

DEYO®

气动执行器
电动执行器
气动阀门
电动阀门
调节阀



苏州德扬阀门有限公司



电动三片式球阀
Electric 3PC Ball Valve



Q971电动调节对夹球阀
Electric Thin Type Ball Valve



Q944F电动三通防爆球阀
Electric Explosion-poor Three Way Ball Valve



D943H电动调节法兰蝶阀
Electric regulating Flange Butterfly Ball Valve



电动三偏心硬密封球阀
Electric Three-Eccentric Center Butterfly Ball Valve



电动中线蝶阀系列
Electric Air Soft Seal Butterfly Ball Valve



D971S电动防爆PVC蝶阀
Electric Explosion-poor PVC Butterfly Valve



电动三通球阀
Electric Three Way Ball Valve



电动防爆蝶阀
Electric Three-Eccentric Center Butterfly Valve



气动三片式球阀
Pneumatic Three-piece Ball Valve



气动卡箍式快装球阀
Pneumatic Buckle Type
Packaged Sanitary Ball Valve



手操机构
Manual Operating Device



气动对夹式V型球阀
Pneumatic Water V-Type Ball Valve



气动三通法兰式球阀
Pneumatic Three-way Flanged Ball Valve



气动对夹式三偏心球阀
Pneumatic Water Type Three-Eccentric
Center Butterfly Valve



气动塑料蝶阀
Pneumatic plastic Butterfly Valve



气动对夹式三偏心蝶阀
Pneumatic Water Type Three-
Eccentric Center Valve



气动软密封中线蝶阀
Pneumatic plastic Butterfly Valve

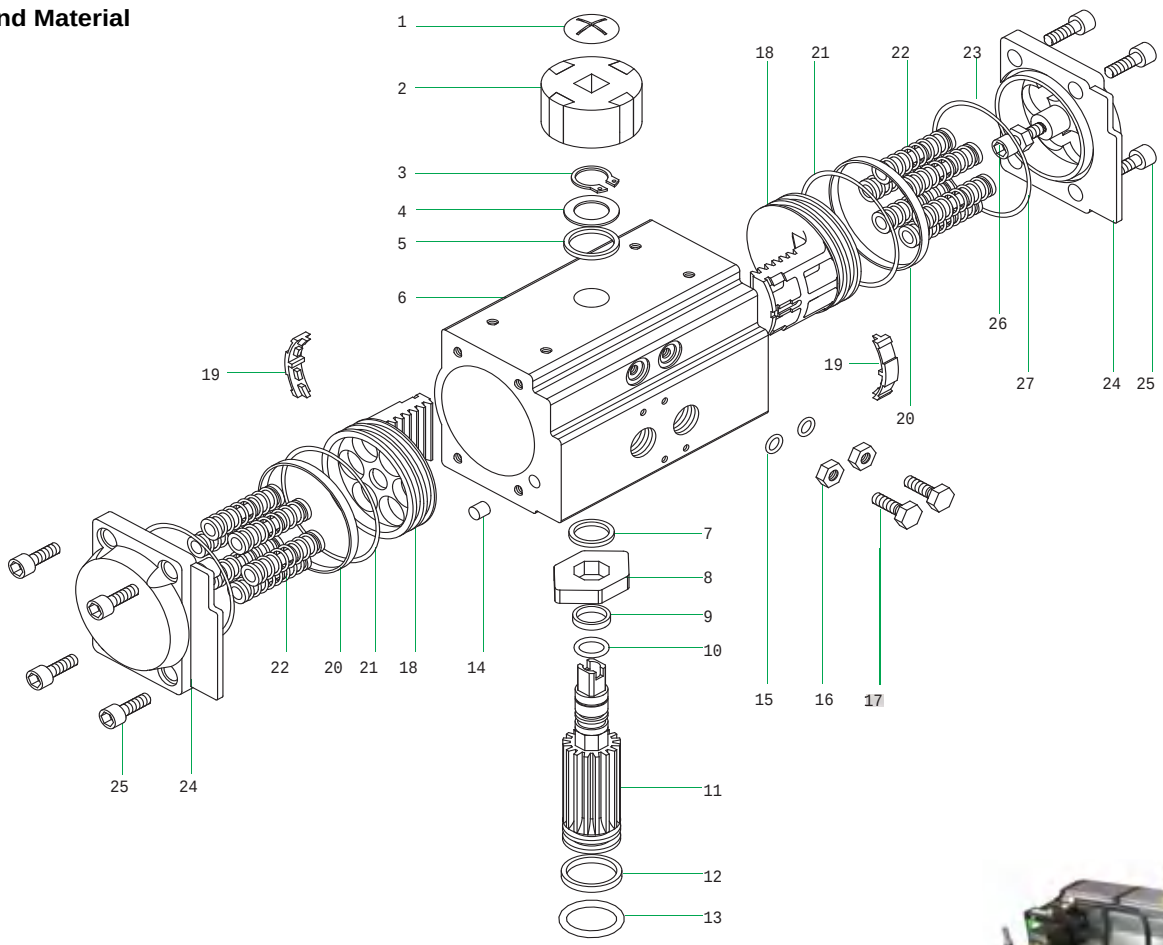


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零件和材料 Parts and Material



零件和材料 Parts and Material

序 号	名 称	数 量	材 料	防腐处理	可选材料
1	指示器螺钉	1	塑 料		
2	指示器	1	塑 料		
3	卡 簧	1	不锈钢		
4	垫 圈	1	不锈钢		
5	外垫片	1	工程塑料		
6	缸 体	1	铸 铝	硬质氧化等	
7	内垫片	1	工程塑料		
8	凸 轮	1	合金钢		
9	上轴轴承	1	工程塑料		
10	上轴O圈	1	丁腈橡胶		氟橡胶/硅橡胶
11	齿 轴	1	合金钢	镀 镍	不锈钢
12	下轴轴承	1	工程塑料		
13	下轴O圈	1	丁腈橡胶		氟橡胶/硅橡胶
14	堵 头	2	丁腈橡胶		氟橡胶/硅橡胶
15	调节螺钉O圈	2	丁腈橡胶		氟橡胶/硅橡胶
16	调节螺钉螺母	2	不锈钢		
17	调节螺栓	2	不锈钢		
18	活 塞	2	铸铝/铸钢	氧化/镀锌	不锈钢
19	活塞导板	2	工程塑料		
20	活塞轴承	2	工程塑料		
21	活塞O圈	2	丁腈橡胶		氟橡胶/硅橡胶
22	弹 簧	0-12	弹簧钢	浸漆	
23	端盖O圈	2	丁腈橡胶		氟橡胶/硅橡胶
24	端 盖	2	铸 铝	粉末喷涂等	
25	端盖螺栓	8	不锈钢		
26	限位螺栓	2	不锈钢		
27	限位螺母	2	不锈钢		

No.	Description	Qty	STANDARD METERIAL	PROTECTION	OPTIONAL METERIAL
1	Indicator screw	1	plastic		
2	Indicator	1	plastic		
3	Spring clip	1	Stainless Steel		
4	Thrust washer	1	Stainless Steel		
5	Outside washer	1	engineering plastics		
6	Body	1	Extruded alluminum alloy	Hard anodized etc	
7	Inside washer	1	engineering plastics		
8	Cam	1	Alloy steel		
9	O-ring (pinion top)	1	NBR		Viton/Silicone
10	Bearing(pinion top)	1	engineering plastics		
11	Pinion	1	Alloy steel	Nickel plated	Stainless Steel
12	O-ring pinion bottom)	1	engineering plastics		
13	Bearing(pinion bottom)	1	NBR		Viton/Silicone
14	Plug	2	NBR		Viton/Silicone
15	O-ring(Adjust screw)	2	NBR		Viton/Silicone
16	Nut(Adjust screw)	2	Stainless Steel		
17	Adjust screw	2	Stainless Steel		
18	Piston	2	Cast alluminum/casting	anodized/Zinc galvanized	Stainless Steel
19	Guide(Piston)	2	engineering plastics		
20	Bearing(Piston)	2	engineering plastics		
21	O-ring(Piston)	2	NBR		Viton/Silicone
22	Spring	0-12	Spring steel	dip coating	
23	O-ring(End cap)	2	NBR		Viton/Silicone
24	End cap	2	Cast alluminum	powder polyster painted etc	
25	Cap screw	8	Stainless Steel		
26	Stop screw	2	Stainless Steel		
27	Nut(stop screw)	2	Stainless Steel		



1 指示器 Indicator

NAMUR 标准指示器便于安装位置开关、定位器等附件。
Position indicator with NAMUR is convenient for mounting accessories such as Limit Switch box, Positioner and so on.

2 输出轴 Pinion

镀镍合金钢、高精度一体式输出轴同时符合 NAMUR、ISO5211、DIN3337 标准。可根据客户要求定制尺寸和不锈钢材料。

The pinion is high-precision and integrative, made from nickelled-alloy steel, full conform to the latest standards of ISO5211, DIN3337, NAMUR. The dimensions can be customized and the stainless steel is available.

3 缸体 Actuator Body

ASTM6005 压铸铝合金缸体可以采用硬质氧化、环氧树脂喷涂（根据要求喷涂兰色、橙色、黄色等）、PTFE 涂层或镀镍满足不同要求。

According to the different requirements, the extruded aluminum alloy ASTM6005 Body can be treated with hard anodized, powder polyester painted (different colours is available such as blue, orange, yellow etc.), PTFE or Nickel plated.

4 端盖 End caps

压铸铝合金表面金属粉末喷涂各种颜色、PTFE 涂层或镀镍处理。
Die-casting aluminum powder polyester painted in different colours, PTFE or Nickel plated.

5 活塞 Pistons

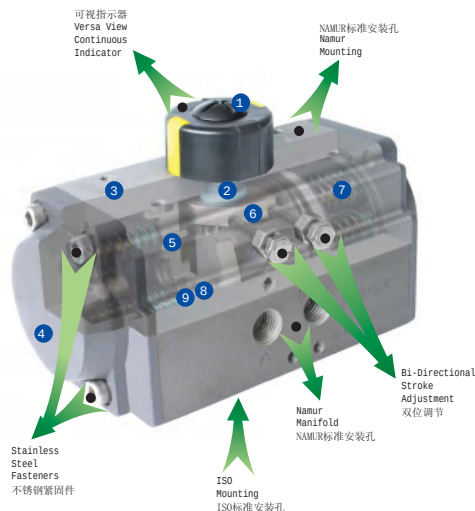
双活塞齿条、采用铸铝硬质氧化或者铸钢镀锌处理，安装位置对称、运作迅速、使用寿命长，简单的颠倒活塞可以改变旋转方向。

The twin rack pistons are made from Die-casting aluminum treated with Hard anodized or made from Cast steel with galvanization. Symmetric mounting position, long cycle life and fast operation, reversing rotation by simply inverting the pistons.

6 行程调节 Travel adjustment

两个独立的行程调节螺钉可以进行方便、精确 $\pm 5^\circ$ 的调节开关位置。

The two independent external travel stop adjustment bolts can adjust $\pm 5^\circ$ at both open and close directions easily and precisely.



7 高性能弹簧 High performance springs

采用优质材料、涂层处理，预压装配。具有较强的抗腐蚀性和使用寿命。能够安全、简单的拆卸单作用执行器，通过改变弹簧数量满足不同的力矩输出范围。

Preloaded coating springs are made from the high quality material for resistant to corrosion and longer service life, which can be demounted safely and conveniently to satisfy different requirements of torque by changing quantity of springs.

8 轴承、导板 Bearings & Guides

采用低摩擦、长寿命复合材料，避免了金属与金属的直接接触，维修更换简单方便。

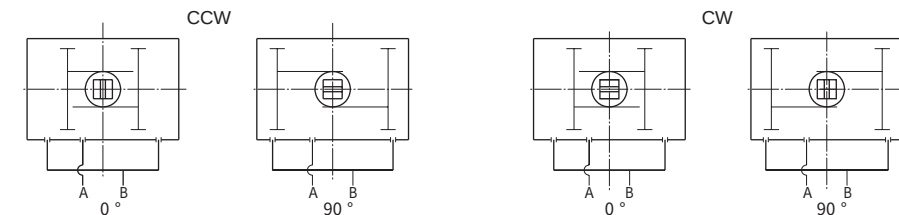
Made from low friction, long-life compound material, to avoid the direct contact between metals. The maintenance and replacement are easy and convenient.

9 O-rings 密封

在常温工作条件下使用丁腈橡胶，在高温或低温时采用氟橡胶或硅橡胶。

NBR rubber O-rings provide trouble-free operation at standard temperature ranges. For high and low temperature applications Viton or Silicone.

双作用执行器 Double Acting Actuators



A口进气，压缩空气推动活塞向外运动，使执行器输出轴逆时针旋转($0^\circ \rightarrow 90^\circ$)，B口排气。

B口进气，压缩空气推动活塞向内运动，使执行器输出轴顺时针旋转($90^\circ \rightarrow 0^\circ$)，A口排气。

Air to Port A forces the pistons outwards, causing the pinion to turn counterclockwise while the air is being exhausted from Port B.

Air to Port B forces the pistons inwards, causing the pinion to turn clockwise while the air is being exhausted from Port A.

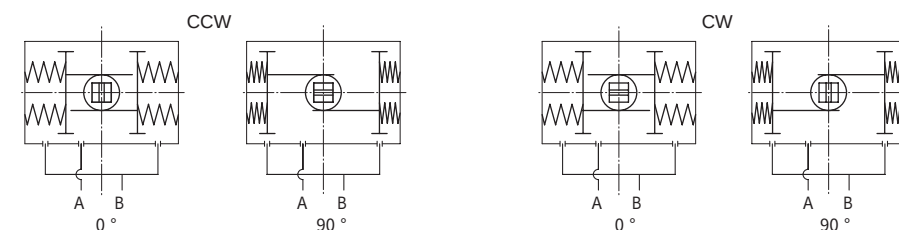
A口进气，压缩空气推动活塞向外运动，使执行器输出轴顺时针旋转($0^\circ \rightarrow 90^\circ$)，B口排气。

B口进气，压缩空气推动活塞向内运动，使执行器输出轴逆时针旋转($90^\circ \rightarrow 0^\circ$)，A口排气。

Air to Port A forces the pistons outwards, causing the pinion to turn clockwise while the air is being exhausted from Port B.

Air to Port B forces the pistons inwards, causing the pinion to turn counterclockwise while the air is being exhausted from Port A.

单作用执行器 Spring Return Actuators



A口进气，压缩空气克服弹簧力，推动活塞向外运动，执行器输出轴逆时针转动($0^\circ \rightarrow 90^\circ$)，B口排气；

执行器失气，活塞在弹簧力的作用下向内运动，执行器输出轴顺时针转动($90^\circ \rightarrow 0^\circ$)，A口排气。

Air to port A forces the pistons outwards, causing the springs to compress. The pinion turns counterclockwise while air is being exhausted from port B.

Loss of air pressure on port A, the stored energy in the springs forces the pistons inwards. The pinion turns clockwise while air is being exhausted from port A.

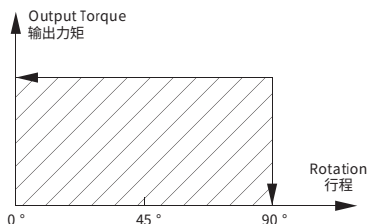
A口进气，压缩空气克服弹簧力，推动活塞向外运动，执行器输出轴顺时针转动($0^\circ \rightarrow 90^\circ$)，B口排气；

执行器失气，活塞在弹簧力的作用下向内运动，执行器输出轴逆时针转动($90^\circ \rightarrow 0^\circ$)，A口排气。

Air to port B forces the pistons outwards, causing the springs to compress. The pinion turns counterclockwise while air is being exhausted from port B.

Loss of air pressure on port A, the stored energy in the springs forces the pistons inwards. The pinion turns clockwise while air is being exhausted from port A.

