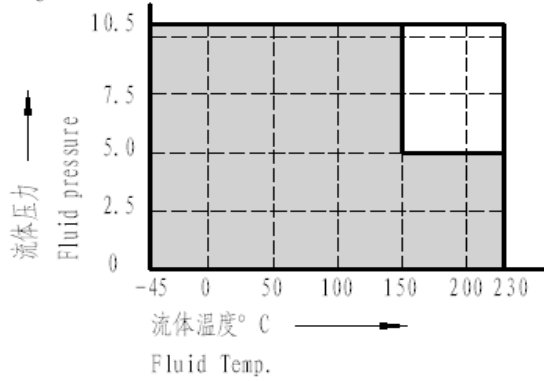


图 2-3 柔性石墨
Fig. 2-3 GRAFOIL

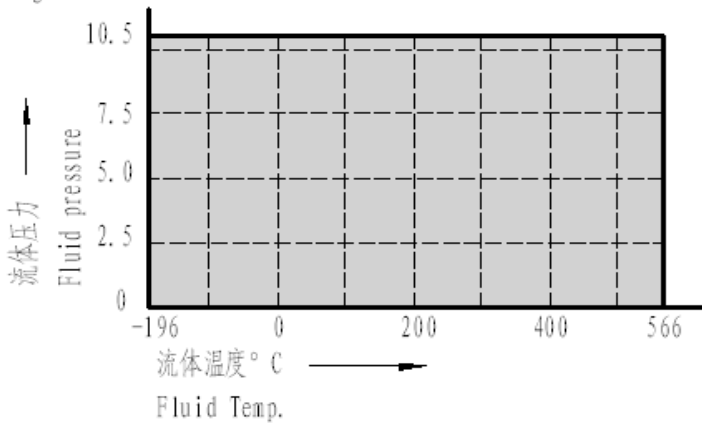


图 2-4 V型聚四氟乙烯填料
Fig. 2-4 PTFE V-RING

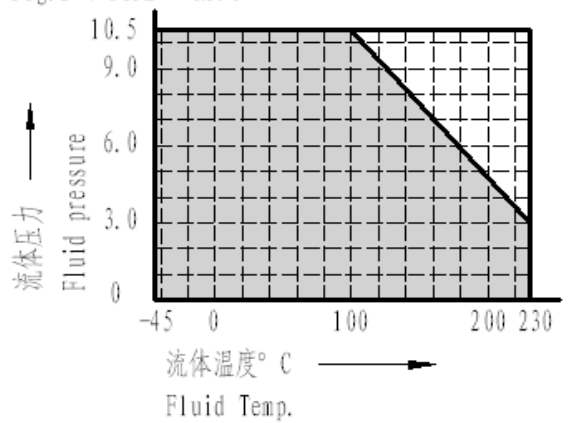


图 3 阀体部件结构 Fig.3 BODY SECTION

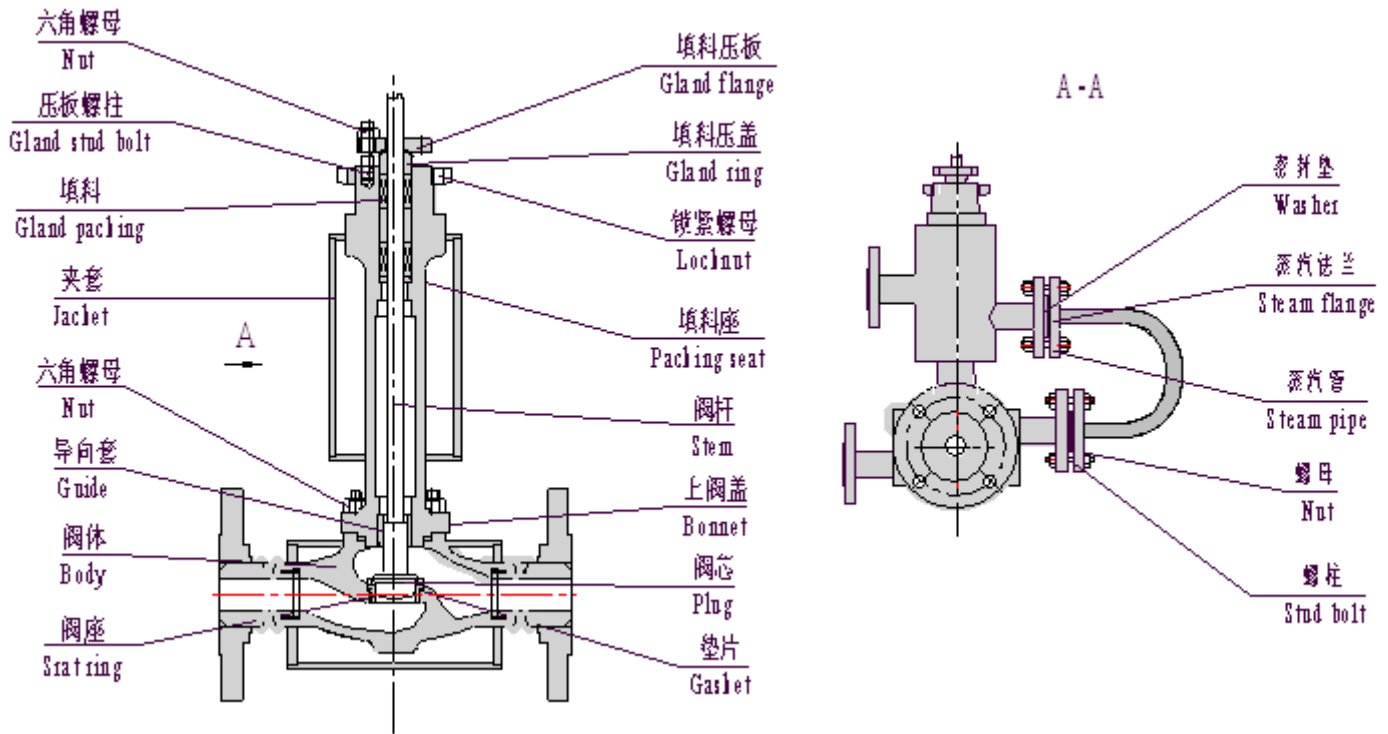


图 3-1 HLSJ 半保温夹套阀

Fig.3-1 HLSJ Segmental Steam Jacket Valve

