



## HPAS 高压单座角型阀

## High Pressure Single Seated Angle Valve

**HPAS** 高压单座角型阀阀芯采用上导结构，阀体结构紧凑，流体通道呈 S 型，压降损失小，流量大，可调范围广。阀芯部分导向面积大，抗振性能强。

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或气缸执行机构，其结构紧凑，输出力大。

产品符合 GB/T4213-2008 标准

**HPAS** High pressure Single seated Angle Valve with a top-guided valve plug, a compact valve body and an S-shape flow passage which features low pressure loss, large flow capacity and wide rangeability. The oriented area of the plug is in large which are of strong vibration-resistance.

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

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

### 标准规格 STANDARD SPECIFICATION

#### 阀体 BODY

形式 Type	角型单座铸造球型阀 Angle, single seated, cast globe valve
公称通径 Normal size	25、40、50、80mm
公称压力 Pressure rating	ANSI Class 900, 1500, 2500; JIS 63K *
连接型式 End connections	法兰型 Flanged: RF、RJ 焊接型 Welded end: SW (25~80mm) ; BW (80mm)
尺寸 Dimensions	请参见表 5 See Table 5
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	常温型 (P) Plain type : -17~+230℃ 伸长 I 型 (EI) Extension Type I: +230~+566℃, -45~-17℃ 伸长 II 型 (EII) Extension Type II: -196~-45℃
压盖型式 Gland type	螺栓压紧式 Bolted gland
填料 Packing	聚四氟乙烯碳纤维、JM397 石墨填料，请参见图 2 Teflon fiber and JM397 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、ANSI B16.5-2009、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
阀内件处理 Trim materials	See Table 1 for hardening treatment and operating pressure-temperature
流量特性 Flow characteristics	等百分比特性 (%C) 和线性特性 (LC), 参见图 4 Equal percentage (%C) and Linear (LC), see Fig.4

### 执行机构 ACTUATOR

型号 Type	气动薄膜式 Pneumatic Diaphragm type	气缸活塞式 Cylinder piston type		电子式 Electronic type	智能式 Intelligent type
	HA	VA6	VP	EIL	M8 系列
规格 Specification	多弹簧型 Multi-Spring type	单作用 Single acting	双作用 Double acting		
用途 Purpose	调节 Modulation	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	供气压力 Air supply 400~700kPa		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	空气配管 Air piping: G3/8 (VA6、VP5、 VP6) ; G1/2 (VP7)		配线:2-PF3/4 Wiring: 2-PF3/4	配线:2-PF3/4 Wiring: 2-PF3/4
正作用 Direct action	气压增加阀闭 Air to valve close	气压增加阀闭 Air to valve close		输入信号阀闭 Signal increase to valve shut	输入信号阀闭 Signal increase to valve shut
反作用 Reverse action	气压增加阀开 Air to valve open	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) ≤ 1%FS ( With	≤1%FS (带定位器) ≤ 1%FS ( With		≤1%FS	≤1%FS

	positioner)	positioner)		
<b>基本误差</b> <b>Limit of intrinsic error</b>	≤±1%FS (带定位器) ≤ ±1%FS ( With positioner)	≤±1%FS (带定位器) ≤ ±1%FS ( With positioner)	≤±1%FS	≤±1%FS
<b>环境温度</b> <b>Ambient temperature</b>	标准型 Standard type-30~+70℃ 高温型 High Temp.service 0~+100℃ 低温型 Low Temp.service -40~+40℃	标准型 Standard type-20~+60℃ 高温型 High Temp.service 0~+100℃ 低温型 Low Temp.service -50~+60℃	-20~+70℃	-20~+70℃
<b>油漆颜色</b> <b>Painting</b>	蓝色 Munsell 色标 10B5/10 Blue (Munsell color 10B5/10)	蓝色 Munsell 色标 10B5/10 Blue (Munsell color 10B5/10)		
<b>附件</b> <b>Accessories</b>	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	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	EIL 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 : 1
允许压差 Allowable Pressure Drops	请参见表 4 See Table 4
产品重量 Weight	请参见表 5 See Table 5

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
- ST : 堆焊司太莱合金          Partial stellite
- 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 MATERIAL: CARBON STEEL**

阀体材质 Body material		SCPH2/A216-WCB,SCPH21/A217-WC6,SCPL1/A352-LCB		
阀芯 Plug	材质 material	SUS410	SUS304/316	SUS304/316
	处理 treatment	HT	SS	SF
阀座 Seat ring	材质 material	SUS410	SUS304/316	SUS304/316
	处理 treatment	HT	SS	SF
导向套 Guide	材质 material	SUS630	SUS630	SUS630
	处理 treatment	HT	HT	HT
垫圈 Gasket	材质 material	SUS316L	SUS316L	SUS316L
阀座允许泄漏量 Seat Leakage	ANSI	Class IV	Class IV	Class IV
	Rated Cv×	0.01%	0.01%	0.01%
使用温度 Operating Tep. °C	SCPH2/WCB Body	-17~+425		
	SCPH21/WC6 Body	-17~566		
	SCPL1/LCB Body	-45~+350		

表 1-2 阀体材质: 不锈钢

**Table 1-2 BODY MATERIAL: STAINLESS STEEL**

阀体材质 Body material		SCS13A/CF8,SCS14A/CF8M,SCS16A/CF3M		
阀芯 Plug	材质 material	SUS304/316/316L	SUS304/316/316L	
	处理 treatment	SS	SF	
阀座 Seat ring	材质 material	SUS304/316/316L	SUS304/316/316L	
	处理 treatment	SS	SF	
导向套 Guide	材质 material	SUS304/316/316L	SUS304/316/316L	
	处理 treatment	ST	ST	
垫圈 Gasket	材质 material	SUS316L	SUS316L	
阀座允许泄漏量 Seat Leakage	ANSI	Class IV	Class IV	
	Rated Cv×	0.01%	0.01%	
使用温度 Operating Temp. °C		-196~+566		