双作用输出力矩 Output Torque of Double Acting Actuators



型号 Model	气源压力 Air supply pressure (Unit: bar)										
	2	2.5	3	4	4.5	5	5.5	6	7	8	Unit: Nm
AT032DA	3	4	5	6	7	8	8	9	11	12	
AT040DA	5	6	7	10	11	12	13	14	17	19	
AT052DA	8	10	12	16	18	20	22	24	28	32	
AT063DA	15	18	22	29	33	36	40	44	51	58	
AT075DA	20	25	30	40	45	50	55	60	70	80	
AT083DA	31	39	47	63	70	78	86	94	110	125	
AT092DA	45	56	68	90	102	113	124	135	158	181	
AT105DA	66	83	99	132	149	165	182	198	231	264	
AT125DA	100	125	150	200	226	251	276	301	351	401	
AT140DA	171	214	256	342	385	427	470	513	598	684	
AT160DA	266	332	399	532	598	665	731	798	931	1064	
AT190DA	426	532	638	851	958	1064	1170	1277	1490	1702	
AT210DA	532	665	798	1064	1197	1330	1463	1596	1862	2128	
AT240DA	769	962	1154	1539	1731	1924	2116	2308	2693	3078	
AT270DA	1170	1462	1754	2339	2632	2924	3216	3509	4094	4679	
AT300DA	1526	1908	2289	3052	3434	3815	4197	4578	5341	6104	
AT350DA	2285	2856	3427	4570	5141	5712	6283	6854	7997	9139	
AT400DA	3256	4070	4884	6512	7326	8140	8954	9768	11396	13024	

双作用执行器的选型:

在正常操作条件下, 双作用执行器考虑的安全系数为20%-30%.

示例:

- 阀门力矩=100Nm
- 安全力矩=100×(1+30%)=130Nm
- 气源压力=5Bar

对照双作用力矩表, 选配双作用执行器最小规格为RT160DA.

Sizing: Double Acting Actuator

The suggested safety factor for double acting actuators under normal working conditions is 20%-30%.

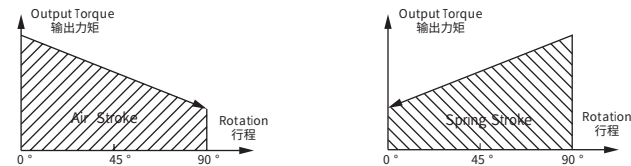
Example:

- The torque needed by valve=100N·m
- The torque considered safety factor (1+30%)=130N·m
- Air Supply=5Bar

According to the above table, we can choose the minimum model is RT160DA.



单作用输出力矩 Output Torque of Spring Return Actuators

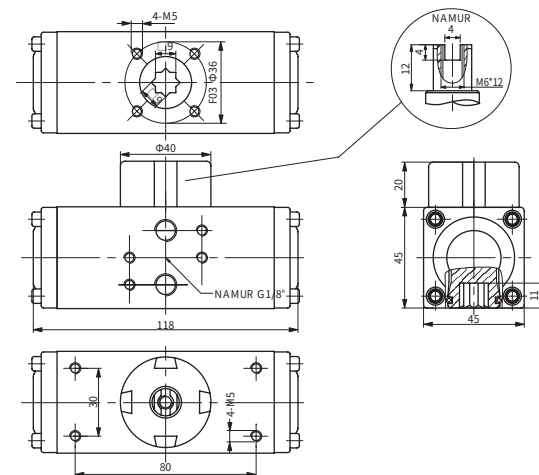


		输出扭矩 Output torque of air to springs																Springs' output	
气压 Air pressure		2.5BAR		3BAR		4BAR		5BAR		6BAR		7BAR		8BAR					
型号 Model	Spring Qty.	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	90° Start	0° End		
AT052SR	K5	5.7	3.8	7.6	5.7	10.9	8.5	14.0	10.4	17.2	14.1	20.3	16.8	22.6	18.3	24.8	10.4	6.2	
	K6	4.9	2.5	6.9	4.5	9.2	6.0	13.2	9.1	15.5	11.6	19.5	15.6	22.6	18.3	24.8	9.9	7.4	
	K7	4.0	1.3	6.0	3.3	8.3	4.8	12.3	7.9	16.3	12.8	20.3	16.8	22.6	18.3	24.8	11.1	8.6	
	K8	---	---	5.2	2.0	7.4	3.6	11.5	6.7	15.5	11.6	19.5	15.6	22.6	18.3	24.8	12.4	9.3	
	K9	---	---	4.3	0.8	6.6	2.3	10.6	5.4	14.6	10.4	18.6	14.3	22.6	18.3	24.8	13.6	10.2	
	K10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
AT063SR	K5	11.4	7.7	15.0	11.4	22.3	14.9	28.3	23.9	34.6	27.3	40.1	34.3	44.9	35.4	45.4	12.5	8.2	
	K6	10.1	5.7	13.6	9.3	20.9	16.6	28.3	23.9	34.6	27.3	40.1	34.3	44.9	35.4	45.4	14.6	9.6	
	K7	8.6	3.6	12.5	7.2	19.5	14.5	26.8	21.9	31.4	24.9	38.7	32.2	44.9	35.4	45.4	16.7	10.9	
	K8	---	---	10.9	5.1	18.2	12.4	25.5	19.8	32.8	27.0	40.1	34.3	44.9	35.4	45.4	18.8	12.3	
	K9	---	---	---	---	16.8	10.4	24.1	17.7	31.4	24.9	38.7	32.2	44.9	35.4	45.4	20.9	13.7	
	K10	---	---	---	---	1.4	8.2	22.8	15.6	30.0	22.8	37.3	30.1	44.7	37.4	35.3	22.9	15.0	
AT075SR	K5	14.5	10.6	19.4	15.5	29.5	25.7	37.5	32.8	47.0	40.1	53.3	47.0	59.1	51.2	64.4	14.5	10.5	
	K6	12.4	7.6	17.3	12.6	27.4	22.7	37.5	32.8	47.0	40.1	53.3	47.0	59.1	51.2	64.4	20.3	14.8	
	K7	10.4	4.8	15.2	9.7	25.3	19.9	35.4	29.9	43.2	37.0	53.3	47.0	59.1	51.2	64.4	23.2	16.6	
	K8	---	---	13.1	6.8	23.1	16.9	33.3	27.0	43.2	37.0	53.3	47.0	59.1	51.2	64.4	26.1	19.0	
	K9	---	---	---	---	21.0	14.1	31.2	24.1	41.1	34.1	51.2	44.2	59.1	51.2	64.4	29.0	21.1	
	K10	---	---	---	---	19.0	11.1	28.8	21.2	39.0	31.2	49.1	41.2	59.1	51.2	64.4	31.9	23.2	
AT083SR	K5	23.3	16.1	31.1	24.0	46.8	39.7	59.4	50.7	71.6	60.6	84.5	72.9	93.8	79.3	93.8	23.0	15.8	
	K6	20.1	11.5	28.0	19.3	43.7	35.1	59.4	50.7	71.6	60.6	84.5	72.9	93.8	79.3	93.8	27.6	19.0	
	K7	17.0	6.9	24.8	14.8	40.5	30.5	56.2	46.2	65.6	52.6	81.2	68.3	93.8	79.3	93.8	32.2	22.1	
	K8	---	---	21.7	10.1	37.4	25.8	53.1	41.5	68.8	57.2	84.5	72.9	93.8	79.3	93.8	36.8	25.3	
	K9	---	---	---	---	34.2	21.3	49.9	37.0	65.6	52.6	81.2	68.3	93.8	79.3	93.8	41.4	28.5	
	K10	---	---	---	---	31.0	16.6	46.7	32.3	62.4	48.0	78.1	63.7	93.8	79.3	93.8	46.0	31.6	
AT092SR	K5	33.1	22.0	44.2	33.2	66.8	55.9	84.8	71.6	93.8	80.5	120.7	103.0	124.5	111.8	124.5	34.4	23.3	
	K6	28.4	15.2	39.6	26.4	62.2	49.0	84.8	71.6	93.8	80.5	120.7	103.0	124.5	111.8	124.5	41.2	28.0	
	K7	23.8	8.2	34.9	19.4	57.5	42.1	80.2	64.7	84.8	71.6	103.0	88.2	103.0	88.2	103.0	48.1	32.7	
	K8	---	---	31.3	12.6	52.9	35.2	75.5	57.9	98.1	80.5	120.7	103.0	124.5	111.8	124.5	55.0	37.3	
	K9	---	---	---	---	48.2	28.4	70.9	51.0	93.5	73.6	116.0	96.1	124.5	111.8	124.5	61.9	42.0	
	K10	---	---	---	---	43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8	124.5	68.7	46.7	
AT105SR	K5	51.0	33.4	67.5	49.9	100.6	83.0	127.3	106.2	141.5	119.6	180.8	152.7	201.2	165.7	201.2	49.2	31.6	
	K6	44.7	23.5	61.1	40.0	94.2	73.2	127.3	106.2	141.5	119.6	180.8	152.7	201.2	165.7	201.2	59.1	38.0	
	K7	38.4	13.7	54.9	30.3	87.9	64.4	127.3	106.2	141.5	119.6	180.8	152.7	201.2	165.7	201.2	68.9	44.3	
	K8	---	---	48.5	20.4	81.6	53.5	114.7	86.5	147.7	119.6	180.8	152.7	201.2	165.7	201.2	78.7	50.6	
	K9	---	---	---	---	75.3	43.7	108.4	76.8	141.5	109.8	174.5	142.9	201.2	165.7	201.2	88.6	56.9	
	K10	---	---	---	---	68.9	33.4	102.0	66.5	135.1	99.6	168.2	132.6	201.2	165.7	201.2	98.4	63.3	
AT125SR	K5	73.3	47.1	98.8	72.2	148.8	122.7	188.8	157.7	217.7	176.7	268.7	226.7	297.7	245.7	297.7	73.3	52.3	
	K6	64.1	34.1	84.1	54.1	124.1	94.1	164.1	134.1	204.1	174.1	244.1	214.1	284.1	254.1	284.1	83.1	62.1	
	K7	52.1	15.1	77.1	40.1	127.1	90.1	178.1	141.1	217.1	176.1	268.1	226.1	297.1	257.1	297.1	110.1	73.1	
	K8	---	---	67.1	25.1	117.1	75.1	167.1	125.1	217.1	176.1	268.1	226.1	297.1	257.1	297.1	125.1	84.1	
	K9	---	---	---	---	107.1	59.1	157.1	109.1	207.1	159.1	257.1	210.1	297.1	257.1	297.1	141.1	94.1	
	K10	---	---	---	---	96.1	44.1	146.1	94.1	196.1	144.1	244.1	192.1	297.1	257.1	297.1	157.1	105.1	
AT140SR	K5	128.8	89.8	171.1	127.1	256.8	213.8	326.8	273.8	376.8	307.8	462.8	392.8	514.8	426.8	514.8	128.8	86.8	
	K6	111.1	59.1	151.1	107.1	233.1	187.1	293.1	247.1	353.1	293.1	449.1	389.1	514.8	426.8	514.8	138.1	101.1	
	K7	94.1	39.1	137.1	76.1	205.1	136.1	291.1	221.1	376.8	307.8	462.8	392.8	514.8	426.8	514.8	206.1	131.1	
	K8	---	---	120.1	50.1	187.1	110.1	273.1	196.1	358.8	281.8	444.8	361.8	514.8	426.8	514.8	232.1	155.1	
	K9	---	---	---	---	170.1	84.1	256.8	169.8	354.8	273.8	462.8	392.8	514.8	426.8	514.8	258.8	177.1	
	K10	---	---	---	---	143.1	70.1	221.1	143.1	307.8	226.8	409.8	328.8	514.8					

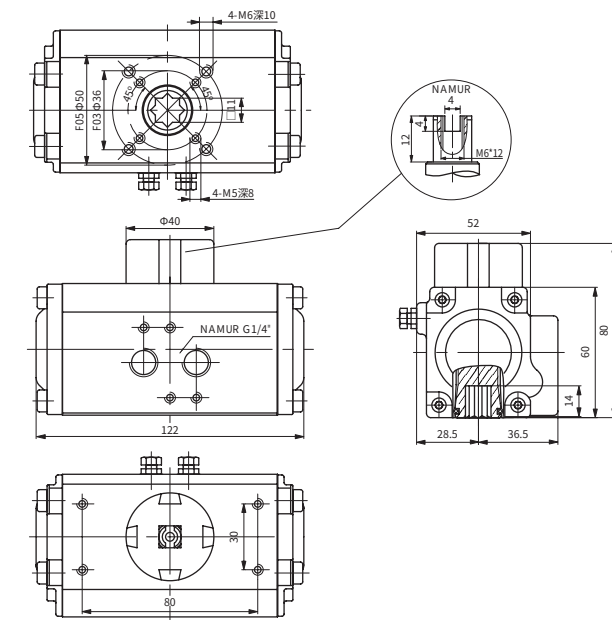
		输出扭矩 Output torque of air to springs																Springs' output		Unit: Nm	
型号 Model	气压 Air pressure Spring Qty.	2.5Bar		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar		9Bar		10Bar			
		0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End	0° Start	90° End		
AT160SR	K5	193	124	259	191	392	324											208	140		
	K6	165	83	232	149	365	282											250	168		
	K7	137	41	203	107	336	240	469	373									292	196		
	K8			176	66	309	199	442	237	575	465	708	598					333	223		
	K9					280	157	413	290	546	423	679	556					375	251		
	K10					253	115	386	248	519	381	652	514	785	647	417	279				
	K11							358	207	491	340	624	473	757	606	458	307				
	K12							330	165	463	298	596	431	729	564	500	335				
AT190SR	K5	332	222	438	329	651	542											309	200		
	K6	292	161	398	267	611	480	824	693									371	240		
	K7	252	99	358	205	571	418	784	631									433	280		
	K8			318	143	531	356	744	569	957	782	1169	995					495	320		
	K9					491	295	704	507	917	720	1130	933					557	360		
	K10					451	233	664	446	877	658	1090	871	1302	1084	618	400				
	K11							624	384	837	597	1050	809	1263	1022	680	440				
	K12							584	322	797	535	1010	748	1223	960	742	480				
AT210SR	K5	390	285	523	418	789	684											380	275		
	K6	335	209	468	342	734	608	1000	874									456	330		
	K7	280	133	413	266	679	532	945	798									532	385		
	K8			358	190	624	456	890	722	1156	988	1422	1254					608	440		
	K9					569	380	835	646	1101	912	1367	1178					684	495		
	K10					514	304	780	570	1046	836	1312	1102	1578	1368	760	550				
	K11							725	494	991	760	1257	1026	1523	1292	836	605				
	K12							670	418	936	684	1202	950	1468	1216	912	660				
AT240SR	K5	552	409	744	600	1129	985											554	410		
	K6	470	297	662	489	1047	874	1432	1259									665	492		
	K7	388	187	580	379	964	764	1349	1149									775	575		
	K8			498	268	883	653	1267	1037	1652	1422	2037	1807					886	656		
	K9					800	542	1185	926	1569	1311	1954	1696					998	739		
	K10					718	431	1103	816	1488	1201	1872	1586	2257	1970	1108	821				
	K11							1021	705	1406	1090	1791	1474	2176	1859	1219	903				
	K12							939	594	1323	979	1708	1363	2093	1748	1330	985				
AT270SR	K5	903	675	1195	968	1779	1552											787	560		
	K6	790	519	1083	811	1667	1396	2252	1981									943	672		
	K7	679	361	972	654	1556	1238	2141	1823									1101	783		
	K8			860	497	1081	766	2029	1666	2614	2252	3199	2836					1258	895		
	K9					1332	923	1917	1509	2502	2094	3087	2678					1416	1007		
	K10					1220	767	1805	1352	2390	1937	2974	2521	3560	3107	1572	1119				
	K11							1693	1194	2278	1779	2862	2364	3448	2949	1730	1231				
	K12							1582	1037	2167	1623	2751	2207	3336	2792	1887	1342				
AT300SR	K5	1097	729															1061	730		
	K6	935	494															1273	876		
	K7	772	258															1485	1022		
	K8			1316	875	1916	1402											1697	1168		
	K9			991	403	1592	930	2355	1693	3118	2456							1909	1314		
	K10					1430	695	2193	1458	2956	2221	3719	2984	4482	3747	2122	1460				
	K11							2030	1222	2793	1985	3556	2748	4319	3511	2334	1606				
	K12							1868	986	2631	1749	3394	2512	4157	3275	2546	1752				
AT350SR	K5	1553	964															1702	1173		
	K6	1292	586															2043	1408		
	K7	1031	208	1863	1157	2745	1922											2383	1642		
	K8			1602	779	2484	1544	3626	2686									2724	1877		
	K9			1341	401	2224	1165	3336	2307	4508	3449							3064	2112		
	K10					1963	787	3105	1929	4247	3071	5390	4214	6532	5356	3405	2346				
	K11							2844	1551	3986	2693	5129	3836	6271	4978	3745	2581				
	K12							2584	1172	3726	2314	4869	3457	6011	4599	4086	2816				
AT400SR	K7	2028	869															2880	1837		
	K8	1736	411															3292	2100		
	K9			2550	1225	3887	2396											3703	2362		
	K10			2259	768	3595	1939	5223	3567									4115	2624		
	K11			1967	311	3303	1482	4931	3110	6559	4738							4526	2887		
	K12					3012	1025	4640	2653	6268	4281	7895	5908	9523	7536	4938	3149				
	K13							4348	2195	5976	3823	7603	5450	9231	7078	5349	3412				
	K14							4057	1738	5685	3366	7312	4993	8940	6621	5761	3674				
	K15							3765	1281	5393	2909	7020	4536	8648	6164	6172	3937				
	K16									5101	2452	6728	4079	8356	5707	6584	4199				