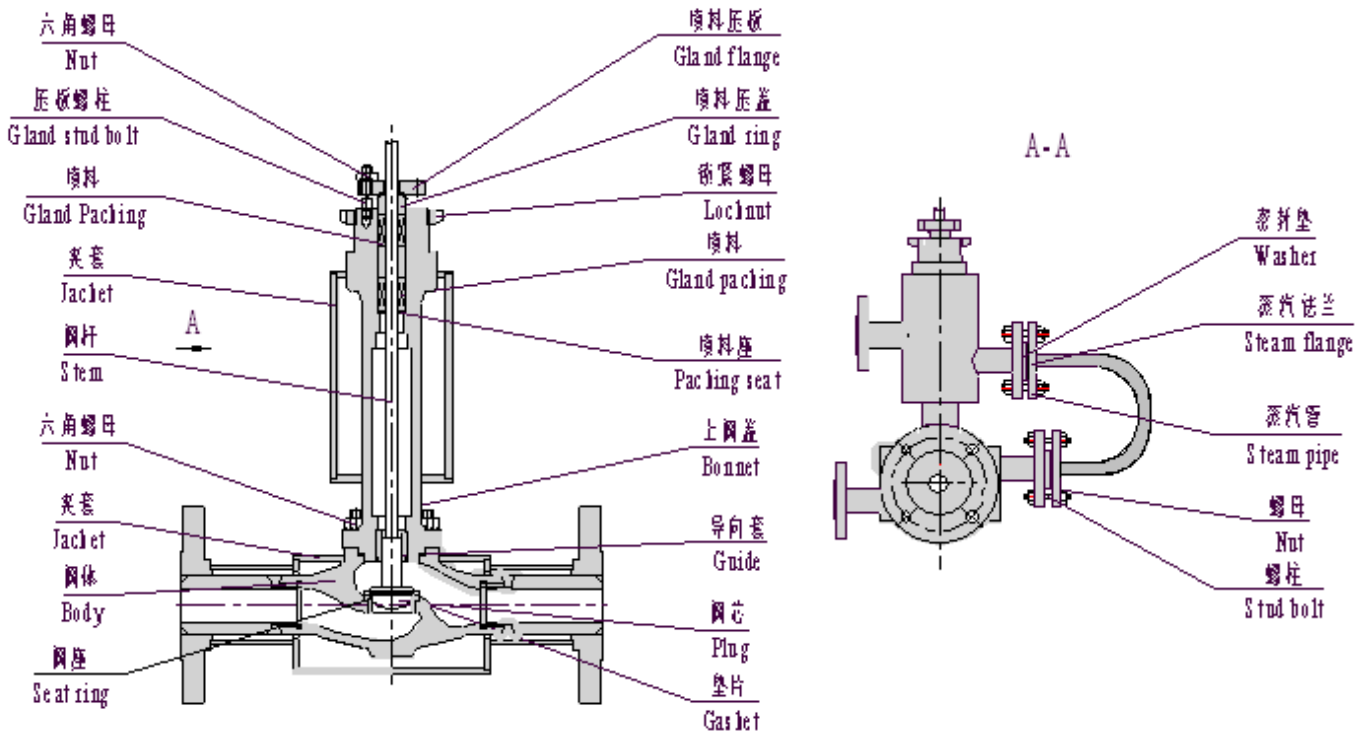


图 3-1 HLSB 全保温夹套阀

Fig.3-1 HLSB Full Steam Jacket Valve

表 3 CV 值和行程

Table 3 Rated CV value and Travel

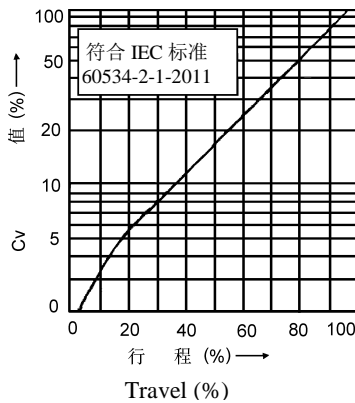
流量特性 Flow characteristics	额定行程 Rated Travel	0.01	0.04	0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
等百分比 (%CF) Equal percentage	14.3					○	△	△	△	△	△	△	△	△	△
线性(LCF) Linear		○	○	○	○	○	△	△	△	△	△	△	△	△	△
公称通径 Nominal size	20	6	6	6	6	6	8	8	11	11	14	14	19	22	
	25	6	6	6	6	6	8	8	11	11	14	14	19	22	28

注: 1. 符号○和△表示阀的规格范围。
2. 符号△表示阀的流量特性符合 IEC534-2-1976 标准。

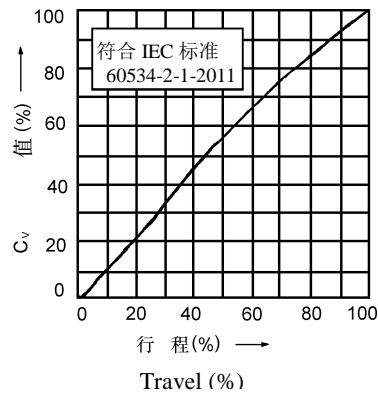
Note: 1. ○ and △ denotes production ranges.
2. △ denotes the flow characteristics complying with the IEC534-2-1976 standards.