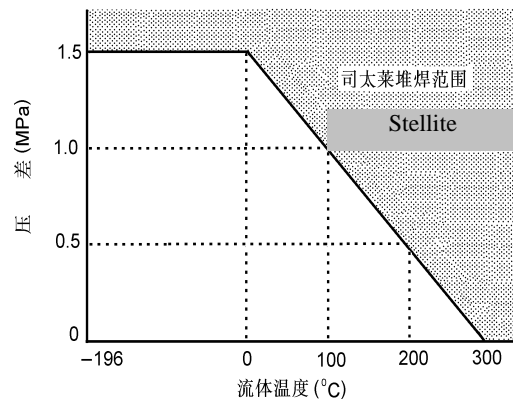
表 2 阀体材质使用温度· 压力范围

Table 2 BODY MATERIAL/OPERATING PRESSURE-TEMPERATURE RATIO UNIT:MPa

温度 Temp. ℃	ANSI900						ANSI1500						ANSI2500					
	LCB	WCB A105	WC6 F11	WC9 F22	SCS13A F304 CF8	SCS14A F316 CF8M	LCB	WCB A105	WC6 F11	WC9 F22	SCS13A F304 CF8	SCS14A F316 CF8M	LCB	WCB A105	WC6 F11	WC9 F22	SCS13A F304 CF8	SCS14A F316 CF8M
-196~38	—	—	—	—	14.88	14.88	—	—	—	—	24.79	24.79	—	—	—	—	41.34	41.34
-45~38	14.35	—	—	—	14.88	14.88	23.92	—	—	—	24.79	24.79	39.87	—	—	—	41.34	41.34
-5~38	14.35	15.31	15.50	15.50	14.88	14.88	23.92	25.51	25.84	25.84	24.79	24.79	39.87	42.52	43.07	43.07	41.34	41.34
50	14.18	15.01	15.33	15.35	14.34	14.43	23.64	25.02	25.55	25.58	23.90	24.04	39.40	41.70	42.59	42.64	39.84	40.07
100	13.52	13.90	14.62	14.70	12.25	12.65	22.53	23.16	24.36	24.50	20.42	21.09	37.56	38.62	40.61	40.85	34.01	35.14
150	13.18	13.56	13.90	13.98	10.89	11.54	21.96	22.60	23.18	23.30	18.16	19.24	36.60	37.66	38.61	38.84	30.26	32.07
200	12.79	13.14	13.63	13.45	9.82	10.69	21.32	21.89	22.73	22.40	16.37	17.83	35.53	36.50	37.88	37.35	27.28	29.71
250	12.17	12.51	13.33	13.26	9.15	10.02	20.28	20.84	22.22	22.10	15.26	16.68	33.80	34.75	37.03	36.83	25.43	27.80
300	11.30	11.61	12.72	12.72	8.71	9.49	18.84	19.36	21.20	21.20	14.52	15.80	31.40	32.26	35.33	35.33	24.20	26.34
350	10.78	11.08	12.06	12.06	8.42	9.12	17.96	18.46	20.11	20.11	14.02	15.20	29.95	30.78	33.51	33.51	23.36	25.36
375		10.94	11.63	11.63	8.32	8.91		18.22	19.38	19.38	13.86	14.84		30.37	32.32	32.32	23.12	24.74
400		10.34	10.98	10.98	8.23	8.72		17.24	18.28	18.28	13.72	14.55		28.73	30.47	30.47	22.87	24.25
425		8.62	10.53	10.53	8.14	8.59		14.37	17.54	17.54	13.57	14.32		23.94	29.23	29.23	22.63	23.87
450		6.01	10.13	10.13	8.06	8.42		10.02	16.89	16.89	13.42	14.03		16.68	28.16	28.16	22.37	22.79
475		4.06	9.50	9.50	7.97	8.20		6.76	15.82	15.82	13.27	13.67		11.28	26.36	26.36	22.13	22.34
500			8.33	8.33	7.81	8.05			13.89	13.89	13.02	13.40			23.15	23.15	21.71	21.47
525			6.08	6.58	7.15	7.73			10.12	10.96	11.94	12.89			16.88	18.26	19.88	20.79
550			3.83	4.91	6.54	7.49			6.38	8.17	10.91	12.48			10.63	13.63	18.17	17.85
575			2.55	3.51	6.02	7.22			4.24	5.85	10.04	12.04			7.08	9.74	16.72	15.20
600			1.75	2.29	5.01	6.43			2.94	3.82	8.35	10.71			7.90	6.36	13.92	17.85
625					3.92	5.48					6.54	9.12					10.89	15.20
650					3.16	4.23					5.25	7.06					8.75	11.76
675					2.33	3.78					3.88	6.31					6.45	10.53

图 1 阀内件材质·处理

Fig.1 TRIM MATERIAL/TREATMENT



司太莱的工作范围  
Temperature/normal differential pressure ranges requiring Stellite

- 注: 1. 空化和闪蒸或者水的温度超过 100 °C 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°C.

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 填料使用温度·压力范围

Fig.2 PACKING PRESSURE · TEMPERATURE RATINGS

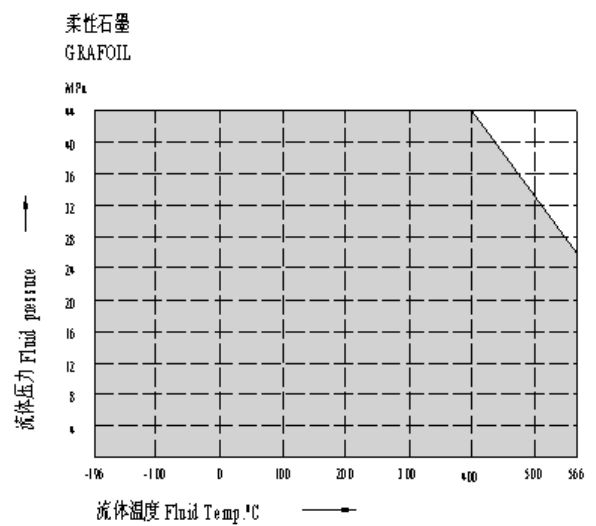
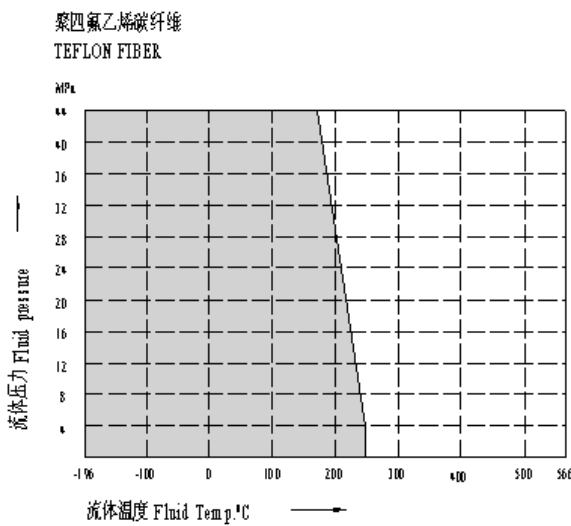