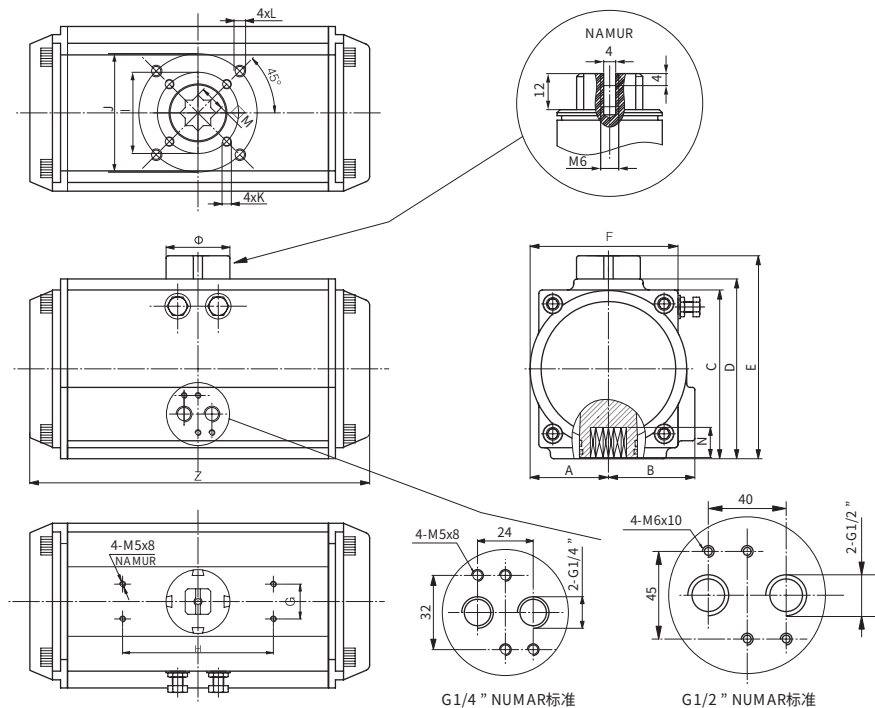
外形尺寸 Dimension

AT032DA



AT040DA





G1/4" NAMUR标准

G1/2" NAMUR标准

型号 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Z	Φ	气源接口 Air Connection
AT052	30	41.5	65.5	72	92	65	30	80	Φ36	Φ50	M5x8	M6x10	11	14	147	Φ40	NAMUR G1/4"
AT063	36	47	81	87.5	107.5	72	30	80	Φ50	Φ70	M6x10	M8x13	14	18	168	Φ40	NAMUR G1/4"
AT075	42	53	94	99.5	119.5	81	30	80	Φ50	Φ70	M6x10	M8x13	14	18	184	Φ40	NAMUR G1/4"
AT083	46	57	98.5	108.7	128.7	92	30	80	Φ50	Φ70	M6x10	M8x13	17	21	204	Φ40	NAMUR G1/4"
AT092	50	58.5	111	116.5	136.5	98	30	80	Φ50	Φ70	M6x10	M8x13	17	21	262	Φ40	NAMUR G1/4"
AT105	57.5	64	122.5	133	153	109.5	30	80	Φ70	Φ102	M8x13	M10x16	22	26	268	Φ40	NAMUR G1/4"
AT125	67.5	74.5	145.5	155	175	127.5	30	80	Φ70	Φ102	M8x13	M10x16	22	26	301	Φ55	NAMUR G1/4"
AT140	75	77	161	172	192	137.5	30	80	Φ102	Φ125	M10x16	M12x20	27	31	390	Φ55	NAMUR G1/4"
AT160	87	87	184	197	217	158	30	80	Φ102	Φ125	M10x16	M12x20	27	31	458	Φ55	NAMUR G1/4"
AT190	103	103	213	230	260	189	30	130		Φ140		M16x25	36	40	525	Φ80	NAMUR G1/4"
AT210	113	113	235.5	255	285	210	30	130		Φ140		M16x25	36	40	532	Φ80	NAMUR G1/4"
AT240	130	130	264.5	289	319	245	30	130		Φ165		M20x25	46	50	602	Φ80	NAMUR G1/4"
AT270	147	147	299	326	356	273	30	130		Φ165		M20x25	46	50	722	Φ80	NAMUR G1/2"
AT300	162	162	348	348	378	324	30	130	Φ165	Φ215	M20x25	M20x25	46	60	742	Φ80	NAMUR G1/2"
AT350	190	190	402	402	432	380	30	130	Φ165	Φ215	M20x25	M20x25	46	60	860	Φ80	NAMUR G1/2"
AT400	258	258	464	464	494	298	30	130	Φ165	Φ254	M20x25	8-M16x25	55	60	924	Φ80	NAMUR G1/2"

单作用执行器的选型 Sizing: Spring Return Actuators

在正常工作条件下，单作用执行器考虑的安全系数为30%-50%

例如：

阀门需要力矩=80N·m

安全力矩=80(1+30%)=104N·m

气源压力=5Bar

对照单作用执行器输出力矩表，我们可以查到

RT435SR

K7输出力矩为

空气行程0°=308N·m

空气行程90°=247N·m

弹簧行程90°=181N·m

弹簧行程0°=120N·m

所有输出力矩均大于我们需求。

注意：

单作用执行器弹簧复位过程中，执行器B口通气不影响执行器输出力矩，相反帮助弹簧的复位。

The suggested safety factor for spring return actuator under normal working conditions is 30-50%

Example：

The torque needed by valve=80N·m

The torque consider safety factor (1+30%)=104N·m

Air Supply=5Bar

According to the table of spring return actuators' output,

we find output torque of RT435SR K7 is:

Air stroke 0°=308N·m

Air stroke 90°=247N·m

Spring stroke 90°=181N·m

Spring stroke 0°=120N·m

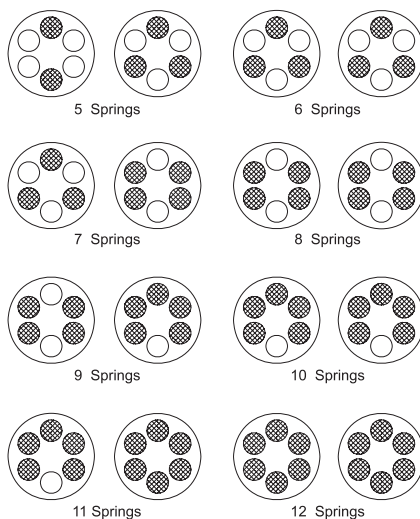
All the output torque is larger than we needed.

Attention

During the restoration, the spring return actuators' output torque will not be affected by the inputting air from the port B. On the contrary, it will help the restoration of springs.

单作用执行器弹簧安装形式

Spring mounting form for spring return actuators



在单作用执行器的选配过程中，如果能够了解阀门在开启、运行和关闭时的扭矩分配，我们就可以更加经济、更加合理地选配执行器。

During selecting the spring return actuators, we can choose the more reasonable and more economical actuators, if we know the different torque needed by the valve working at opening, operating and closing.

Example:

The max torque needed by the butterfly valve=104N·m

The torque after opened (operating) 104x30%=32N·m

Air Supply=5Bar

We can select the RT255SR K11

output torque is:

● Air stroke 0°=136N·m > 104N·m

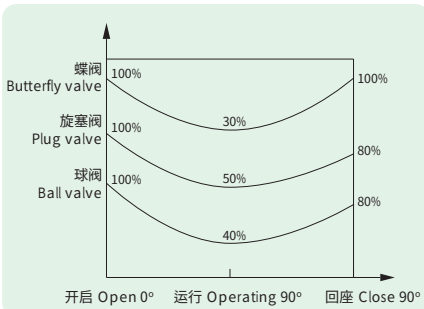
● Air stroke 90°=78N·m > 32N·m

● Spring stroke 90°=173N·m > 32N·m

● Spring stroke 0°=115N·m > 104N·m

The above datas show the actuator's torque can satisfy

the requirement of the butterfly valve.



例如：
蝶阀原最大扭矩=104N·m
打开后扭矩104x30%=32N·m
气源压力=5Bar
我们可以选择RT255SR K11
空气行程0°=136N·m>104N·m
空气行程90°=78N·m>32N·m
弹簧行程90°=173N·m>32N·m
弹簧行程0°=115N·m>104N·m
以上数据显示可以满足该蝶阀的正常启闭。

注意 确保执行器的输出扭矩和驱动阀门所需要的扭矩相符（执行器的型号和气源压力）。
请注意，选型扭矩不仅取决于阀门，还要考虑相关的工况、安全系数等参数。
Note Make sure that the torque necessary to operate the valve is compatible with the actuator torque (it depends on both actuator type and air supply).
Please note that the requested torque depends not only on the valve, but on the working conditions and the safety margins of the plant in question, too.

重量表 Weight Table

Model 型号	AT032	AT040	AT052	AT063	AT075	AT083	AT092	AT105	AT125
重量(DA)	0.7kg	1kg	1.4kg	2kg	2.7kg	3.1kg	4.6kg	6.8kg	8.9kg
重量(SR)	-	1.1kg	1.5kg	2.1kg	2.9kg	3.6kg	5.2kg	6.9kg	10.1kg

Model 型号	AT140	AT160	AT190	AT210	AT240	AT270	AT300	AT350	AT400
重量(DA)	13kg	20kg	31kg	47kg	67kg	97kg	110kg	186kg	289kg
重量(SR)	15kg	24kg	35kg	55kg	80kg	118kg	130kg	234kg	360kg

注：1、SR为12根弹簧；2、重量为净重量。

耗气量 Air Consumption

开向体积和关向体积 Air Volume Opening & Closing

Model 型号	Air volume opening 开向体积(升)	Air volume closing 关向体积(升)
AT032	0.04	0.05
AT040	0.08	0.11
AT052	0.12	0.16
AT063	0.21	0.23
AT075	0.3	0.34
AT083	0.43	0.47
AT092	0.64	0.73
AT105	0.95	0.88
AT125	1.6	1.4

Model 型号	Air volume opening 开向体积(升)	Air volume closing 关向体积(升)
AT140	2.5	2.2
AT160	3.7	3.2
AT190	5.9	5.4
AT210	7.5	7.5
AT240	11	9
AT270	17	14
AT300	23.8	29.7
AT350	35.1	46.3
AT400	52.6	56

Unit: L

耗气量取决于供气压力、开关行程、体积及动作次数，计算如下：

$$\text{升/分} = \text{气缸体积 (开向体积 + 关向体积)} \times \left[\frac{\text{供气压力 (Kpa)} + 101.3}{101.3} \right] \times \text{次数/分钟}$$

Air consumption rest with Air Supply. Air volume and Action cycle times, expressions:

$$L/\text{Min} = \text{Air volume (Air volume Opening + Air volume closing)} \times \left[\frac{\text{Air Supply (Kpa)} + 101.3}{101.3} \right] \times \text{Action cycle times (/min)}$$

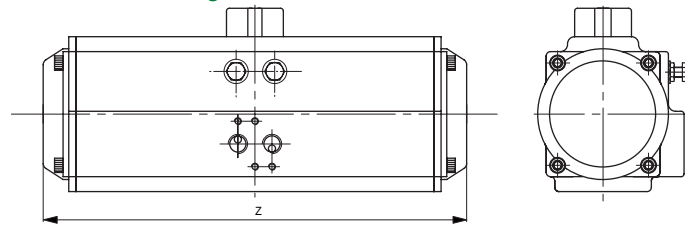
120°, 135°, 180° 双作用与单作用 Double Acting and Spring Return

为满足不同类型阀门及机械自动化的驱动要求，我司可根据客户要求定制不同行程(例120°、135°、180°等)的气动执行器。
In order to meet the special requirements of control valve we produced special strokes actuators on customer request (e.g. 120°, 135°, 180° etc.).

输出扭矩 Output Torque

输出扭矩请参考90°行程气动执行器扭矩表
Output torque of double acting actuators please refer to the torque of 90° actuators.

180° 双作用执行器尺寸表 Length of DAx180°



Size	AT052	AT063	AT075	AT083	AT092	AT105	AT125	AT140	AT160	AT190	AT210
Z(mm)	213	243	258	298	362	386	429	569	652	756	760

If you enquire any further information of spring return actuators, please do not hesitate to contact us.

三位式执行器 Three Position Pneumatic Actuator

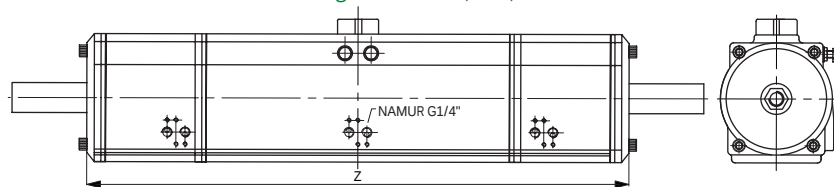
三位式气动执行器是一种特殊规格的执行机构，提供了0°、45°、90°或0°、90°、180°的三位式操作方式。中间位置是靠两个辅助活塞的移动产生的机械制动来实现的。中间位置是可调的。如90°行程的执行器能提供20°、30°、50°、70°等的中间位置。

Three position actuator provide an operation of 0°, 45°, 90° or 0°, 90°, 180°. The midway position is achieved by a mechanical stop of movement on the 2 auxiliary pistons. This midway stop positions adjustable. Example: 90° actuator can provide 20°, 30°, 40°, 50°, 70° etc.

输出扭矩 Output Torque

输出扭矩请参考90°行程气动执行器扭矩表
Output torque of double acting actuators please refer to the torque of 90° actuators.

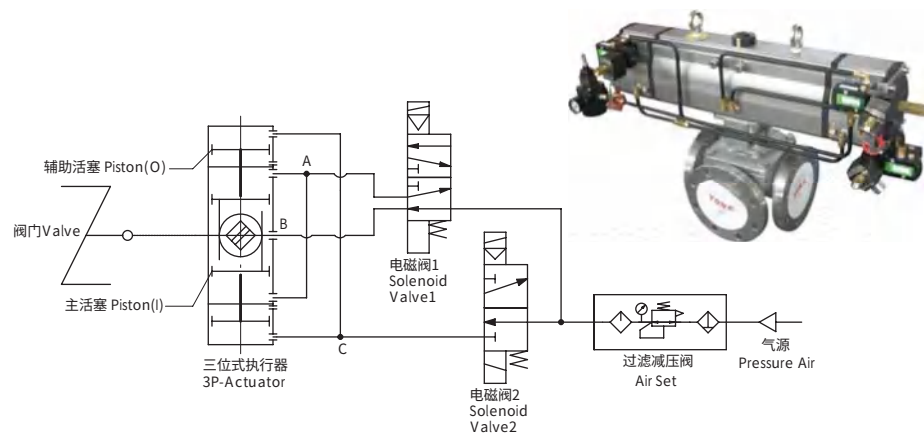
90° 三位式双作用执行器尺寸表 Length of DA-3P(90°)



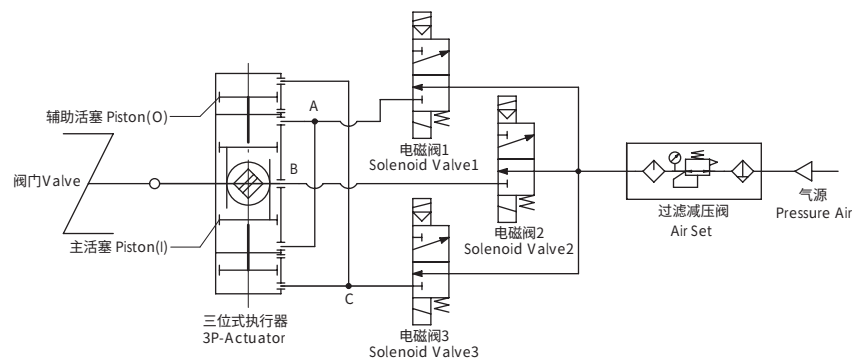
Size	AT052-3P	AT063-3P	AT075-3P	AT083-3P	AT092-3P	AT105-3P	AT125-3P	AT140-3P	AT160-3P	AT190-3P	AT210-3P
Z(mm)	266	303	306	336	394	410	456	570	646	788	788

If you enquire any further information of spring return actuators, please do not hesitate to contact us.