图 4 典型流量特性曲线

Fig.4 TYPICAL FLOW CHARACTERISTICS



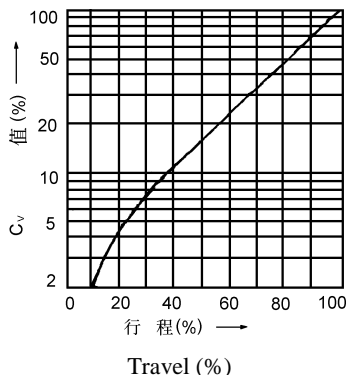
等百分比特性 (%CF 金属阀座)
Equal percentage characteristics (%CF metal seat)



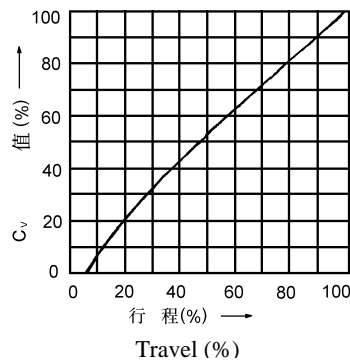
线性特性 (LCF 金属阀座)
Linear characteristics (LCF metal seat)

图 4-1 高精度的流量特性曲线 (Cv=0.4~14)

Fig.4-1 High-precision flow characteristics (Cv=0.4~14)



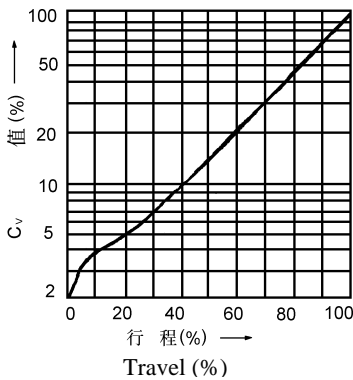
等百分比特性 (%TF 软阀座)
Equal percentage characteristics (%TF soft seat)



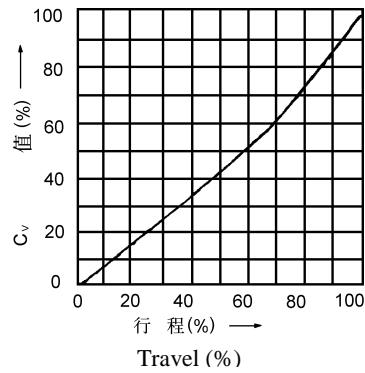
线性特性 (LTF 金属阀座)
Linear characteristics (LTF soft seat)

图 4-2 柱塞型阀芯的流量特性曲线 (Cv=0.4~14)

Fig.4-2 Flow characteristics: Contoured type (Cv=0.4~14)



等百分比特性 (%CF 金属阀座、%TF 软阀座)
Equal characteristics (%CF metal seat, %TF soft seat)



线性特性 (LCF 金属阀座、LTF 软阀座)
Linear characteristics (LCF metal seat, LTF soft seat)

图 4-3 柱塞型阀芯的流量特性曲线 (Cv=0.01~0.25)
Fig.4-3 Flow characteristics: Contoured type (Cv=0.01~0.25)

表 4 允许压差

Table 4 ALLOWABLE PRESSURE DROPS

表 4-1 薄膜式执行机构 (HA)

Table 4-1 DIAPHRAGM ACTUATOR (HA)

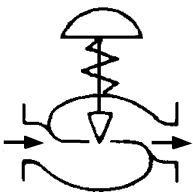
I. 柱塞阀芯、金属阀座 (%CF,LCF)

I. Contoured-type plug and metal seat (%CF,LCF)

表 4-1-1 气—关式阀

Table 4-1-1 Air-to-close

100kPa

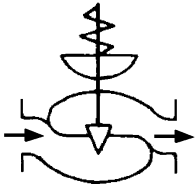


执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	定位器 Positioner	允许压差 Allowable pressure drops									
				额定 Cv 值 Rated Cv									
				≤0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
HA2D	1.4	0.2~1.0	Yes or No	40*	40*	40*	32.6	32.6	20	20	10.9	8.2	5.0
				52	52	52							
	1.6	0.2~1.0	Yes	—	40*	40*	40*	40*	40*	40*	40*	40*	25.2
4.0	0.8~2.4	Yes	—	—	—	—	—	—	—	—	40*	40*	40*
											52	52	52