图 3 阀体部件结构 Fig.3 BODY SECTION

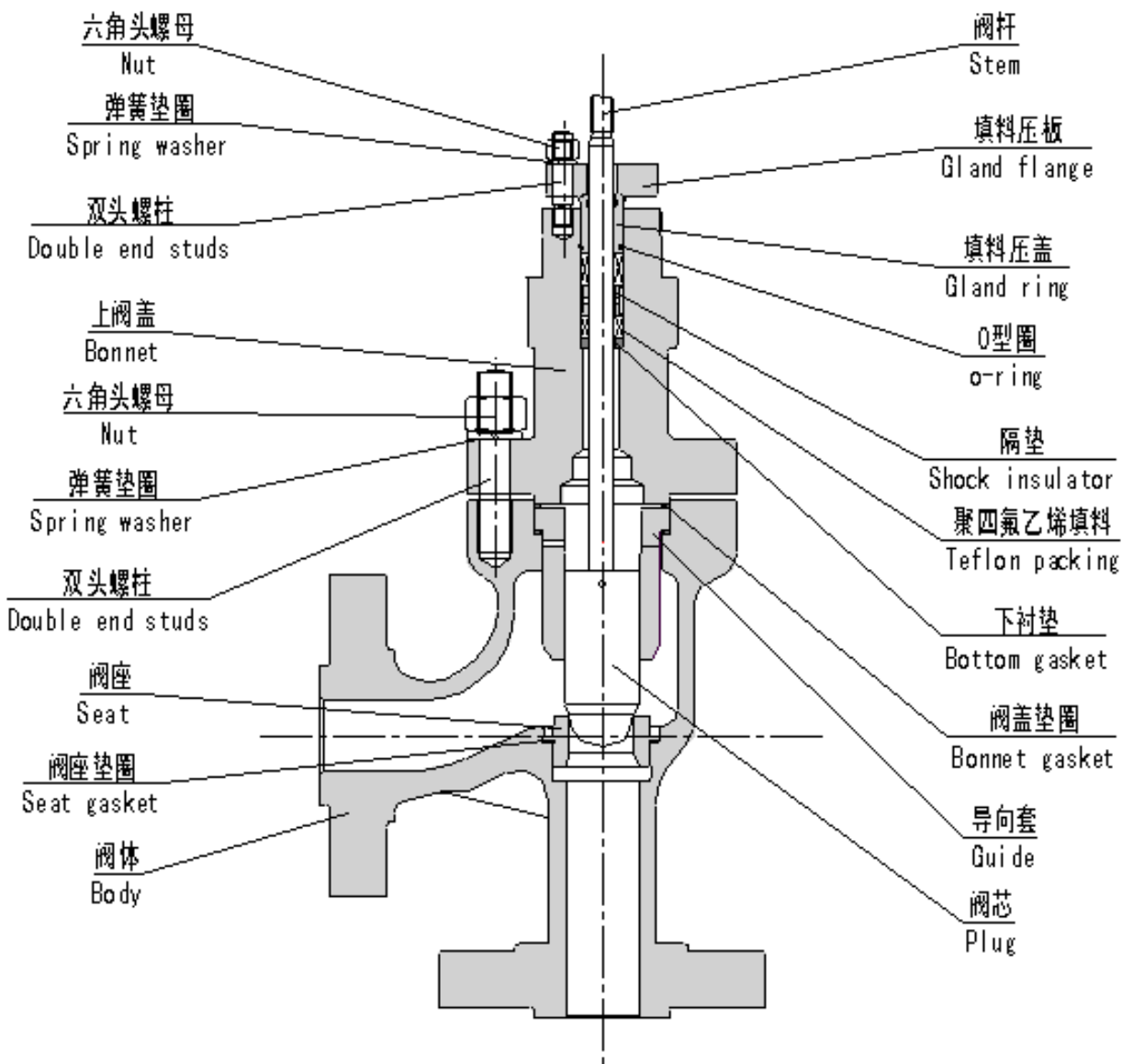


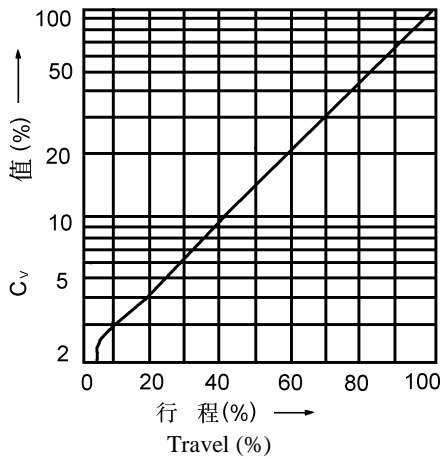
表 3 CV 值和行程

Table 3 Rated Cv value and travel

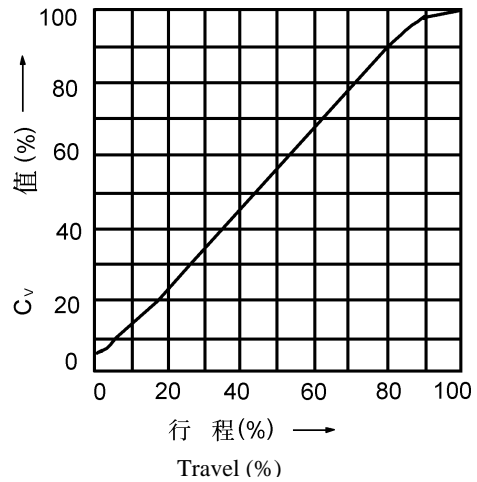
公称通径 Nominal size			25									40			50			80		
阀座直径 Seat size												25	32	40	32	40	50	50	65	80
额定 Cv 值 Rated Cv value	等百分比 (%C) Equal percentage	JIS63K	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	12	12	17	25	17	25	47	47	75	110
	线性 (LC) Linear	ANSI900																		
		ANSI1500																		
		ANSI2500										—	12	17	12	17	31	31	47	75
额定行程 (mm) Rated travel			14.3			25									38					

图 4 典型流量特性曲线

Fig.4 TYPICAL FLOW CHARACTERISTICS



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



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

表 4 允许压差

Table 4 ALLOWABLE PRESSURE DROPS

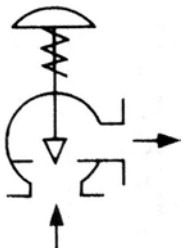
表 4-1 薄膜式执行机构 (HA)

Table 4-1 DIAPHRAGM ACTUATOR (HA)

表 4-1-1 气—关式阀

Table 4-1-1 Air-to-close

100kPa



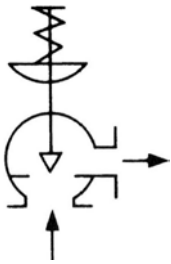
公称压力 Pressure rating	执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	允许压差 Allowable pressure drops							
				Cv 值或阀座直径 Rated Cv value or Valve seat size							
				Cv≤4.0	Cv=6.3	Cv=12	32	40	50	65	80
ANSI 900 ANSI 1500 JIS 63K	HA3D	4.0	0.8~2.4	264	264	264	135	91	53	32	22
				264	264	260	128	85	48	28	19
	HA4D	4.0	0.8~2.4	—	—	—	239	161	95	58	41
	HA4D×2	4.0	0.8~2.4	—	—	—	—	245	144	92	60
ANSI 2500	HA3D	4.0	0.8~2.4	425	423	270	270	135	72	53	32
				414	410	260	260	128	67	48	28
	HA4D	4.0	0.8~2.4	—	—	440	440	239	128	95	58
	HA4D×2	4.0	0.8~2.4	—	—	—	—	350	200	180	110