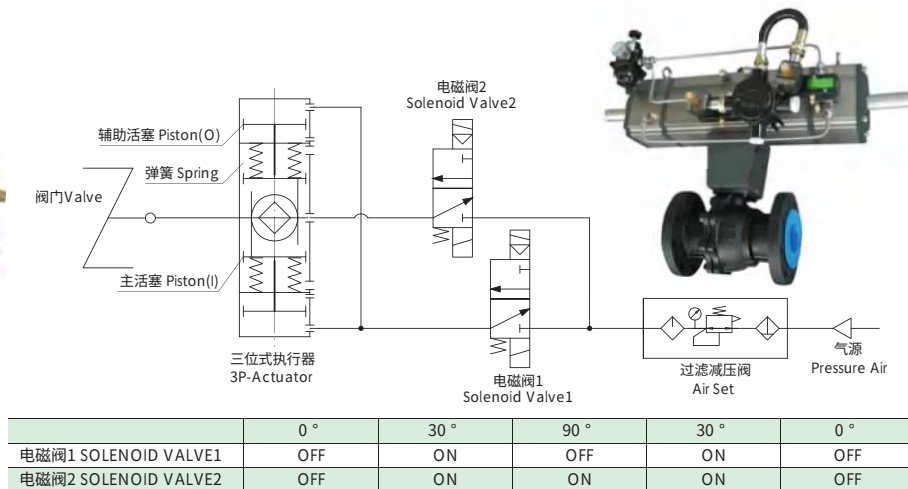
三位式气动执行器工作原理图Schematic Diagram



	0°	90°	30°	0°
电磁阀1 SOLENOID VALVE1	OFF	ON	OFF	OFF
电磁阀2 SOLENOID VALVE2	OFF	OFF	ON	OFF



	0°	30°	90°	30°	0°
电磁阀1 SOLENOID VALVE1	OFF	OFF	ON	OFF	OFF
电磁阀2 SOLENOID VALVE2	ON	OFF	OFF	ON	ON
电磁阀3 SOLENOID VALVE3	OFF	ON	ON	ON	OFF



工作技术条件 Operating conditions

1、工作介质

干燥或润滑的空气或无腐蚀性气体介质中杂质微粒小于30 μm。

2、气源压力

最小气源压力2.5巴，最大气源压力8巴。

3、介质环境温度

标准：-20°C~+80°C

低温：-35°C~+80°C

高温：-15°C~+150°C

4、行程调节

0°和90°两个位置有±5°

的调节范围

5、使用场合

室内或室外安装

1. Operating media

Dry or lubricated air, or the non-corrosive gases

The maximum particle diameter must less than 30 μm

2. Air supply pressure

The minimum supply pressure is 2.5 Bar

The maximum supply pressure is 8 Bar

3. Operating temperature

Standard: -20°C~+80°C

Low temperature: -35°C~+80°C

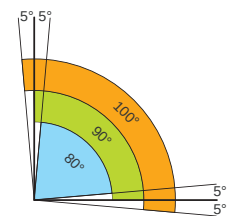
High temperature: -15°C~+150°C

4. Travel adjustment

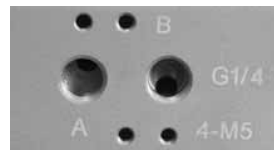
Have adjustment range of ±5° for the rotation at 0° and 90°

5. Application

Either indoor or outdoor



安装标准 Mounting Standard



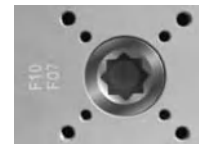
气源接口符合NAMUR标准，可简单地安装电磁阀。

Air supply connection is designed in accordance with NAMUR Standard to install solenoid valves.



输出轴的NAMUR标准槽和缸体上部标准安装孔，可使限位开关、定位器直接啮合和安装。

The Namur drive pinion and the Namur top mounting connection permit direct installation of accessories such as limit switch box and positioner.



底部安装孔设计符合ISO5211、DIN3337标准，可以直接安装离合器(气动手轮机构)或安装支架。

Bottom mounting connection is designed in accordance with ISO5211 and DIN3337 standards for direct mounting with valve gear boxes or mounting brackets.

气动法兰式浮动球阀

型号: Q641F(N, P, H, Y)
 口径: DN15~300mm
 压力: 1.6、2.5、4.0、6.4MPa; 150Lb、300Lb、600Lb; 10K、20K
 结构: 浮动式
 尺寸标准: 国标、美标、日标
 阀体材质: 碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)
 阀座材料: 聚四氟乙烯(F)、对位聚苯PPL(P)、尼龙(N)、硬质合金(H、Y)
 作用方式: 双作用、单作用(弹簧复位)
 控制方式: 开关型、调节型
 附件选择: 电磁阀、定位器、限位开关、气源处理三联件、手动机构

Pneumatic Flanged ball valve
 Model: Q641F(N,P,H,Y)
 Bore: DN15~300MM
 Pressure: 1.6, 2.5, 4.0, 6.4Mpa; 150Lb, 300Lb, 600Lb;
 10K, 20K
 Structure: Floating
 Dimension standard: GB, American Standard,
 Japanese Standard
 Body material: Carbon steel (WCB) ,
 Stainless steel (CF8, CF8M, CF3, CF3M)
 Seat material: PTFE, PPL, N, H, Y
 Mode of action: the double-acting/single-acting
 type(spring reposition) of pneumatic actuator
 Control: Switch type, Adjust type
 Selection of Accessories: solenoid valve ,Locator,
 Limit switch, F.R.L. COMBINATION UNIT, Manual Device.



技术规范 Technique norm

设计依据 Design Basis	GB标准 Standard
设计标准 Design standard	GB/12237
结构长度 Face to face dimension	法兰连接 Flange Connecting
连接法兰尺寸 Connecting Flange Size	GB/9113、JB/T79
试验和检验 Test & inspection	GB/T13927、JB/T9092

注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造

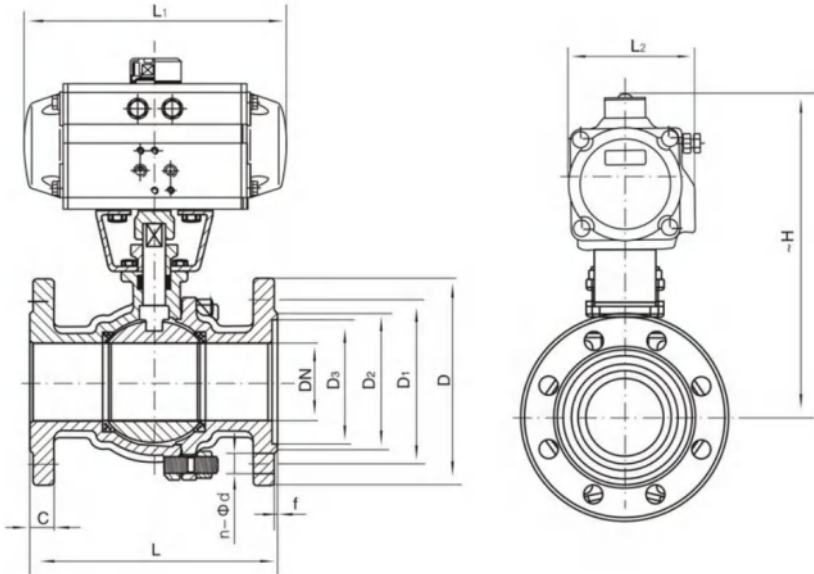
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	右阀体 Right valve	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	螺母 Nut	35	1Cr18Ni9Ti	1Cr18Ni9Ti
3	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
4	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
5	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
6	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL) 硬质合金 Hard Alloy		
7	球体 Ball	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
9	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	压盖 Gland	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
13	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
14	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
15	连接支架 Connecting Yoke	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
16	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
17	连接套 Connecting Set	35	1Cr18Ni9Ti	1Cr18Ni9Ti
18	气动装置 Pneumatic Device	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		
19	位置指示器 Location Indicator	塑料Plastic		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用

Note:The structural length and connecting flage size of ball valve series can be designed and manufactured as per uses'requirements



主要外形及连接法兰尺寸Q641F(N、P、H、Y)-PN16（1.6Mpa） Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size				连接尺寸 Connecting size						执行器型号 Actuator Model
	L	L1	L2	~H	D	D1	D2	C	f	n-Φd	
15	130	141/159	71/83	204/235	95	65	46	14	2	4-Φ14	AT52/ATE65
20	140	141/159	71/83	209/240	105	75	56	16	2	4-Φ14	AT52/ATE65
25	150	159/211	83/95	214/256	115	85	65	16	2	4-Φ14	AT65/ATE83
32	165	159/248	83/107	257/277	140	100	76	18	2	4-Φ18	AT65/ATE105
40	180	211/248	95/107	274/292	150	110	84	18	3	4-Φ18	AT83/ATE105
50	200	248/269	107/123	290/300	165	125	99	20	3	4-Φ18	AT83/ATE105
65	220	248/315	107/141	310/335	185	145	118	20	3	4-Φ18	AT105/ATE125
80	250	269/345	123/152	346/368	200	160	132	20	3	8-Φ18	AT105/ATE125
100	280	345/409	152/172	378/410	220	180	156	22	3	8-Φ18	AT125/ATE160
125	320	409/550	172/215	425/450	250	210	184	22	3	8-Φ18	AT160/ATE190
150	360	550/600	215/240	468/531	285	240	211	24	3	8-Φ22	AT190/ATE210
200	400	600/633	240/262	583/618	340	295	266	24	3	12-Φ22	AT210/ATE240

注：球阀结构长度及连接法兰尺寸可根据JB/T97标准或用户要求设计制造。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q641(N、P、H、Y)-PN25(2.5Mpa)Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
	L	L ₁	L ₂	~H	D	D ₁	D ₂	C	f	n-Φd	
15	130	141/159	71/83	204/235	95	65	46	14	2	4-Φ14	AT52/ATE65
20	140	141/159	71/83	209/240	105	75	56	16	2	4-Φ14	AT52/ATE65
25	150	159/211	83/95	257/265	115	85	65	16	2	4-Φ14	AT65/ATE83
32	165	211/248	95/107	269/287	140	100	76	18	3	4-Φ18	AT75/ATE90
40	180	248/269	95/107	282/292	150	110	84	18	3	4-Φ18	AT83/ATE105
50	200	248/345	107/123	290/325	165	125	99	20	3	4-Φ18	AT83/ATE105
65	220	269/345	107/152	310/357	185	145	118	22	3	8-Φ18	AT105/ATE125
80	250	345/409	152/172	346/368	200	160	132	24	3	8-Φ18	AT105/ATE140
100	280	345/438	152/187	418/443	235	190	156	24	3	8-Φ22	AT125/ATE160
125	320	438/550	187/215	460/503	270	220	184	26	3	8-Φ26	AT160/ATE190
150	360	550/600	215/240	518/563	300	250	211	28	3	8-Φ26	AT190/ATE210
200	400	633/730	262/330	583/618	360	310	274	30	3	12-Φ26	AT240/ATE270

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸Q641(N、P、H、Y)-PN40(4.0Mpa)Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size							执行器型号 Actuator Model
	L	L ₁	L ₂	~H	D	D ₁	D ₂	D ₃	C	f	n-Φd	
15	130	141/159	71/83	204/235	95	65	46	40x4	14	2	4-14	AT52/ATE65
20	140	159/211	83/95	240/252	105	75	56	51x4	16	2	4-14	AT65/ATE83
25	150	211/248	95/107	257/265	115	85	65	58x4	16	2	4-14	AT75/ATE90
32	180	211/248	95/107	269/287	140	100	76	66x4	18	3	4-18	AT83/ATE105
40	200	248/269	107/123	282/292	150	100	84	76x4	18	3	4-18	AT90/ATE105
50	220	248/315	107/141	300/325	165	125	99	88x4	20	3	4-18	AT105/ATE125
65	250	269/345	123/152	335/357	185	145	118	110x4	22	3	8-18	AT105/ATE140
80	280	345/409	152/172	368/400	200	160	132	121x4	24	3	8-18	AT125/ATE160
100	320	409/438	172/187	418/506	235	190	156	150x4.5	24	3	8-22	AT160/ATE190
125	400	550/600	215/240	445/548	270	220	184	176x4.5	26	3	8-26	AT190/ATE210
150	400	600/633	215/262	563/598	300	250	211	204x4.5	28	3	8-26	AT240/ATE270
200	502	730	330	636/666	375	320	284	260x4.5	34	3	12-30	AT270

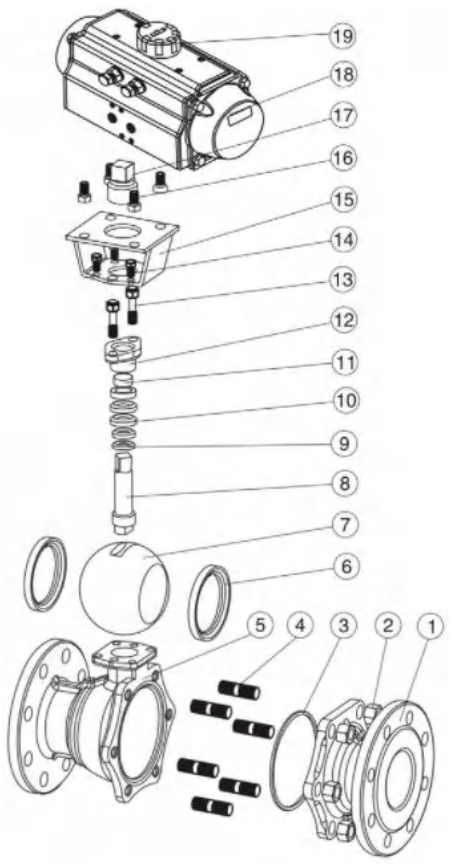
Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.

设计依据 Design Basis		API、ANS标准 Standard
设计标准 Design standard		API 6D、ANSI B16.34
结构长度 Face to face dimension	法兰连接 Flange Connecting	API 6D、ANSI B16.10
连接法兰尺寸 Connecting Flange Size		ANSI B16.5
试验和检验 Test & inspection		API 6D、API 598

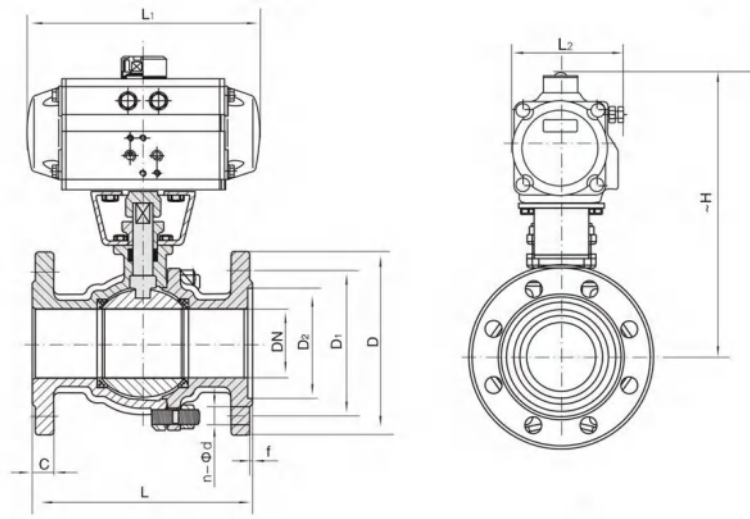
序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	右阀体 Right valve	A216-WCB	A351-CF8	A351-CF8M
2	螺母 Nut	A194-2H	A276-304	A276-316
3	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
4	螺栓 Screw	A193-B7	A276-304	A276-316
5	阀体 Body	A216-WCB	A351-CF8	A351-CF8M
6	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL) 硬质合金 Hard Alloy		
7	球体 Ball	A182-F304	A182-F304	A182-F316
8	阀杆 Stem	A276-410	A276-304	A276-316
9	垫片 Gasket	A276-304	A276-304	A276-316
10	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	压盖 Gland	A216-WCB	A351-CF8	A351-CF8M
13	螺栓 Screw	A194-2H	A276-304	A276-304
14	螺栓 Screw	A194-2H	A276-304	A276-304
15	连接支架 Connecting Yoke	A351-CF8	A351-CF8	A351-CF8
16	螺栓 Screw	A194-2H	A276-304	A276-304
17	连接套 Connecting Set	A351-CF8	A351-CF8	A351-CF8
18	气动装置 Pneumatic Device	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		
19	位置指示器 Location Indicator	塑料Plastic		



注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.