表 4-1-2 气—开式阀

Table 4-1-2 Air-to-open

100kPa



执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	定位器 Positioner	允许压差 Allowable pressure drops									
				额定 Cv 值 Rated Cv									
				≤0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
HA2R	1.4	0.2~1.0	Yes or No	40*	40*	40*	32.6	32.6	20	20	10.9	8.2	5.0
				52	52	52							
HA2R	2.8	0.8~2.4	Yes	—	40*	40*	40*	40*	40*	40*	40*	40*	40*
				52	52	52	52	52	52	52	52	52	52

- 注: 1. 最大允许压差不准超过 ANSI B16.34—1981 或 JIS B2201—1984 标准规定的最大工作压力。
2. 同一格内的上方数字表示阀常开允许压差, 下方数字表示阀全关时的允许压差。
3. 带有*的允许压差, 阀控制液体时, 允许压差只能为 3MPa, 超过 3MPa 时, 请选用 HLC 调节阀。
4. 灰色框内数字表示阀配用标准规格执行机构。

Note: 1. Take care not to cause the allowable maximum pressure drops to exceed the maximum operating pressure designated by ANSI B16.34—1981 或 JIS B2201—1984.

2. The upper figures denote the operating allowable pressure drops; the lower denote the allowable pressure drops at full closure.

3. The operating pressure drops with an asterisk(*)should be read as 3MPa when the valves control the liquid, use the HLC-type valve when the pressure drops exceeds 3 MPa.

4. The figures in gray denote the standard actuator specifications.

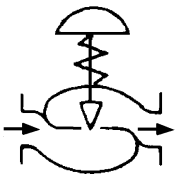
II. 柱塞阀芯、软阀座 (%TF、LTF)

II. Contoured-type plug and soft seat (%TF、LTF)

表 4-1-3 气—关式阀

Table 4-1-3 Air-to-close

100kPa

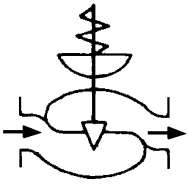


执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	定位器 Positioner	允许压差 Allowable pressure drops									
				额定 Cv 值 Rated Cv									
				≤0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
HA2D	1.4	0.2~1.0	有或无 With or Without	20	20	20	20	20	14	14	7.6	5.7	3.5
			有 With	—	30	30	30	30	30	30	30	28	17.6
	4.0	0.8~2.4	有 With	—	—	—	—	—	—	—	30	30	30

表 4-1-4 气—开式阀

Table 4-1-4 Air-to-open

100kPa



执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	定位器 Positioner	允许压差 Allowable pressure drops									
				额定 Cv 值 Rated Cv									
				≤0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
HA2R	1.4	0.2~1.0	有或无 With or Without	20	20	20	20	20	14	14	7.6	5.7	3.5
	4.0	0.8~2.4	有 With	—	30	30	30	30	30	30	30	30	24

注：1. 最大允许压差不准超过 ANSI B16.34—1981 或 JIS B2201—1984 标准规定的最大工作压力。
2. 黑线框内数字表示阀配件标准规格执行机构。

Note: 1. Take care not to cause the allowable maximum differential pressure to exceed the maximum operating pressure designated by ANSI B16.34—1981 或 JIS B2201—1984.
2. The figures in gray denote the standard actuator specifications.

表 4-2 电子式执行机构 (EIL04) 及电动式执行机构 (RS4)

Table 4-2 ELECTRONIC ACTUATOR (EIL04) & ELECTRIC MOTOR ACTUATOR (RS4)

100kPa

型号 Model	阀座型式 Seat type	允许压差 Allowable pressure drops									
		额定 Cv 值 Rated Cv									
		≤0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	14
EIL04	金属密封 Metal seal	20	20	20	20	20	20	20	20	20	20
	软密封 Soft seal	100	100	100	100	100	100	100	100	100	100
RS4	金属密封 Metal seal	20	20	20	20	20	20	20	20	20	20
	软密封 Soft seal	30	30	30	30	30	30	30	30	30	30

注：1. 最大允许压差不准超过 ANSI B16.34—1981 或 JIS B2201—1984 标准规定的最大工作压力。
2. 同一格内的上方数字表示阀常开允许压差，下方数字表示阀全关时的允许压差。

Note: 1. Take care not to cause the allowable maximum pressure drops to exceed the maximum operating pressure designated by ANSI B16.34—1981 或 JIS B2201—1984.
2. The upper figures denote the operating allowable pressure drops; the lower denote the allowable pressure drops at full closure.