表 4-1-2 气—开式阀

Table 4-1-2 Air-to-open

100kPa



公称压力 Pressure rating	执行机构 Actuator	供气压力 Air supply	弹簧范围 Spring range	允许压差 Allowable pressure drops							
				Cv 值或阀座直径 Rated Cv value or Valve seat size							
				Cv≤4.0	Cv=6.3	Cv=12	32	40	50	65	80
ANSI 900 ANSI 1500 JIS 63K	HA3R	2.8	0.8~2.4	163	161	102	50	32	18	10	7
				152	149	92	42	27	14	7	4
	HA4R	2.8	0.8~2.4	187	185	183	91	61	35	21	14
				180	177	173	84	55	30	17	11
	HA4R×2	2.8	0.8~2.4	—	—	—	—	88	48	30	20
	VA6R	3.0 (1*)	1.9~2.5	264	264	264	258	174	102	62	44
		3.5 (1*)	1.9~3.0								
4.0 (1*)		1.9~3.5	264								
ANSI 2500	HA3R	2.8	0.8~2.4	163	161	102	102	50	25	18	10
				152	149	92	92	42	20	14	7
	HA4R	2.8	0.8~2.4	187	185	183	183	91	48	35	21
				180	177	173	173	84	43	30	17
	HA4R×2	2.8	0.8~2.4	—	—	—	—	130	68	50	29
	VA6R	3.0 (1*)	1.9~2.5	329	328	327	327	258	138	102	62
		3.5 (1*)	1.9~3.0								
4.0 (1*)		1.9~3.5	325								

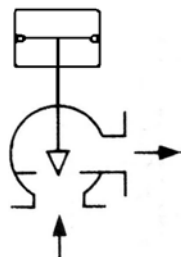
- 注: 1. 最大允许压差不准超过 ANSI B16.34—1981 标准规定的最大工作压力。  
 2. 进口压力 P1 不准超过阀关闭时的最大允许压差  
 3. 最大允许压差随阀泄漏量不同而变化, 用一格上方数字表示阀泄漏量≤0.01%, 下方数字表示阀泄漏量≤0.001%  
 4. 黑线框内数字表示阀配用标准规格执行机构。  
 5. 1\*适用于公称通径 DN25, Cv=0.25~0.63 的阀;  
 2\*适用于公称通径 DN25, Cv=1.0~12 的阀和公称通径 DN40~50 的阀  
 3\*适用于 DN80 的阀。

- Note: 1. Take care not to cause the allowable maximum Pressure drops to exceed the maximum operating pressure designated by ANSI B16.34—1981  
 2. Take care not to cause the inlet pressure (P1) to exceed the maximum allowable Pressure drops at valve-close.  
 3. The maximum allowable Pressure drops differs depending on valve seat leakage volume. Figures in the upper portion of the column denote pressure under a leakage rate of 0.01%; those on the lower side denote pressure under a leakage rate of 0.001%.  
 4. The figures in gray denote the standard actuator specifications.  
 5. 1\* is applicable to the valve size DN25, Cv value 0.25~0.63;  
 2\* is applicable to the valve size DN25, Cv value 1.0~12 and valve size DN40~50;  
 3\* is applicable to the valve size DN80.

表 4-2 气缸式执行机构 (VP)

Table 4-2 CYLINDER ACTUATOR (VP)

100kPa



公称压力 Pressure rating	执行机构 Actuator	供气压力 Air supply	允许压差 Allowable Pressure drops																	
			Cv 值或阀座直径 Rated Cv value or Valve seat size																	
			Cv≤4.0	Cv=6.3	Cv=12	32	40	50	65	80										
ANSI 900 ANSI 1500	VP5	3	188	187	186	184	142	83	50	36	185	184	182	177	136	79	47	33		
			251	251	250	247	191	113	69	49	248	247	245	241	185	108	65	46		
		4	264	264	264	264	240	142	87	62	264	264	264	264	234	138	83	59		
			5	—	—	—	—	179	146	89	64	—	—	—	—	175	142	86	61	
		VP6	3	—	—	—	—	240	197	121	86	—	—	—	—	236	192	117	86	
			4	—	—	—	—	264	248	152	109	—	—	—	—	264	243	148	106	
	VP7	3	—	—	—	—	—	175	138	99	—	—	—	—	—	171	135	96		
			4	—	—	—	—	—	234	186	133	—	—	—	—	231	182	130		
		4	—	—	—	—	—	—	264	233	167	—	—	—	—	264	229	164		
			5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		ANSI 2500	VP5	3	188	187	186	186	184	113	83	50	185	184	182	182	177	107	79	47
					251	251	250	250	247	152	113	69	248	247	245	245	241	147	108	65
4	315			314	313	313	310	192	142	87	312	311	309	309	304	186	138	83		
	5			—	—	—	—	—	178	146	89	—	—	—	—	—	173	142	86	
VP6	3			—	—	—	—	—	239	197	121	—	—	—	—	—	235	192	117	
	4			—	—	—	—	—	300	248	152	—	—	—	—	—	296	243	148	
VP7	3		—	—	—	—	—	—	175	138	—	—	—	—	—	—	171	135		
			4	—	—	—	—	—	—	234	186	—	—	—	—	—	231	182		
	4		—	—	—	—	—	—	—	294	233	—	—	—	—	—	—	—	—	
			5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	290	229	

注: 1. 如果执行机构带有辅助气源, 应选二者中较小一个供气压力作为计算允许压差的基础。  
2. 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。  
3. 进口压力 P1 不准超过阀关闭时的最大允许压差。  
4. 最大允许压差随阀泄漏量不同而变化, 用一格上方数字表示阀泄漏量≤0.01%, 下方数字表示阀泄漏量≤0.001%

Note: 1. When the actuator with the added air supply, the lower one should be the base of calculating the allowable Pressure drops.  
2. Take care not to cause the allowable maximum Pressure drops to exceed the maximum operating pressure designated by ANSI B16.34—1981 or JIS B2201—1984.  
3. Take care not to cause the inlet pressure (P1) to exceed the maximum allowable Pressure drops at valve-close.  
4. The maximum allowable Pressure drops differs depending on valve seat leakage volume. Figures in the upper portion of the column denote pressure under a leakage rate of 0.01%; those on the lower side denote pressure under a leakage rate of 0.001%.

表 4-3 电子式执行机构 (EIL) 及智能式执行机构 (M8)

Table 4-3 ELECTRONIC ACTUATOR (EIL) & INTELLIGENT ACTUATOR (M8)

100kPa

执行机构 Actuator	公称通径 Nominal size	允许压差 Allowable pressure drops											
		25			40			50			80		
		阀座直径 Valve seat size	Cv≤4.0	Cv=6.3	Cv=12	25	32	40	32	40	50	50	65
EIL04		220	167	110	110	55	37	55	37	24			
EIL08 M8610+L8210		420	420	270	270	140	94	140	94	56	—	—	—
EIL20 M8620+L8220		—	—	—	—	325	187	325	187	112	112	70	60

注：1. 以上允许压差为阀全关时的允许压差。  
2. 黑线框内数字表示阀配用标准规格执行机构。

Note: 1. The figures denote the allowable pressure drops at valve-close fully.  
2. The figures in gray denote the standard actuator specifications.