注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The main spare parts and sealing-ring materials of ball valve series can be designed for options as per real working conditions and users'special requirements.



主要外形及连接法兰尺寸Q641F(N、P、H、Y)-Class 150 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
mm	in	L	L1	L2	~H	D	D1	D2	C	f	n-Φd	
15	1/2	108	141/159	71/83	204/235	89	60.5	35	10	1.6	4-Φ15	AT52/ATE65
20	3/4	117	141/159	71/83	209/240	99	69.9	43	10.5	1.6	4-Φ15	AT52/ATE65
25	1	127	159/211	83/95	214/256	108	79.2	51	11.5	1.6	4-Φ15	AT65/ATE83
32	1 1/4	140	211/248	95/107	257/277	117	88.9	64	13	1.6	4-Φ15	AT65/ATE105
40	1 1/2	165	248/269	107/123	274/292	127	98.6	73	14.5	1.6	4-Φ15	AT83/ATE105
50	2	178	248/269	107/123	290/300	152	120.7	92	16	1.6	4-Φ19	AT83/ATE105
65	2 1/2	190	269/345	123/152	310/335	178	139.7	105	18	1.6	4-Φ19	AT105/ATE125
80	3	203	269/345	123/152	346/368	191	152.47	127	19.5	1.6	4-Φ19	AT105/ATE125
100	4	229	345/409	152/172	378/410	229	190.5	157	24	1.6	8-Φ19	AT125/ATE160
125	5	356	409/438	172/187	425/450	254	215.9	186	24	1.6	8-Φ22	AT160/ATE190
150	6	394	550/600	215/240	468/531	279	241.3	216	25.5	1.6	8-Φ22	AT190/ATE210
200	8	457	633/730	262/330	583/618	343	298.5	270	28.5	1.6	8-Φ22	AT210/ATE240

注：球阀结构长度及连接法兰尺寸可根据JB/T97标准或用户要求设计制造。

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。

注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。

注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.

Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.

Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.

Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q641(N、P、H、Y)-Class 300 Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
mm	in	L	L ₁	L ₂	~H	D	D ₁	D ₂	C	f	n-Φd	
15	1/2	140	141/159	71/83	204/235	95	65.7	35	14.5	1.6	4-Φ16	AT52/ATE65
20	3/4	152	141/159	71/83	209/240	117	82.5	43	15.8	1.6	4-Φ19	AT52/ATE65
25	1	165	211/248	95/107	214/265	124	88.9	51	17.6	1.6	4-Φ19	AT65/ATE83
32	1 1/4	178	211/248	95/107	269/287	133	98.4	64	19.1	1.6	4-Φ19	AT75/ATE90
40	1 1/2	190	248/269	107/123	282/292	155	114.3	73	20.6	1.6	4-Φ19	AT83/ATE105
50	2	216	269/315	123/141	290/325	165	127	92	22.3	1.6	8-Φ19	AT83/ATE105
65	2 1/2	241	269/345	123/152	310/357	191	149.2	105	25.4	1.6	8-Φ22	AT105/ATE125
80	3	283	345/409	152/172	346/368	210	168.3	127	28.6	1.6	8-Φ22	AT105/ATE140
100	4	305	409/438	172/187	418/443	254	200	157	31.8	1.6	8-Φ26	AT125/ATE160
125	5	381	438/550	187/215	460/503	279	234.9	186	35	1.6	8-Φ26	AT160/ATE190
150	6	403	550/600	240/262	518/563	318	269.9	216	36.6	1.6	12-Φ26	AT190/ATE210
200	8	502	633/730	262/330	583/618	381	330.2	270	41.3	1.6	12-Φ29	AT240/ATE270

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸Q641(N、P、H、Y)-Class 400 Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
mm	in	L	L ₁	L ₂	~H	D	D ₁	D ₂	C	f	n-Φd	
15	1/2	165	141/211	71/95	204/235	95	65.7	35	14.5	6.4	4-Φ16	AT52/ATE65
20	3/4	190	159/211	83/95	240/252	117	82.5	43	15.8	6.4	4-Φ19	AT65/ATE83
25	1	216	211/248	95/107	257/265	124	88.9	51	17.6	6.4	4-Φ19	AT75/ATE90
32	1 1/4	229	248/269	107/123	269/287	133	98.4	64	20.6	6.4	4-Φ19	AT83/ATE105
40	1 1/2	241	248/315	107/141	282/292	156	114.3	73	22.3	6.4	4-Φ19	AT90/ATE105
50	2	292	269/345	123/152	300/325	165	127	92	25.4	6.4	8-Φ19	AT105/ATE125
65	2 1/2	330	345/438	152/187	335/357	190	149.2	105	28.6	6.4	8-Φ22	AT105/ATE140
80	3	356	409/438	172/187	368/400	210	168.3	127	31.8	6.4	8-Φ22	AT125/ATE160
100	4	406	438/550	187/215	418/506	254	200	157	35	6.4	8-Φ26	AT160/ATE190
125	5	457	550/633	215/262	445/548	279	234.9	186	38.2	6.4	8-Φ26	AT190/ATE210
150	6	495	633/730	262/300	563/598	318	269.9	216	41.3	6.4	12-Φ26	AT240/ATE270
200	8	597	730	330	636/666	381	330.2	270	47.6	6.4	12-Φ29	AT270

Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.

技术规范 Technique norm

设计依据 Design Basis		JIS标准 Standard
设计标准 Design standard		BS5351
结构长度 Face to face dimension	法兰连接 Flange connecting	JIS B2002
连接法兰尺寸 Connecting Flange Size		JIS B2212、B2213、B2214
试验和检验 Test & inspection		JIS B2003

注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造

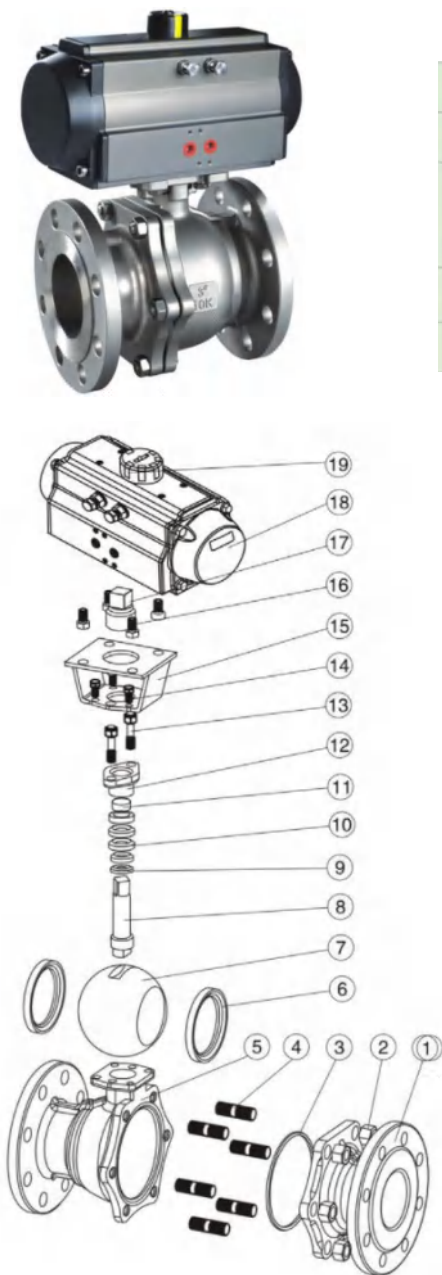
Note: The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

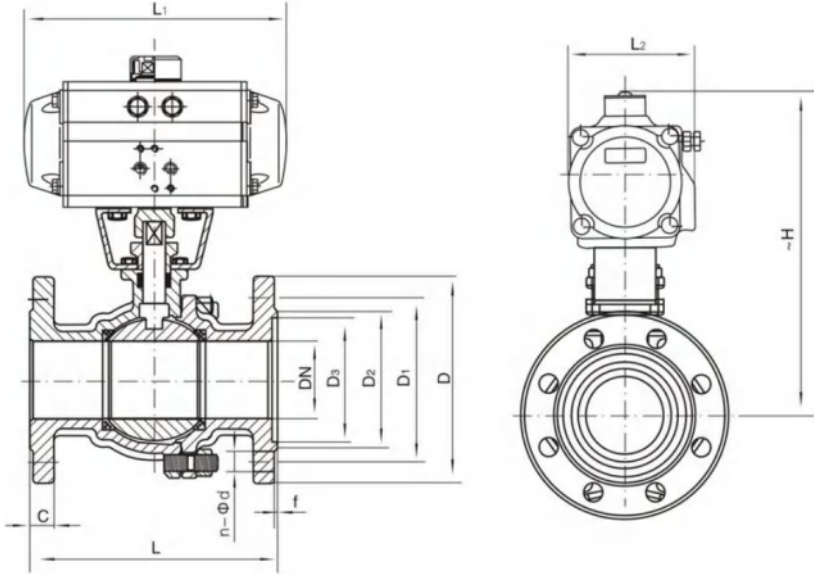
主要零件材质表 Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	右阀体 Right valve	SCPH ₂	SCS13	SCS14
2	螺母 Nut	S35C	SUS304	SUS304
3	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
4	螺栓 Screw	S35C	SUS304	SUS304
5	阀体 Body	SCPH ₂	SCS13	SCS14
6	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL) 硬质合金 Hard Alloy		
7	球体 Ball	SUS304	SUS304	SUS316
8	阀杆 Stem	SUS410	SUS304	SUS316
9	垫片 Gasket	SUS304	SUS304	SUS316
10	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	压盖 Gland	SCPH ₂	SCS13	SCS14
13	螺栓 Screw	S35C	SUS304	SUS304
14	螺栓 Screw	S35C	SUS304	SUS304
15	连接支架 Connecting Yoke	SCS13	SCS13	SCS13
16	螺栓 Screw	S35C	SUS304	SUS304
17	连接套 Connecting Set	SCS13	SCS13	SCS13
18	气动装置 Pneumatic Device	GT系列、AT系列、AW系列 GT Series, AT Series, AW Series		
19	位置指示器 Location Indicator	塑料 Plastic		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用

Note: The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements





主要外形及连接法兰尺寸Q641F(N、P、H、Y)-PN16（1.6Mpa） Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size				连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
mm	in	L	L1	L2	~H	D	D1	D2	C	f	n-Φd	
15	1/2	108	141/159	71/83	204/235	95	70	50	12	1	4-Φ15	AT52/ATE65
20	3/4	117	141/159	71/83	209/240	100	75	58	14	1	4-Φ15	AT52/ATE65
25	1	127	159/211	83/95	214/256	125	90	70	14	1	4-Φ19	AT65/ATE83
32	1 1/4	140	211/248	95/107	257/277	135	100	80	16	2	4-Φ19	AT65/ATE105
40	1 1/2	165	248/269	107/123	274/292	140	105	85	16	2	4-Φ19	AT83/ATE105
50	2	178	248/269	107/123	290/300	155	120	100	16	2	4-Φ19	AT83/ATE105
65	2 1/2	190	269/345	123/152	310/335	175	140	120	18	2	4-Φ19	AT105/ATE125
80	3	203	315/345	141/152	346/368	185	150	130	18	2	8-Φ19	AT105/ATE125
100	4	229	345/409	152/172	378/410	210	175	155	18	2	8-Φ19	AT125/ATE160
125	5	356	409/438	172/187	425/450	250	210	185	20	2	8-Φ23	AT160/ATE190
150	6	394	438/600	187/240	468/531	280	240	215	22	2	8-Φ23	AT190/ATE210
200	8	457	600/633	240/262	583/618	330	290	265	22	2	12-Φ23	AT210/ATE240

注：球阀结构长度及连接法兰尺寸可根据JB/T97标准或用户要求设计制造。

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。

注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。

注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.

Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.

Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.

Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q641(N、P、 H、Y)-20K Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size							执行器型号 Actuator Model
mm	in	L	L ₁	L ₂	~H	D	D ₁	D ₂	C	f	n-Φd	
15	1/2	140	141/159	71/83	204/235	95	70	50	14	1	4-Φ15	AT52/ATE65
20	3/4	152	141/159	71/83	209/240	100	75	58	16	1	4-Φ15	AT52/ATE65
25	1	165	211/248	95/107	214/265	125	90	70	16	1	4-Φ19	AT65/ATE83
32	1 1/4	178	248/269	107/123	269/287	135	100	80	18	2	4-Φ19	AT75/ATE90
40	1 1/2	190	248/269	107/123	282/292	140	105	85	18	2	4-Φ19	AT83/ATE105
50	2	216	269/315	123/141	290/325	155	120	100	18	2	8-Φ19	AT83/ATE105
65	2 1/2	241	315/345	141/152	310/357	175	140	120	20	2	8-Φ19	AT105/ATE125
80	3	283	345/409	152/172	346/368	200	160	135	22	2	8-Φ23	AT105/ATE140
100	4	305	409/438	172/187	418/443	225	185	160	24	2	8-Φ23	AT125/ATE160
125	5	381	438/550	187/215	460/503	270	225	195	26	2	8-Φ25	AT160/ATE190
150	6	403	600/633	240/262	518/563	305	260	230	28	2	12-Φ25	AT190/ATE210
200	8	502	633/730	262/330	583/618	350	305	275	30	2	12-Φ25	AT240/ATE270

注：球阀结构长度及连接法兰尺寸可根据JB/T97标准或用户要求设计制造。

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。

注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。

注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.

Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.

Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.

Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.



气动固定式球阀

型号: Q647F(N, P, H, Y)

口径: DN25-600mm

压力: 1.6、2.5、4.0、6.4MPa; 150Lb、300Lb、600Lb; 10K、20K

结构: 固定式

尺寸标准: 国标、美标、日标

阀体材质: 碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)

阀座材料: 聚四氟乙烯(F)、对位聚苯PPL(P)、尼龙(N)、硬质合金(H、Y)

作用方式: 双作用、单作用(弹簧复位)

控制方式: 开关型、调节型

附件选择: 电磁阀、定位器、限位开关、气源处理三联件、手动机构

Pneumatic ball valve fixed

Model: Q647F(N, P, H, Y)

Bore: DN25-600mm

Pressure: 1.6, 2.5, 4.0, 6.4Mpa; 150Lb, 300 Lb ,600 Lb;

10K, 20K

Structure: Fixed

Dimension standard: GB, American Standard,

Japanese Standard

Body material: Carbon steel (WCB) ,

Stainless steel(CF8, CF8M, CF3, CF3M)

Seat material: PTFE, PPL, H, Y

Mode of action: the double-acting/ single-acting

type(spring reposition) of pneumatic actuator

Control: Switch type, Adjust type

Selection of Accessories: solenoid valve ,Locator,

Limit switch, F.R.L. COMBINATION UNIT, Manual Device.