表 5 尺寸

Table 5 DIMENSIONS

表 5-1 法兰距尺寸

Table 5-1 Fact-to-Face dimensions

mm

公称口径 Normal size	A				
	阀体部分保温 Segmental Steam Jacket		阀体全部保温 Full Steam Jacket		
	ANSI 150 RF JIS 10K RF PN16 RF	ANSI 300 RF JIS 10K RF JIS 16K RF	配管口径 Piping size	ANSI 150 RF JIS 10K RF	ANSI 300 RF JIS 10K RF JIS 16K RF
15、20、25	240	240	40	320	320

注：法兰距符合 IEC 534-3-1976 标准。

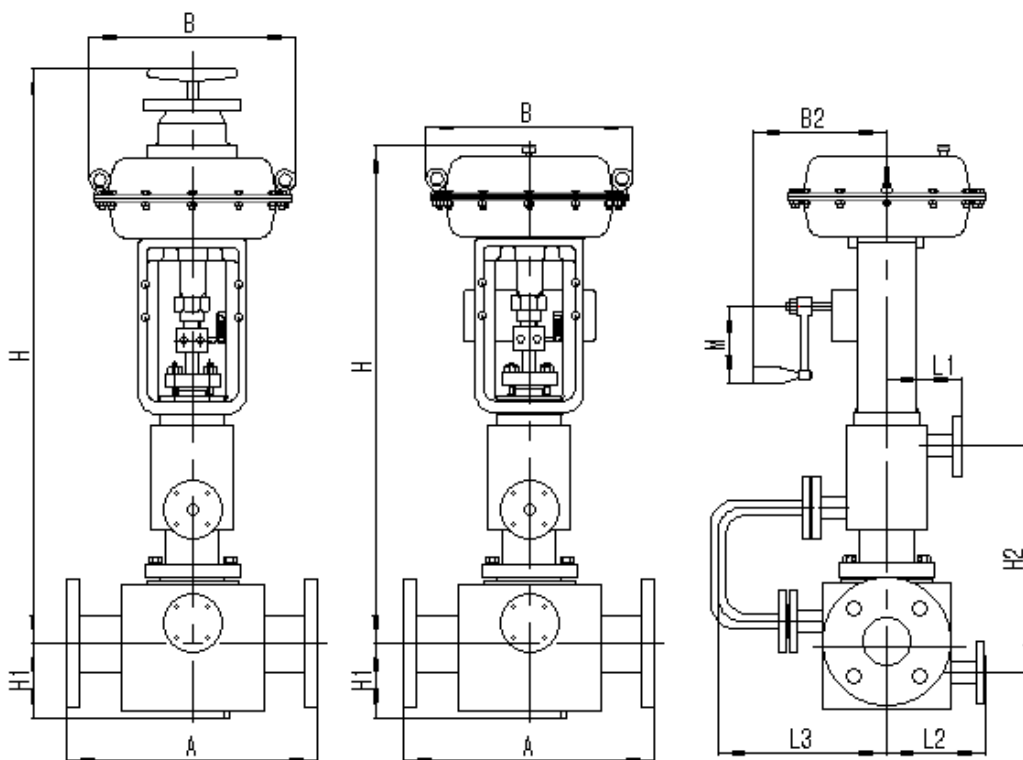
Note: Face-to-face dimensions comfort to IEC 534-3-1976 Standard.