表 5 尺寸

Table 5 DIMENSIONS

表 5-1 法兰距尺寸

Table 5-1 Fact-to-Face dimensions

mm

公称通径 Nominal size	A/A1						
	JIS63K	ANSI 900		ANSI 1500		ANSI 2500	
	RF	RF (SW, BW)	RJ	RF (SW, BW)	RJ	RF (SW, BW)	RJ
25	95(水平 A) 111 (垂直 A1)	95(水平 A)/ 111 (垂直 A1)	94.5 (水平 A)/ 110 (垂直 A1)	95(水平 A)/ 110 (垂直 A1)	94.5 (水平 A)/ 110 (垂直 A1)	95(水平 A)/ 110 (垂直 A1)	88(水平 A)/ 108.5 (垂直 A1)
40	161.5	166.5	166.5	166.5	166.5	179	180.5
50	177	187.5	189	188	189	225	225
80	215.5	220	220	230	230	270	270

注：法兰距符合 IEC 534-3-1976 标准。

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

表 5-2 外形尺寸

Table 5-2 Other dimensions

表 5-2-1 外形尺寸

Table 5-2-1 Other dimensions

mm

公称 通径 Nominal size	执行机构 Actuator	H						ΦB/B	B1	B2	B3	B4
		ANSI 900 JIS 63K		ANSI 1500		ANSI 2500						
		常温型(P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型(E I) Extensio n bonnet Type I	常温型(P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I					
25	HA3D、R	830	965	830	965	860	980	363	—	—	—	—
	HA4D、R	975	1105	975	1105	1005	1125	520	—	—	—	—
	VA6R	1465	1595	1465	1595	1495	1615	480	—	—	—	—
	VP5	1170	1300	1170	1300	1200	1320	382	—	—	—	—
	EIL04	915	1045	915	1045	945	1065	172	—	258	—	—
40	HA3D、R	860	1000	860	1000	905	1050	363	—	—	—	—
	HA4D、R	995	1135	995	1135	1040	1185	520	—	—	—	—
	HA4×2D 、R	1565	1705	1565	1705	1610	1755	470/520	—	—	—	—
	VA6R	1485	1625	1485	1625	1530	1675	480	—	—	—	—
	VP5	1190	1330	1190	1330	1235	1380	382	—	—	—	—
	VP6	1305	1445	1305	1445	1350	1495	480	—	—	—	—
	EIL08	1010	1150	1010	1150	1055	1200	229	—	338	—	—
M8610+L8 210	1080	1220	1080	1220	1125	1270	—	285	346	353	230	
50	HA3D、R	890	1050	890	1050	920	1080	363	—	—	—	—
	HA4D、R	1030	1190	1030	1190	1065	1220	520	—	—	—	—
	HA4×2D 、R	1600	1760	1600	1760	1635	1790	520	—	—	—	—
	VA6R	1520	1680	1520	1680	1555	1710	480	—	—	—	—
	VP5	1225	1385	1225	1385	1260	1415	382	—	—	—	—
	VP6	1335	1500	1335	1500	1370	1530	480	—	—	—	—
	VP7	1335	1500	1335	1500	1370	1530	580	—	—	—	—
	EIL08	1040	1205	1040	1205	1075	1235	229	—	338	—	—
M8610+L8 210	1115	1280	1115	1280	1150	1310	—	285	346	353	230	
80	HA3D、R	925	1105	925	1105	960	1130	363	—	—	—	—
	HA4D、R	1070	1250	1070	1250	1105	1275	520	—	—	—	—
	HA4×2D 、R	1640	1820	1640	1820	1675	1845	520	—	—	—	—
	VA6R	1560	1740	1560	1740	1595	1765	480	—	—	—	—
	VP5	1265	1445	1265	1445	1300	1470	382	—	—	—	—
	VP6	1380	1560	1380	1560	1415	1585	480	—	—	—	—
	VP7	1380	1560	1380	1560	1415	1585	580	—	—	—	—
	EIL20	1450	1630	1450	1630	1485	1655	258	—	356	—	—
	M8620+L8 220	1230	1410	1230	1410	1265	1435	—	313	350	253	230