技术规范 Technique norm

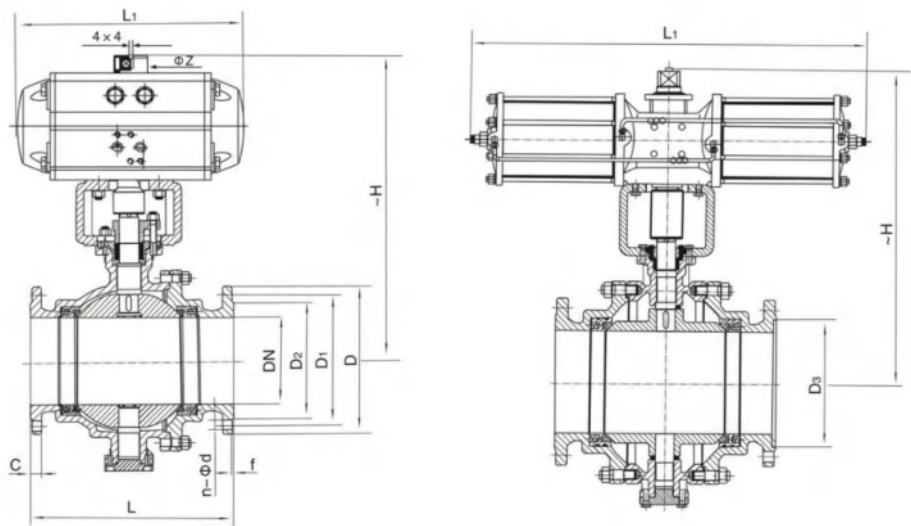
设计依据 Design Basis		GB标准 Standard
设计标准 Design standard		GB/12237
结构长度 Face to dimension	法兰 连接 Flange connecting	GB/12221
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79
试验和检验 Test & inspection		GB/T13927、JB/T9092

注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材 质 Material		
		C	P	R
1	右阀体 Right valve	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
3	弹簧 Spring	60si2Mn	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀座 Seat	25或1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	密封圈 Sealing ring	PTFE、尼龙(Nylon)、对位聚苯(PPL) 硬质合金 Hard Alloy		
6	O形圈 "O" Ring	橡胶Rubber、氟橡胶Viton		
7	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
8	法兰 Flange	WCB	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
9	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	下阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	球体 Ball	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
13	键 Key	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
14	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
15	衬套 Bushing	PTFE复合轴承 Composite bearings		
16	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
17	填料压盖 Gland	WCB	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
18	连接套 Connecting Set	35	35	1Cr18Ni9Ti
19	支架 Yoke	WCB	WCB	1Cr18Ni9Ti
20	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
21	气动执行器 Pneumatic Actuator	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements



主要外形及连接法兰尺寸Q647F(N、P、H、Y)-PN16（1.6Mpa） Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
	L	L1	~H	D	D1	D2	C	f	n-Φd	
50	178	211/315	323/348	165	125	99	20	3	4-Φ18	AT83/ATE105
65	190	248/269	363/388	185	145	118	20	3	4-Φ18	AT105/ATE125
80	203	269/345	408/430	200	160	132	20	3	8-Φ18	AT105/ATE125
100	229	345/438	470/527	220	180	156	22	3	8-Φ18	AT125/ATE160
125	356	409/550	537/625	250	210	184	22	3	8-Φ18	AT160/ATE190
150	394	438/600	577/655	285	240	211	24	3	8-Φ22	AT190/ATE210
200	457	600/633	695/730	340	295	266	24	3	12-Φ22	AT210/ATE240
250	533	633/730	762/792	405	355	319	26	3	12-Φ26	AT240/ATE270
300	610	1180	808	460	410	370	28	4	12-Φ26	AW20/AW25S
350	686	1180	916	520	470	429	30	4	16-Φ26	AW20/AW28S
400	762	1320	970	580	525	480	32	4	16-Φ30	AW28/AW35S
500	914	1430	1088	715	650	609	36	4	20-Φ33	AW35/AW40S

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q647(N、P、H、Y)-PN25(2.5Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
	L	L ₁	~H	D	D ₁	D ₂	C	f	n-Φd	
50	216	248/345	333/370	165	125	99	20	3	4-Φ18	AT83/ATE125
65	243	269/409	388/442	185	145	118	22	3	4-Φ18	AT105/ATE140
80	283	345/438	430/472	200	160	132	24	3	8-Φ18	AT125/ATE160
100	305	409/550	507/575	235	190	156	24	3	8-Φ22	AT140/ATE190
125	381	438/600	562/630	270	220	184	26	3	8-Φ26	AT160/ATE210
150	403	550/633	640/700	300	250	211	28	3	8-Φ26	AT190/ATE240
200	502	600/633	705/740	360	310	274	30	3	12-Φ26	AT210/ATE240
250	568	633/730	772/802	425	370	330	32	3	12-Φ30	AT240/ATE270
300	648	1180	821	485	430	389	34	4	16-Φ30	AW20/AW25S
350	762	1180	934	555	490	448	38	4	16-Φ30	AW20/AW28S
400	838	1320	990	620	555	503	40	4	16-Φ36	AW28/AW35S
500	991	1430	1006	730	660	609	44	4	20-Φ36	AW35/AW40S

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
 注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
 注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
 注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸Q647(N、P、H、Y)-PN40(4.0Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size							执行器型号 Actuator Model
	L	L ₁	~H	D	D ₁	D ₂	D ₃	C	f	n-Φd	
50	216	248/345	358/397	165	125	99	88x4	20	3	4-Φ18	AT83/ATE125
65	243	269/345	410/452	185	145	118	110x4	22	3	8-Φ18	AT105/ATE125
80	283	345/409	462/530	200	160	132	121x4	24	3	8-Φ18	AT125/ATE140
100	305	409/438	547/615	235	190	156	150x4.5	24	3	8-Φ22	AT140/ATE160
125	381	438/550	635/695	270	220	184	176x4.5	26	3	8-Φ26	AT160/ATE190
150	403	550/600	700/735	300	250	211	204x4.5	28	3	8-Φ26	AT190/ATE210
200	502	633/730	748/778	375	320	284	260x4.5	34	3	12-Φ30	AT240/ATE270
250	568	730	803	450	385	315	313x4.5	38	3	12-Φ33	AT270/AW25S
300	648	1320	914	515	450	409	364x4.5	42	4	16-Φ33	AW25/AW28S
350	762	1320	970	580	510	465	422x5	46	4	16-Φ36	AW25/AW35S
400	838	1430	1060	660	585	535	474x5	50	4	16-Φ39	AW35/AW40S
500	991	1950	1228	755	670	615	576x5	52	4	20-Φ42	AW40

Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
 Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
 Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
 Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.

技术规范 Technique norm

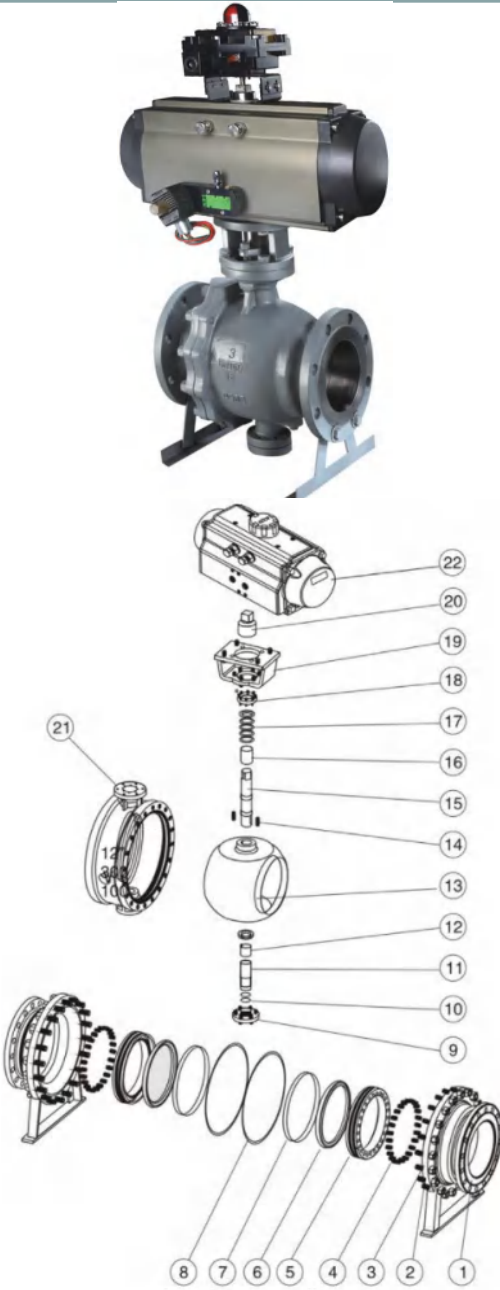
设计依据 Design Basis		API、ANSI标准 Standard
设计标准 Design standard		API 6D、ANSI B16.34
结构长度 Face to face dimension	法兰连接 Flange connecting	API 6D、ANSI B16.10
连接法兰尺寸 Connecting Flange Size		ANSI B16.5
试验和检验 Test & inspection		API 6D、API598

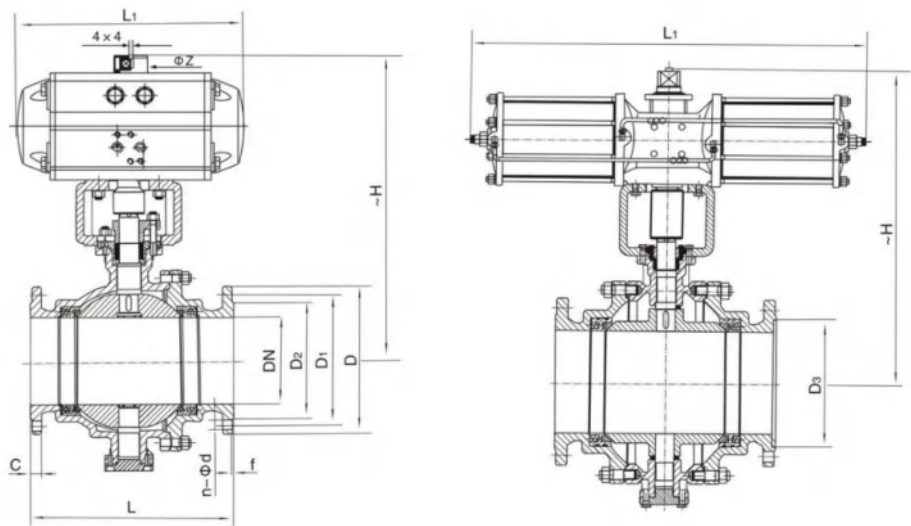
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	左右阀体 Body	A216-WCB	A351-CF8	A351-CF8M
2	螺栓 Screw	A193-B7	A276-304	A276-316
3	螺母 Nut	A194-2H	A276-304	A276-316
4	弹簧 Spring	YB/T5104 60Si2Mo	YBD(T)11 1Cr18Ni9	YBD(T)11 0Cr18Ni12M02
5	阀座 Seat	A182-A105	A276-304	A276-316
6	密封圈 Sealing ring	PTFE、尼龙(Nylon)、对位聚苯(PPL)、硬质合金 Hard Alloy		
7	O形圈 "O"Ring	橡胶Rubber、氟橡胶Viton		
8	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
9	法兰 Flange	A216-WCB	A351-CF8	A351-CF8
10	垫片 Gasket	A276-304	A276-304	A276-316
11	下阀杆 Stem	A276-410	A276-304	A276-316
12	衬套 Bushing	PTFE复合轴承 Composite bearings		
13	球体 Ball	A182-F304	A182-F304	A182-F316
14	键 Key	AISI C1045	A276-304	A276-316
15	阀杆 Stem	A276-410	A276-304	A276-316
16	衬套 Bushing	PTFE复合轴承 Composite bearings		
17	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
18	填表料压盖 Gland	A216-WCB	A276-304	A276-316
19	连接套 Connector set	A182-A105	A276-304	A276-304
20	支架 Yoke	A216-WCB	A276-304	A276-304
21	阀体 Body	A216-WCB	A351-CF8	A351-CF8
22	气动执行器 Pneumatic Actuator	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements





主要外形及连接法兰尺寸Q647F(N、P、H、Y)-Class 150 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
DN	in	L	L1	~H	D	D1	D2	C	f	n-Φd	
50	2	178	248/269	320/345	152	120.6	92	15.8	1.6	4-Φ19	AT83/ATE105
65	2½	190	248/269	365/390	178	139.7	105	17.6	1.6	4-Φ19	AT105/ATE125
80	3	203	269/345	403/425	190	152.4	127	19.1	1.6	4-Φ19	AT105/ATE125
100	4	229	345/438	475/532	229	190.5	157	23.9	1.6	8-Φ19	AT125/ATE160
125	5	356	409/550	539/627	254	216	186	23.9	1.6	8-Φ22	AT160/ATE190
150	6	394	438/600	574/652	279	241.3	216	25.4	1.6	8-Φ22	AT190/ATE210
200	8	457	600/633	693/728	343	298.5	270	28.6	1.6	8-Φ22	AT210/ATE240
250	10	533	633/730	762/792	406	362	324	30.2	1.6	12-Φ25	AT240/ATE270
300	12	610	1180	820	483	432	381	31.8	1.6	12-Φ25	AW20/AW25S
350	14	686	1180	923	533	476	413	35	1.6	12-Φ29	AW20/AW28S
400	16	762	1320	979	597	539.5	470	36.6	1.6	16-Φ29	AW28/AW35S
500	20	914	1430	1079	699	635	584	42.9	1.6	20-Φ32	AW35/AW40S

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q647(N、P、H、Y)-Class 300 Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
DN	in	L	L ₁	~H	D	D ₁	D ₂	C	f	n-Φd	
50	2	216	248/345	336/373	165	127	92	22.3	1.6	8-Φ19	AT83/ATE125
65	2 1/2	241	269/409	395/449	190	149.2	105	25.4	1.6	8-Φ22	AT105/ATE140
80	3	283	315/438	435/477	210	168.3	127	28.6	1.6	8-Φ22	AT125/ATE160
100	4	305	409/550	504/572	254	200	157	31.8	1.6	8-Φ22	AT140/ATE190
125	5	381	438/600	566/634	279	234.9	186	35	1.6	8-Φ22	AT160/ATE210
150	6	403	550/633	649/709	318	269.9	216	36.6	1.6	12-Φ22	AT190/ATE240
200	8	502	600/633	715/750	381	330.2	270	41.3	1.6	12-Φ25	AT210/ATE240
250	10	568	633/730	782/812	444	387.5	324	47.7	1.6	16-Φ29	AT240/ATE270
300	12	648	1162	839	521	451	381	50.8	1.6	12-Φ32	AW20/AW25S
350	14	762	1380	984	584	514.5	413	54	1.6	20-Φ32	AW20/AW28S
400	16	838	1860	1004	648	571.5	470	57	1.6	20-Φ35	AW28/AW35S
500	20	991	1860	1118	775	686	584	63.5	1.6	24-Φ35	AW35/AW40S

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸Q647(N、P、H、Y)-Class 400 Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
DN	in	L	L ₁	~H	D	D ₁	D ₂	C	f	n-Φd	
50	2	292	269/409	393/447	165	127	92	25.4	6.4	8-Φ19	AT83/ATE125
65	2 1/2	330	345/438	432/474	190	149.5	105	28.6	6.4	8-Φ22	AT105/ATE125
80	3	356	345/409	507/575	210	168.3	127	31.8	6.4	8-Φ22	AT125/ATE140
100	4	406	409/550	572/640	254	200	157	35	6.4	8-Φ26	AT140/ATE160
125	5	457	438/600	644/704	279	234.9	186	38.2	6.4	8-Φ26	AT160/ATE190
150	6	495	550/633	721/751	318	269.9	216	41.3	6.4	12-Φ26	AT190/ATE210
200	8	597	633/730	787/817	381	330.2	270	47.6	6.4	12-Φ29	AT240/ATE270
250	10	673	1180	801	444	387.3	324	54	6.4	16-Φ32	AT270/AW25S
300	12	762	1180	916	521	450.8	381	57.5	6.4	16-Φ35	AW25/AW28S
350	14	826	1320	973	584	514.3	413	60.5	6.4	20-Φ35	AW25/AW35S
400	16	902	1430	1055	648	571.5	470	63.5	6.4	20-Φ39	AW35/AW40S
500	20	1054	1950	1228	775	685.8	584	70	6.4	24-Φ42	AW40

Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.