表 5-2 外形尺寸

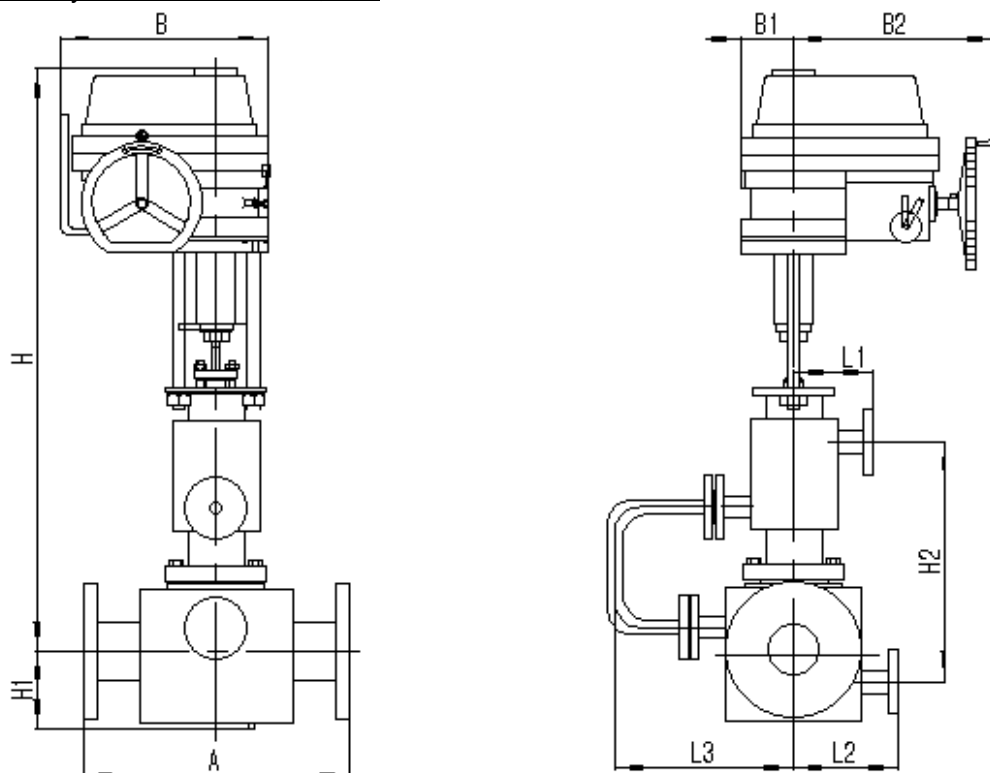
Table 5-2 Other dimensions

mm

执行机构 Actuator	H		H2	L1	L2	L3	M	B1	B2	B	H1
HA2D、R	不带手轮机构 Without handwheel	700	250	105	110	230	-	-	-	267	80
	带侧装手轮机构 With side-mounted handwheel	700					175	273.5	-		
	带顶装手轮机构 With top-mounted handwheel	965					-	-	-		
EIL04	915							260	267		



配 HA 执行机构
With type HA



配 EIL 执行机构
With type EIL

图 5 法兰距及外形尺寸

Fig.5 Face-to-Face dimension and Other dimensions

表 4 重量

Table 4 WEIGHT

Kg

公称 口径 Nominal size	执行 机构 Actuator	ANSI 125、150 JIS 10K		ANSI 300、JIS 16、20K	
		HLSJ	HLSB	HLSJ	HLSB
15、20、25	HA2D、R	30	35	31	36
	EIL04	23	28	24	29
	RS4	33	38	44	49

蒸汽夹套

夹套内蒸汽介质：压力 $\leq 1.0\text{MPa}$ ，温度 $\leq 350^\circ\text{C}$

夹套的材料：一般场合提供 A3 钢，特殊指定 SUS304 不锈钢

夹套分类 I：阀体半保，阀盖保温；

II：阀体全保，阀盖保温

夹套蒸汽输入接口：法兰式（PN1.0Mpa DN15）；特殊需注明

Steam jacket

Steam: $P \leq 1.0\text{MPa}$, $T \leq 350^\circ\text{C}$

Material: Adopt A3 steel in common use, and adopt SUS304 stainless steel in special.

Classification: I. Segmental steam jacket for valve body and heat preservation for cover

II. Full steam jacket for valve body and heat preservation for cover

Steam jacket input: Flanged type (PN1.0Mpa DN15); Please make the notes if specialty