表 5-2-2 外形尺寸

Table 5-2-2 Other dimensions

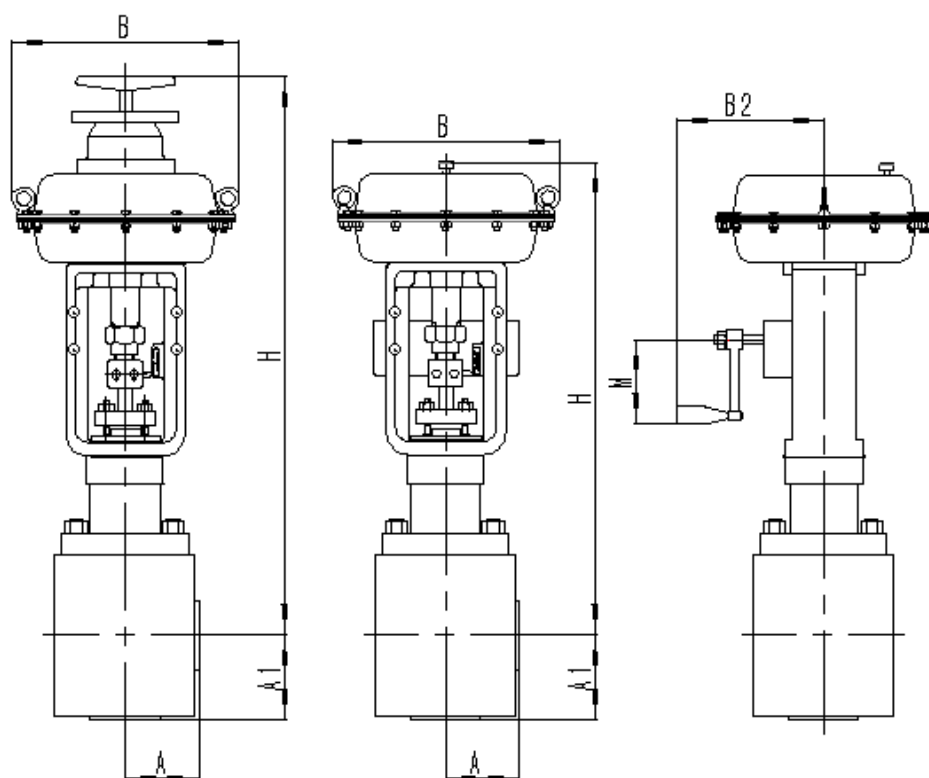
mm

公称 口径 Nominal size	执行机构 Actuator	H								B2	M
		侧装手轮 Side-mounted handwheel				顶装手轮 Top-mounted handwheel					
		ANSI 900 JIS 63K ANSI 1500		ANSI 2500		ANSI 900 JIS63K ANSI 1500		ANSI 2500			
		常温型(P) Plain bonnet	伸长 I 型(E) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型(E) Extensio n bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I		
25	HA3D、R	830	965	860	980	1117	1252	1147	1267	278.5	175
	HA4D、R	975	1105	1005	1125	1373	1503	1403	1523	303	φ 320
	VA6R	1590	1720	1620	1740	—	—	—	—	384	φ 380
	VP5	1280	1410	1310	1430	—	—	—	—	324	φ 380
40	HA3D、R	860	1000	905	1050	1147	1287	1192	1337	278.5	175
	HA4D、R	995	1135	1040	1185	1393	1533	1438	1583	303	φ 320
	HA4×2D、R	1890	2030	1935	2080	—	—	—	—	310	φ 380
	VA6R	1610	1750	1655	1800	—	—	—	—	384	φ 380
	VP5	1300	1440	1345	1490	—	—	—	—	324	φ 380
	VP6	1430	1570	1475	1620	—	—	—	—	384	φ 380
50	HA3D、R	890	1050	920	1080	1177	1337	1207	1367	278.5	175
	HA4D、R	1030	1190	1065	1220	1428	1588	1463	1618	303	φ 320
	HA4×2D、R	1925	2085	1960	2115	—	—	—	—	310	φ 380
	VA6R	1645	1805	1680	1835	—	—	—	—	384	φ 380
	VP5	1335	1495	1370	1525	—	—	—	—	324	φ 380
	VP6	1460	1625	1495	1655	—	—	—	—	384	φ 380
	VP7	1460	1625	1495	1655	—	—	—	—	384	φ 380
80	HA3D、R	925	1105	960	1130	1212	1392	1247	1417	278.5	175
	HA4D、R	1070	1250	1105	1275	1468	1648	1503	1673	303	φ 320
	HA4×2D、R	1965	2145	2000	2170	—	—	—	—	310	φ 380
	VA6R	1685	1865	1720	1890	—	—	—	—	384	φ 380
	VP5	1375	1555	1410	1580	—	—	—	—	324	φ 380
	VP6	1505	1685	1540	1710	—	—	—	—	384	φ 380
	VP7	1505	1685	1540	1710	—	—	—	—	384	φ 380

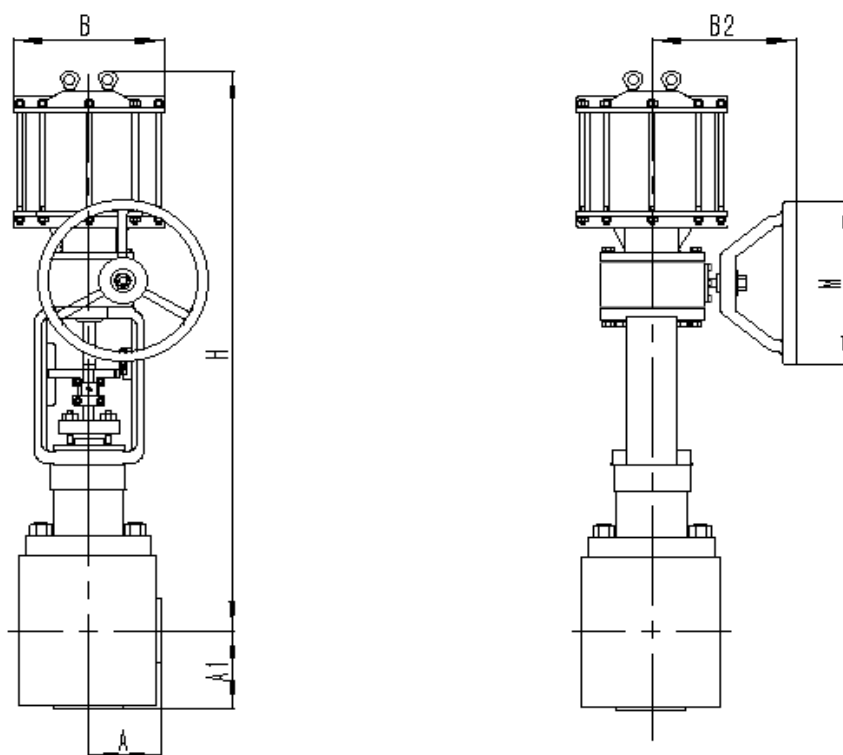
注：表 5-2-2 上 H 栏尺寸是气动执行机构(带手轮)调节阀高度。

Note: The size of H in Table 5-2-2 shows the height of the valve and pneumatic actuator (with handwheel) combined

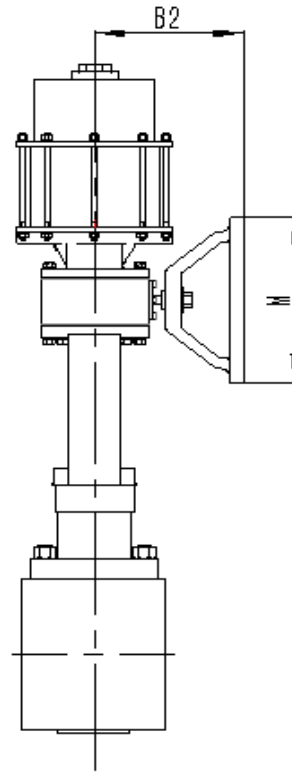
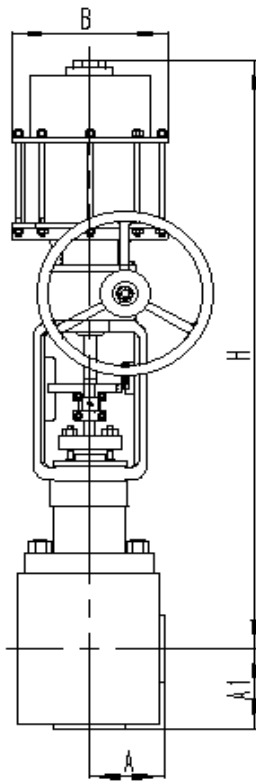
下图适用于：DN25 口径。



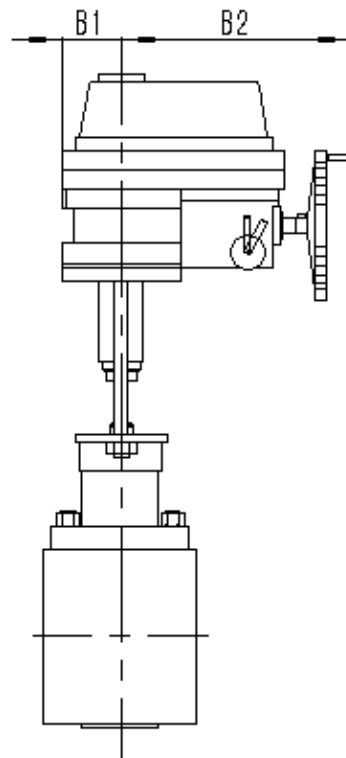
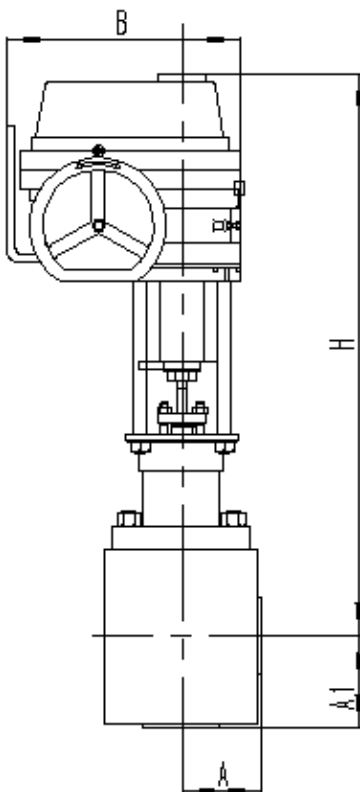
配 HA 执行机构  
With type HA