技术规范 Technique norm

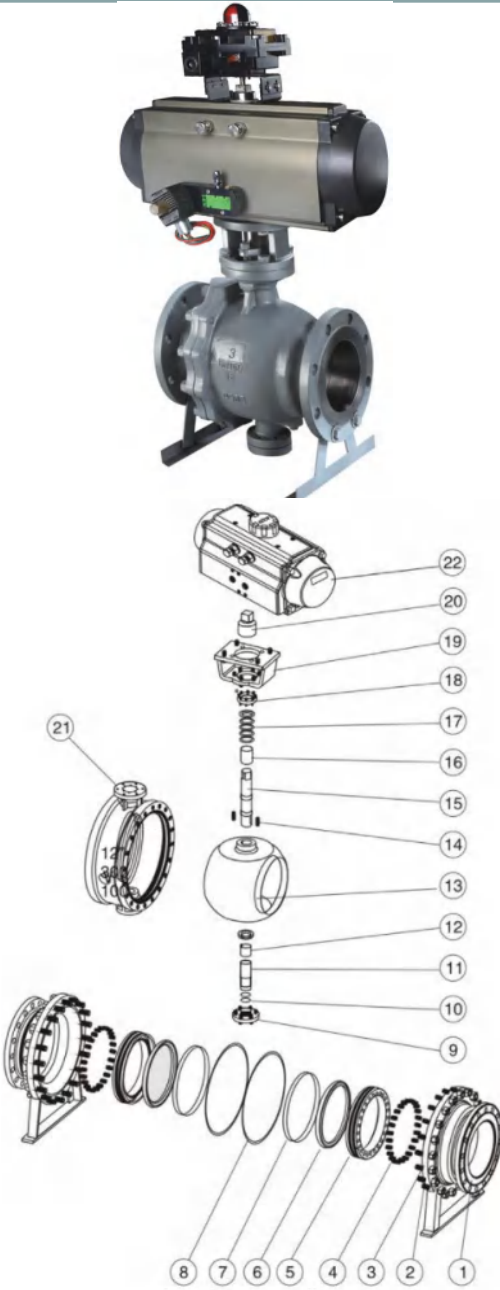
设计依据 Design Basis		JIS标准 Standard
设计标准 Design standard		BS35351
结构长度 Face to face dimension	法兰连接 Flange connecting	JIS B2002
连接法兰尺寸 Connecting Flange Size		JIS B2212、B2213、B2214
试验和检验 Test & inspection		JIS B2003

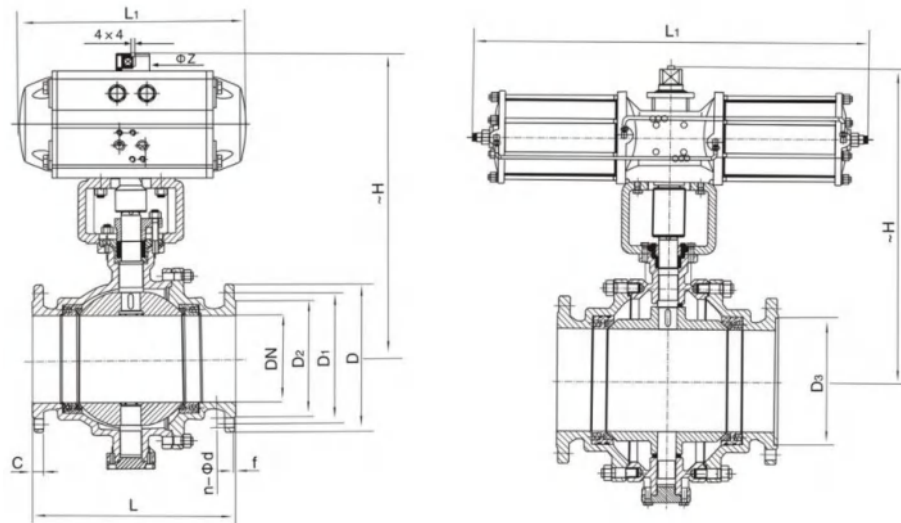
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	左右阀体 Body	SCPH ₂	SCS13	SCS14
2	螺栓 Screw	S35C	SUS304	SUS304
3	螺母 Nut	S35C	SUS304	SUS304
4	弹簧 Spring	60Si2Mo	SUS302	SUS316
5	阀座 Seat	SUS410	SUS304	SUS316
6	密封圈 Sealing ring	PTFE、尼龙(Nylon)、对位聚苯(PPL)、硬质合金 Hard Alloy		
7	O形圈 "O"Ring	橡胶Rubber、氟橡胶Viton		
8	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
9	法兰 Flange	SCPH ₂	SCS13	SCS13
10	垫片 Gasket	SUS304	SUS304	SUS316
11	下阀杆 Stem	SUS410	SUS304	SUS316
12	衬套 Bushing	PTFE复合轴承 Composite bearings		
13	球体 Ball	SUS304	SUS304	SUS316
14	键 Key	S35C	SUS304	SUS316
15	阀杆 Stem	SUS410	SUS304	SUS316
16	衬套 Bushing	PTFE复合轴承 Composite bearings		
17	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
18	填料压盖 Gland	SCPH ₂	SCS13	SUS316
19	连接套 Connector set	S35C	SUS304	SUS304
20	支架 Yoke	SCPH ₂	SCS13	SCS13
21	阀体 Body	SCPH ₂	SCS13	SCS14
22	气动执行器 Pneumatic Actuator	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements





主要外形及连接法兰尺寸Q647F(N、P、H、Y)-10K Main Outline and Connecting Flange Size

公称口径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
DN	in	L	L ₁	~H	D	D ₁	D ₂	C	f	n-Φd	
50	2	178	248/269	319/343	155	120	100	16	2	4-Φ19	AT83/ATE105
65	2 1/2	190	248/269	363/387	175	140	120	18	2	4-Φ19	AT105/ATE125
80	3	203	269/345	401/423	185	150	130	18	2	8-Φ19	AT105/ATE125
100	4	229	345/438	471/528	210	175	155	18	2	8-Φ19	AT125/ATE160
125	5	356	409/550	537/625	250	210	185	20	2	8-Φ23	AT160/ATE190
150	6	394	438/600	574/652	280	240	215	22	2	8-Φ23	AT190/ATE210
200	8	457	600/633	686/722	330	290	265	22	2	12-Φ23	AT210/ATE240
250	10	533	633/730	759/789	400	355	325	24	2	12-Φ25	AT240/ATE270
300	12	610	1180	801	445	400	370	24	3	16-Φ25	AW20/AW25S
350	14	686	1180	901	490	445	415	26	3	16-Φ25	AW20/AW28S
400	16	762	1320	960	560	510	475	28	3	16-Φ27	AW28/AW35S
500	20	914	1430	1068	675	620	585	30	3	20-Φ27	AW35/AW40S

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

主要外形及法兰连接尺寸Q647(N、P、H、Y)-20K Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size			连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
DN	in	L	L ₁	~H	D	D ₁	D ₂	C	f	n-Φd	
50	2	216	248/345	329/366	155	120	100	18	2	8-Φ19	AT83/ATE125
65	2 1/2	241	269/409	390/444	175	140	120	20	2	8-Φ19	AT105/ATE140
80	3	283	345/438	430/472	200	160	135	22	2	8-Φ23	AT125/ATE160
100	4	305	409/550	494/562	225	185	160	24	2	8-Φ23	AT140/ATE190
125	5	381	438/600	561/629	270	225	195	26	2	8-Φ25	AT160/ATE210
150	6	403	550/633	642/702	305	260	230	28	2	12-Φ25	AT190/ATE240
200	8	502	600/633	700/735	350	305	275	30	2	12-Φ22	AT210/ATE240
250	10	568	730	775/805	430	380	345	34	2	12-Φ27	AT240/ATE270
300	12	648	1180	818	480	430	395	35	3	16-Φ27	AW20/AW25S
350	14	762	1180	926	540	480	440	40	3	16-Φ33	AW20/AW28S
400	16	838	1320	983	605	540	495	46	3	16-Φ33	AW28/AW35S
500	20	991	1430	1095	730	660	615	50	3	20-Φ33	AW35/AW40S

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。

注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。

注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.

Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.

Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.

Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.



气动V型球阀

型号: VQ670H(P, Y)
口径: DN25-500mm
压力: 1.6, 2.5, 4.0, 6.4MPa; 150Lb, 300Lb, 600Lb;
结构: V型切口固定球
尺寸标准: 国标、美标、日标
阀体材质: 碳钢(WCB)、不锈钢(CF8, CF8M, CF3, CF3M)
阀座材料: 硬质合金(H, Y)
作用方式: 双作用、单作用(弹簧复位)
控制方式: 开关型、调节型
附件选择: 电磁阀、定位器、限位开关
气源处理三联件、手动机构

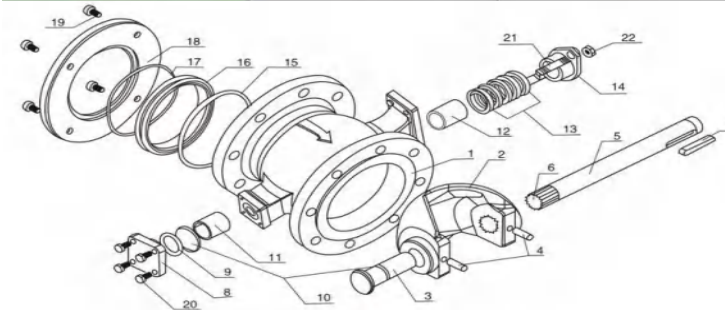
Pneumatic V-Ball Valve
Model: VQ670H(P, Y)
Bore: DN25-500MM
Pressure: 1.6, 2.5, 4.0, 6.4MPa;
150Lb, 300 Lb, 600 Lb;
Structure: Fixed V-notch ball
Dimension standard: GB, American Standard,
Japanese Standard
Body material: Carbon steel (WCB),
Stainless steel (CF8, CF8M, CF3, CF3M)
Seat material: H, Y
Mode of action: the double-acting/ single-acting
type(spring reposition) of pneumatic actuator
Control: Switch type, Adjust type
Selection of Accessories: solenoid valve, Locator,
Limit switch, F.R.L. COMBINATION UNIT, Manual Device.





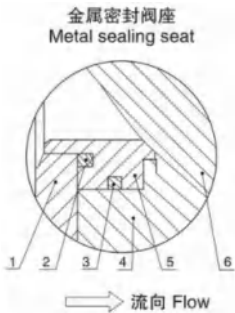
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设计依据 Design Basis	GB标准 Standard	ANSI标准 Standard
设计标准 Design standard	GB/12237	ANSI B16.34
连接法兰尺寸 Connecting Flange Size	GB/9113、JB/T79	ANSI B16.5
试验和检验 Test & inspection	JB/T9092	API 598

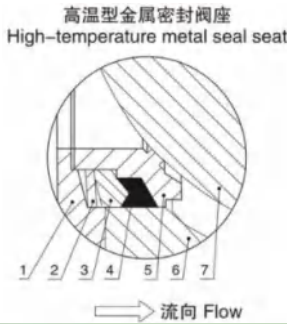


零件清单 Parts List

序号No.	名称	Name	数量(件) Quantity (pieces)	材料 Material
1	阀体	Body	1	WCB、CF8、CF8M、CF3、CF3M
2	阀芯	Spool	1	CF8、CF8M+镀硬铬或超音速喷涂
3	后阀杆	After stearn	1	17-4PH、SS316
4	圆柱销	Cylindrical pin	2	SS304、SS316
5	前阀杆	Before steam	1	17-4PH、SS316
6	花键	Spline	1	17-4PH、SS316
7	平键	Flat key	1	Ss304、45#
8	后压盖	After gland	1	CF8、CF8M
9	O形圈	"O"-Ring	1	氟橡胶 Viton
10	调整垫	Adjust pad	各1	PTFE
11	自润滑轴承	Self-lubricating bearings	1	复合材料 Composite material
12	自润滑轴承	Self-lubricating bearings	1	复合材料 Composite material
13	填料	Packing	1组	PTFE
14	填料压盖	Gland	1	CF8
15	O形圈	"O"-Ring	1	氟橡胶 Viton
16	密封座	Seal block	1	SS304、SS316+镀硬铬或超音速喷涂
17	密封座弹簧	Seal block spring	1	SS316
18	密封座盖	Sealing lid	1	Q235、SS304、SS316
19	内六角螺钉	inner Hexagon screw		SS304
20	六角螺钉	Hexagon screw	4	SS304
21	双头螺钉	Double-headed screw	2	SS304
22	六角螺母	Hexagon nut	2	Ss304

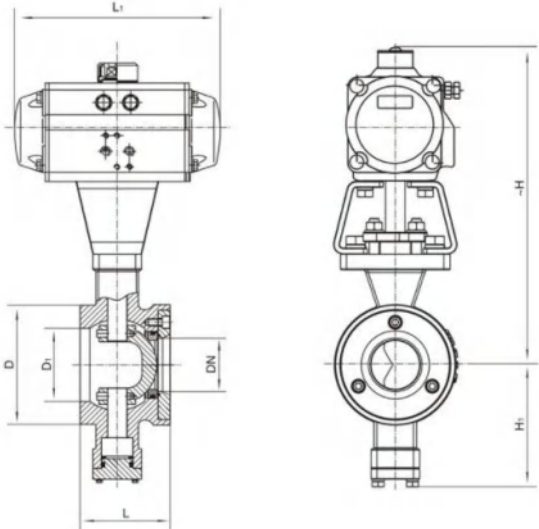


金属密封阀座 Metal sealing seat		
序号 No.	名称 Name	温度范围℃ Temperature range
1	密封阀盖 Seal Bonnet	-20~230℃
2	弹簧 Spring	
3	O形圈 "O"-Ring	
4	阀体 Body	
5	密封座 Seal Block	
6	阀芯 Spool	



高温型金属密封阀座 High-temperature metal seal seat		
序号 No.	名称 Name	温度范围℃ Temperature range
1	密封阀盖 Seal Bonnet	-20~425℃
2	蝶簧 Butterfly Spring	
3	压圈 Flower ring	
4	石墨环 Graphite ring	
5	阀座 Seat	
6	阀体 Body	
7	阀芯 Spool	

气动对夹式V型球阀VQ670H(P、Y)-PN16、PN25、Class150
Pneumatic Wafer V-Type Ball Valve



主要外形及法兰连接尺寸VQ670H(P、Y)-PN16、2.5(1.6、2.5Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN		外形/连接尺寸 Outline/Connecting Size						执行器型号 Actuator Model
		L	L ₁	~H	H ₁	D	D ₁	
25	1	62	159/248	260/290	87	68	38	AT65/ATE83
32	1 1/4	62	159/248	267/297	87	78	42	AT65/ATE83
40	1 1/2	62	211/248	292/312	87	85	50	AT75/ATE90
50	2	75	248/269	292/312	97	100	60	AT83/ATE105
65	2 1/2	90	248/315	332/340	112	120	75	AT83/ATE125
80	3	100	269/345	359/381	112	130	94	AT105/ATE125
100	4	115	345/409	394/411	122	158	110	AT125/ATE140
125	5	129	409/438	410/416	142	180	135	AT140/ATE160
150	6	160	438/550	461/486	165	216	165	AT160/ATE190
200	8	200	550/600	509/553	195	268	210	AT190/ATE210
250	10	240	633/730	572/628	237	325	260	AT240/ATE270

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸VQ670H(P、Y)-Class150 Main Outline and Connecting Flanged Size

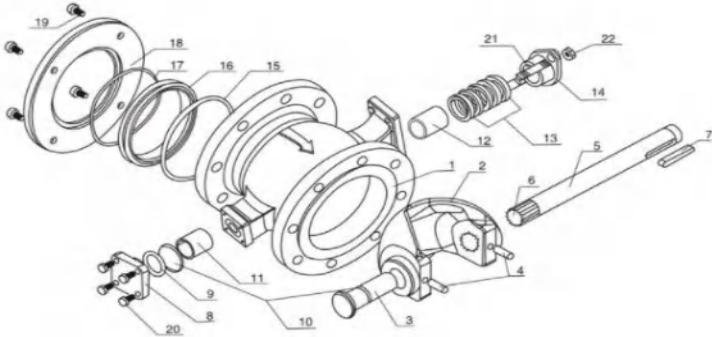
公称通径 Nominal diameter DN		外形/连接尺寸 Outline/Connecting Size						执行器型号 Actuator Model
		L	L ₁	~H	H ₁	D	D ₁	
25		62	159/248	260/290	87	68	38	AT65/ATE83
32		62	159/248	267/297	87	78	42	AT65/ATE83
40		62	211/248	292/312	87	85	50	AT75/ATE90
50		75	248/269	292/312	97	100	60	AT83/ATE105
65		90	248/315	332/340	112	120	75	AT83/ATE125
80		100	269/345	359/381	112	130	94	AT105/ATE125
100		115	345/409	394/411	122	158	110	AT125/ATE140
125		129	409/438	410/416	142	180	135	AT140/ATE160
150		160	438/550	461/486	165	216	165	AT160/ATE190
200		200	550/600	509/553	195	268	210	AT190/ATE210
250		240	633/730	572/628	237	325	260	AT240/ATE270

Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.