配 VA 执行机构  
With type VA

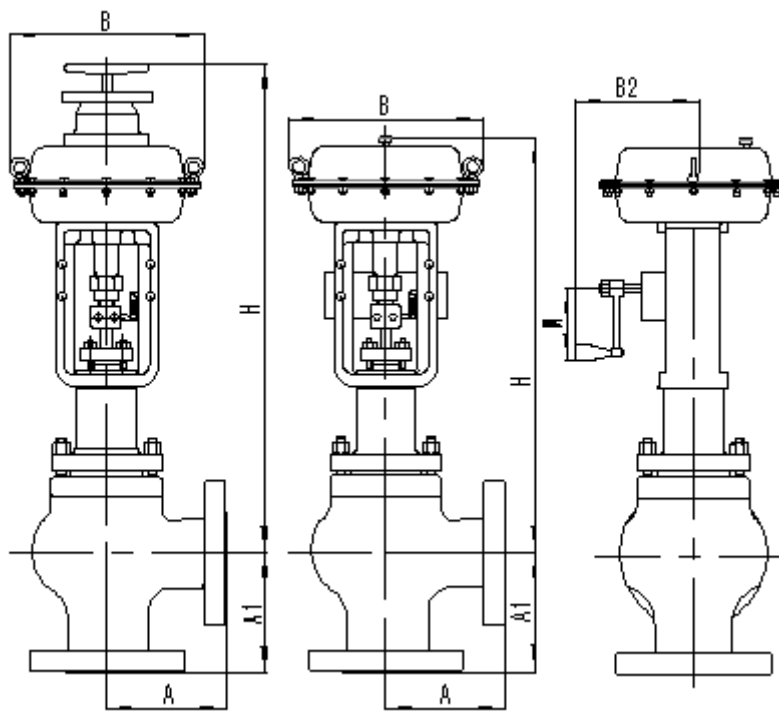


配 VP 执行机构  
With type VP

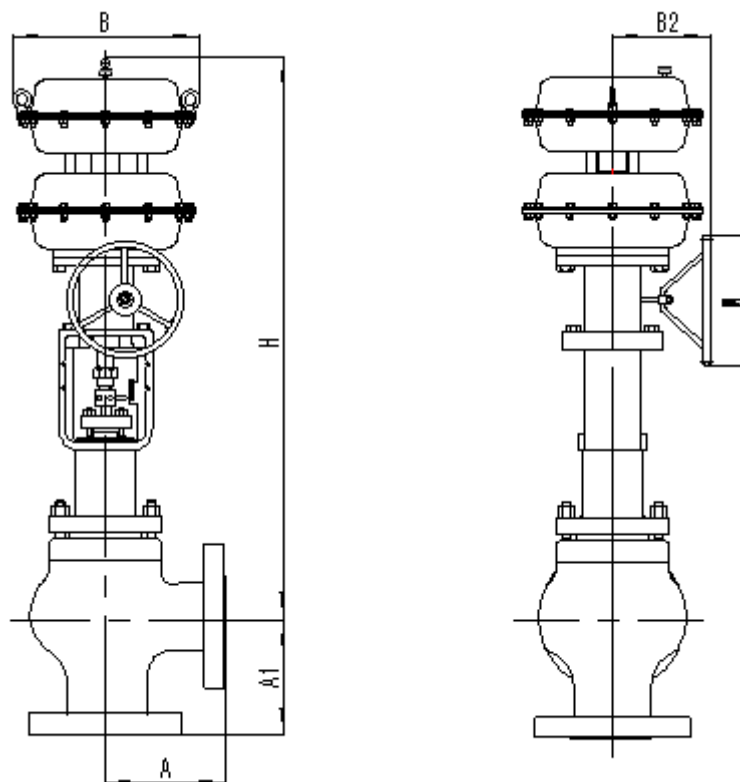


配 EIL 执行机构  
With type EIL

下图适用于：DN40 及其以上口径。

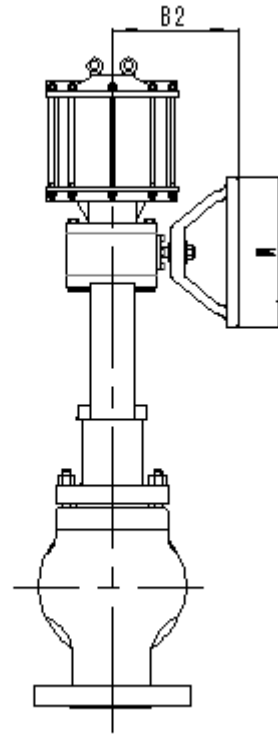
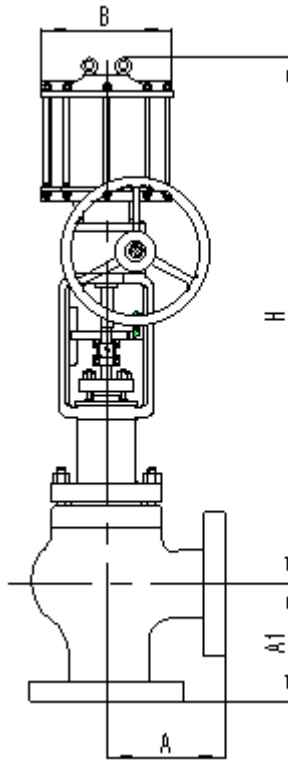


配 HA 执行机构  
With type HA

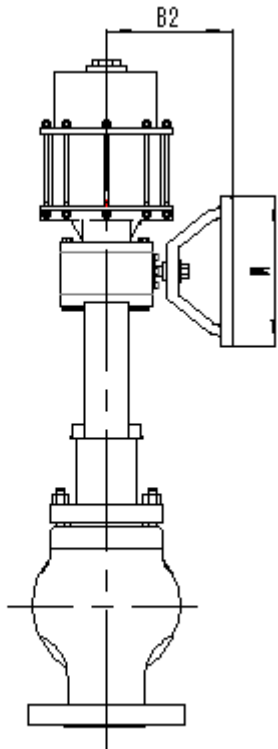
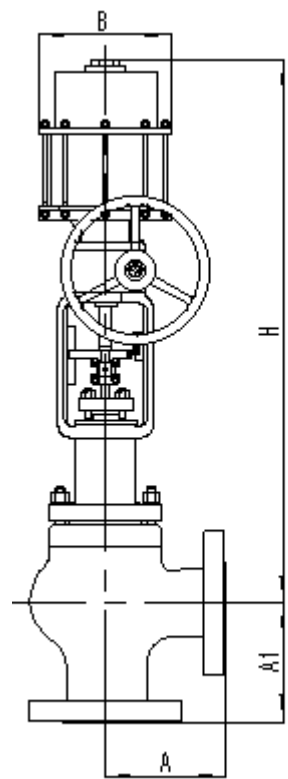


配 HA4X2 执行机构  
With type HA4X2

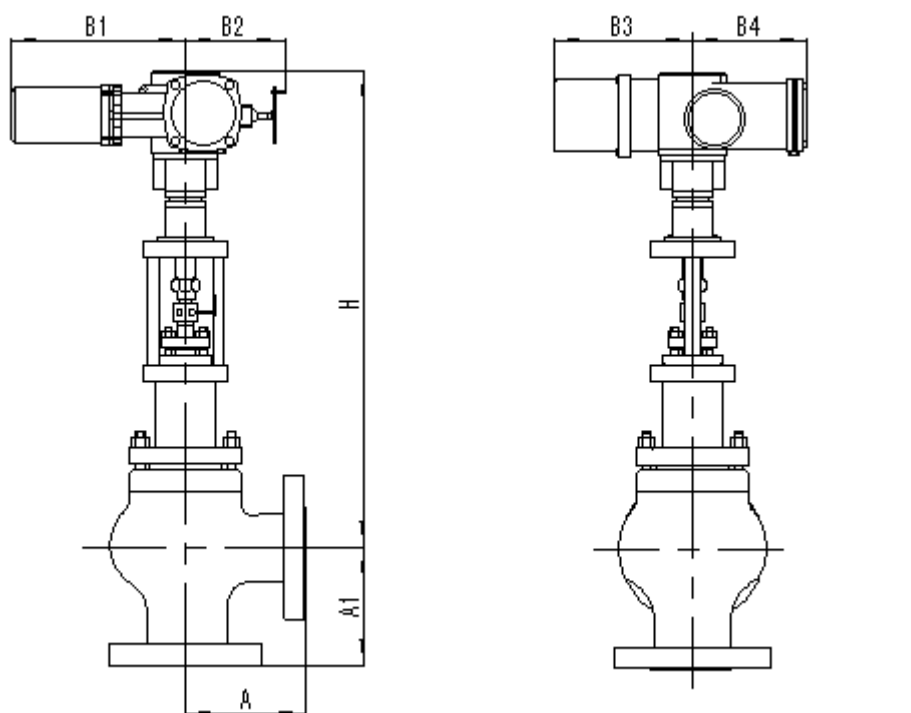




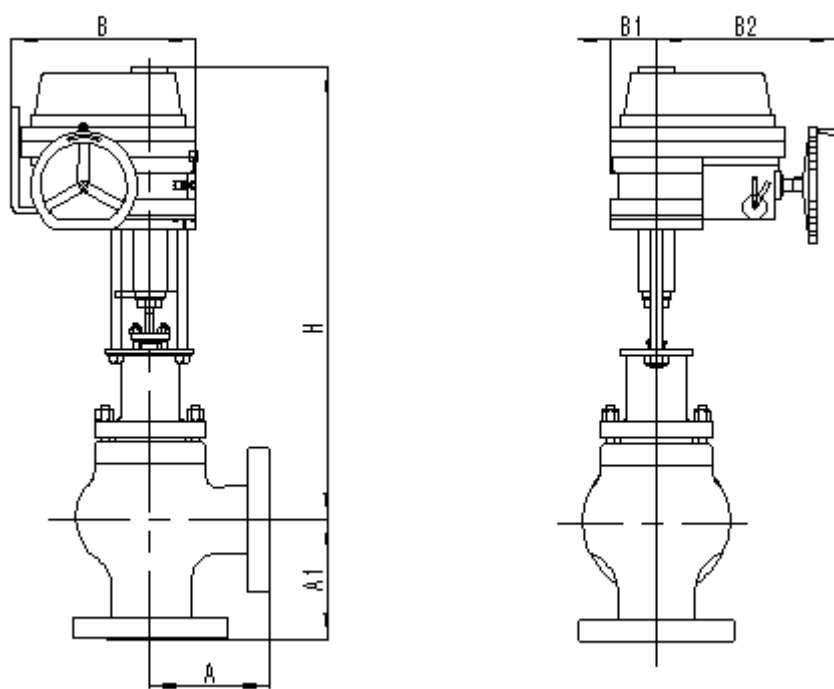
配 VP 执行机构  
With type VP



配 VP 执行机构  
With type VP



配 EIL 执行机构  
With type EIL



配 M8 执行机构  
With type M8

图 5 法兰距及外形尺寸  
Fig.5 Face-to-Face dimension and Other dimensions

表 6 重量

Table 6 WEIGHT

kg

公称 通径 Nominal size	执行机构 Actuator	法兰连接 Flanged type						焊接连接 Welded type					
		ANSI 900 JIS63K		ANSI 1500		ANSI 2500		ANSI 900 JIS63K		ANSI 1500		ANSI 2500	
		常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I	常温型 (P) Plain bonnet	伸长 I 型 (E I) Extension bonnet Type I
25	HA3D、R	55(52)	60(57)	60	65	85	90	45	50	50	55	70	75
	HA4D、R	85(83)	90(88)	90	95	115	120	80	85	85	90	100	105
	VP5	105(100)	110(105)	105	110	130	135	95	100	100	105	115	120
	EIL04	35	40	35	40	65	70	25	30	25	30	50	55
40	HA3D、R	60(55)	65(60)	65	70	90	95	50	55	55	60	75	80
	HA4D、R	90(86)	95(91)	95	100	125	130	80	85	85	90	105	110
	HA4×2	170	175	175	180	205	210	160	165	165	170	185	195
	VP5	105(103)	110(108)	110	115	140	145	95	100	100	105	120	125
	VP6	180(178)	185(183)	185	190	215	220	170	175	175	180	195	200
	EIL08	60	65	65	70	90	95	50	55	55	60	75	80
	M8610+L8210	75	80	75	80	80	85	40	45	40	45	65	80
50	HA3D、R	75(61)	85(71)	75	85	110	120	55	65	60	70	85	95
	HA4D、R	100(92)	110(102)	105	115	140	150	85	95	90	100	115	125
	HA4×2	180	190	185	195	220	230	165	175	170	180	195	205
	VP5	115(109)	125(119)	120	130	155	165	100	110	105	115	130	140
	VP6	190(184)	200(194)	195	205	230	240	175	185	180	190	205	215
	VP7	300(294)	310(304)	305	315	340	350	285	295	290	300	315	325
	EIL08	75	85	75	85	110	120	55	65	60	70	85	95
	M8610+L8210	90	100	90	100	125	135	70	80	75	85	100	110
80	HA3D、R	105(97)	115(107)	140	160	225	245	85	95	110	130	170	190
	HA4D、R	135(128)	145(138)	170	190	255	275	115	125	140	160	200	220
	HA4×2	215	225	250	270	235	355	195	205	220	240	280	300
	VP5	150(145)	160(155)	185	205	270	290	130	140	155	175	215	235
	VP6	225(220)	235(230)	260	280	345	365	205	215	230	250	290	310
	VP7	335(330)	345(340)	370	390	455	475	315	325	340	360	400	420
	EIL20	95	105	130	150	215	235	75	85	100	120	160	180
	M8620+L8220	115	125	150	170	235	255	95	105	120	140	180	220