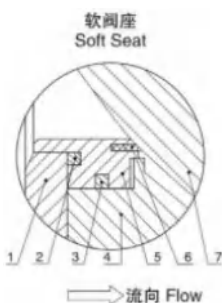
技术规范 Technique norm

设计依据 Design Basis	GB标准 Standard	ANSI标准 Standard
设计标准 Design standard	GB/12237	ANSI B16.34
连接法兰尺寸 Connecting Flange Size	GB/9113、JB/T79	ANSI B16.5
试验和检验 Test & inspection	JB/T9002	API 598

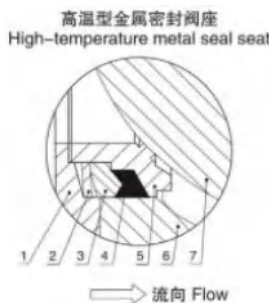


零件清单 Parts List

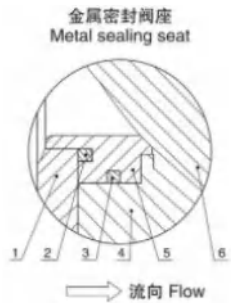
序号No.	名称	Name	数量(件) Quantity (pieces)	材料 Material
1	阀体	Body	1	WCB、CF8、CF8M、CF3、CF3M
2	阀芯	Spool	1	CF8、CF8M+镀硬铬或超音速喷涂
3	后阀杆	After steam	1	17-4PH、SS316
4	圆柱销	Cylindrical pin	2	SS304、SS316
5	前阀杆	Before steam	1	17-4PH、SS316
6	花键	Spline	1	17-4PH、SS316
7	平键	Flat key	1	Ss304、45#
8	后压盖	After gland	1	CF8、CF8M
9	O形圈	"O"-Ring	1	氟橡胶 Viton
10	调整垫	Adjust pad	各1	PTFE
11	自润滑轴承	Self-lubricating bearings	1	复合材料 Composite material
12	自润滑轴承	Self-lubricating bearings	1	复合材料 Composite material
13	填料	Packing	1组	PTFE
14	填料压盖	Gland	1	CF8
15	O形圈	"O"-Ring	1	氟橡胶 Viton
16	密封座	Seal block	1	PTFE、SS304、SS316+镀硬铬或超音速喷涂
17	密封座弹簧	Seal block spring	1	SS316
18	密封座盖	Sealing lid	1	Q235、SS304、SS316
19	内六角螺钉	inner Hexagon screw		SS304
20	六角螺钉	Hexagon screw	4	SS304
21	双头螺钉	Double-headed screw	2	SS304
22	六角螺母	Hexagon nut	2	SS304



金属密封阀座 Metal sealing seat		
序号 No.	名称 Name	温度范围℃ Temperature range
1	密封阀盖 Seal Bonnet	-20~160℃ -20~230℃
2	弹簧 Spring	
3	O形圈 "O"-Ring	
4	阀体 Body	
5	密封座 Seal Block	
6	阀芯 Spool	

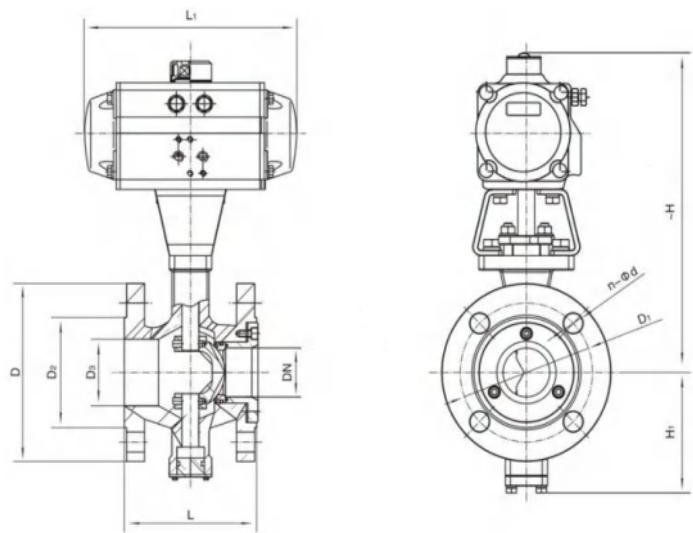


高温型金属密封阀座 High-temperature metal seal seat		
序号 No.	名称 Name	温度范围℃ Temperature range
1	密封阀盖 Seal Bonnet	-20~425℃
2	蝶簧 Butterfly Spring	
3	压圈 Flange ring	
4	石墨环 Graphite ring	
5	阀座 Seat	
6	阀体 Body	
7	阀芯 Spool	



软阀座 Soft Seat		
序号 No.	名称 Name	温度范围℃ Temperature range
1	密封阀盖 Seal Bonnet	-20~160℃
2	弹簧 Spring	
3	O形圈 "O"-Ring	
4	阀体 Body	
5	密封座 Seal Block	
6	密封圈(PTFE) Seal Ring	
7	阀芯 Spool	

气动法兰式V型球阀VQ670F(P、H、Y)-PN16、PN25、Class150
Pneumatic Flange V-Type Ball Valve



主要外形及法兰连接尺寸VQ640F(P、H、Y)-PN16(1.6Mpa) Main Outline and Connecting Flanged Size

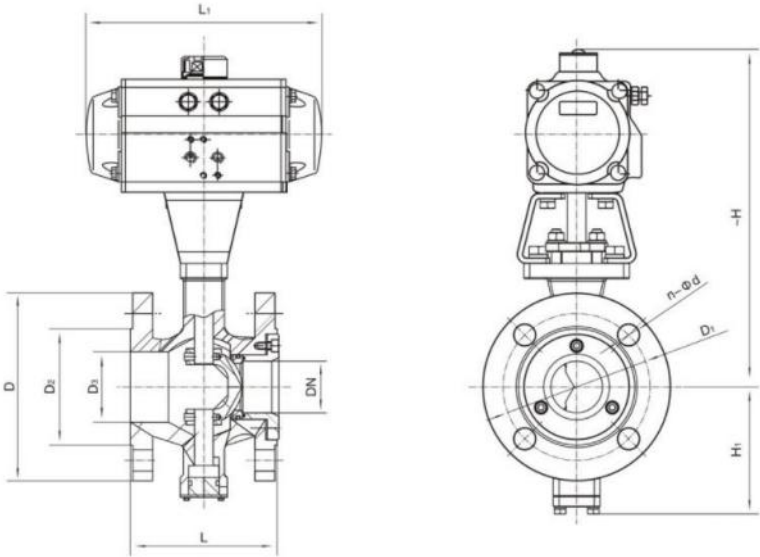
公称通径 Nominal diameter DN	外形/连接尺寸 Outline/Connecting Size											执行器型号 Actuator Model
	L	L ₁	~H	H ₁	D	D ₁	D ₂	D ₃	C	f	n-Φd	
25	102	159/248	260/290	87	115	85	65	38	16	2	4-Φ14	AT65/ATE83
32	105	159/248	267/297	87	140	100	76	42	18	3	4-Φ18	AT65/ATE83
40	114	211/269	292/312	87	150	110	84	50	18	3	4-Φ18	AT75/ATE105
50	124	248/269	292/312	97	165	125	99	60	20	3	4-Φ18	AT83/ATE105
65	145	269/315	327/340	112	185	145	118	75	20	3	4-Φ18	AT105/ATE125
80	165	315/345	359/381	112	200	160	132	94	20	3	8-Φ18	AT125/ATE140
100	194	345/409	395/412	122	220	180	156	110	22	3	8-Φ18	AT125/ATE140
125	213	409/438	399/416	142	250	210	184	135	22	3	8-Φ18	AT160/ATE190
150	229	438/550	461/486	165	285	240	211	165	24	3	8-Φ22	AT190/ATE210
200	243	550/600	509/553	195	340	295	266	210	24	3	12-Φ22	AT210/ATE240
250	297	633/730	603/628	237	405	355	319	260	26	3	12-Φ26	AT240/ATE270
300	334	730	790/825	287	460	410	370	310	28	4	12-Φ26	AT270/AW20S
350	414	1180	828/858	338	520	470	429	360	30	4	16-Φ26	AW20/AW25S
400	490	1180	1063/-	390	580	525	480	410	32	4	16-Φ30	AW20/AW25S
500	600	1320	-	510	715	650	609	510	36	4	16-Φ33	AW25/AW35S

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸VQ640F(P、H、Y)-PN25(2.5Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter DN	外形/连接尺寸 Outline/Connecting Size											执行器型号 Actuator Model
	L	L ₁	~H	H ₁	D	D ₁	D ₂	D ₃	C	f	n-Φd	
25	102	159/248	260/290	87	115	85	65	38	16	3	4-Φ14	AT65/ATE83
32	105	159/248	267/297	87	140	100	76	42	18	3	4-Φ18	AT65/ATE83
40	114	211/269	292/312	87	150	110	84	50	18	3	4-Φ18	AT75/ATE105
50	124	248/315	312/325	97	165	125	99	60	20	3	4-Φ18	AT83/ATE125
65	145	315/345	340/362	112	185	145	118	75	22	3	8-Φ18	AT125/ATE140
80	165	345/409	381/398	112	200	160	132	94	24	3	8-Φ18	AT125/ATE140
100	194	345/409	395/412	122	235	190	156	110	24	3	8-Φ22	AT125/ATE140
125	213	409/438	416/441	142	270	220	184	135	26	3	8-Φ26	AT140/ATE160
150	229	438/550	486/530	165	300	250	211	165	28	3	8-Φ26	AT160/ATE190
200	243	550/600	553/578	195	360	310	274	210	30	3	12-Φ26	AT190/ATE210
250	297	633/730	628/673	237	425	370	330	260	32	3	12-Φ30	AT240/ATE270
300	334	730	725/755	281	485	430	389	310	34	4	16-Φ30	AT270/AW20S
350	414	1180	858/-	338	555	490	448	360	38	4	16-Φ33	AW20/AW25S
400	490	1180	-/-	390	620	550	503	410	40	4	16-Φ36	AW20/AW25S
500	600	1320	-/-	510	730	660	609	510	44	4	20-Φ36	AW25/AW35S

Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T79 standard or users' requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.



主要外形及连接法兰尺寸Q640F(P、H、Y)-Class 150 Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形/连接尺寸 Outline/Connecting Size											执行器型号 Actuator Model
	L	L1	~H	H1	D	D1	D2	D3	C	f	n-Φd	
25	102	159/248	260/290	87	108	79.5	51	38	12	1.6	4-Φ16	AT65/ATE83
32	105	159/248	267/297	87	117	88.9	64	42	13	1.6	4-Φ16	AT65/ATE83
40	114	211/269	292/312	87	127	98.4	73	50	14.5	1.6	4-Φ16	AT75/ATE105
50	124	248/269	292/312	97	152	120.6	92	60	15.8	1.6	4-Φ19	AT83/ATE105
65	145	248/315	327/340	112	178	139.7	105	75	17.6	1.6	4-Φ19	AT105/ATE125
80	165	315/345	359/381	112	190	152.4	127	94	19.1	1.6	4-Φ19	AT125/ATE140
100	194	345/409	395/412	122	229	190.5	157	110	23.9	1.6	8-Φ19	AT125/ATE140
125	213	409/438	399/416	142	254	216	186	135	23.9	1.6	8-Φ22	AT160/ATE190
150	229	438/550	461/486	165	279	241.3	216	165	25.4	1.6	8-Φ22	AT190/ATE210
200	243	550/600	509/553	195	343	298.5	270	210	28.6	1.6	8-Φ22	AT210/ATE240
250	297	633/730	603/628	237	406	362	324	260	30.2	1.6	12-Φ25	AT240/ATE270
300	334	730	790/825	281	483	432	381	310	31.8	1.6	12-Φ25	AT270/AW20S
350	414	1180	828/858	338	533	476	413	360	35	1.6	12-Φ29	AW20/AW25S
400	490	1180	1063/-	390	597	539.5	470	410	36.6	1.6	16-Φ29	AW20/AW25S
500	600	1320	-	510	698	635	584	510	42.9	1.6	20-Φ32	AW25/AW35S

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

气动三通球阀

型号: Q644(5)F(N, P, H, Y)

口径: DN15-300mm

压力: 1.6, 2.5, 4.0, 6.4MPa; 150Lb, 300Lb, 600Lb;

结构: 法兰式、内螺纹式

尺寸标准: 国标、美标、日标

阀体材质: 碳钢(WCB)、不锈钢(CF8, CF8M, CF3, CF3M)

阀座材料: 聚四氟乙烯(F)、对位聚苯PPL(P)、硬质合金(H, Y)

作用方式: 双作用、单作用(弹簧复位)

控制方式: 换向、分流、合流

附件选择: 电磁阀、定位器、限位开关

气源处理三联件、手动机构

Pneumatic Three-way ball valve

Model: Q644(5)F(N,P,H,Y)

Bore: DN15-300MM

Pressure: 1.6, 2.5, 4.0, 6.4Mpa; 150Lb, 300 Lb, 600 Lb;

Structure: Flanged, Inside thread

Dimension standard: GB, American Standard,

Japanese Standard

Body material: Carbon steel (WCB),

Stainless steel (CF8, CF8M, CF3, CF3M)

Seat material: PTFE, PPL, H, Y

Mode of action: the double-acting/
single-acting type(spring reposition) of
pneumatic actuator

Control: by-pass flow, flow, Exchange

Selection of Accessories: solenoid valve, Locator,
Limit switch, F.R.L. COMBINATION UNIT, Manual Device.



技术规范 Technique norm

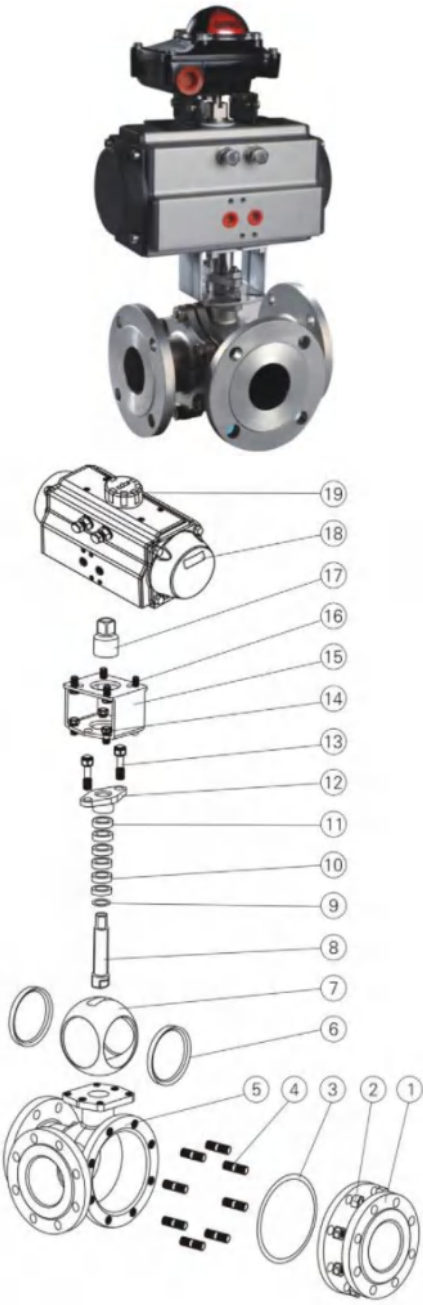
设计依据 Design Basis	GB标准 Standard	ANSI标准 Standard
设计标准 Design standard	GB/12237	ANSI B16.34
连接法兰尺寸 Connecting Flange Size	GB/9113、JB/T79	ANSI B16.5
试验和检验 Test & inspection	JB/T9092	API 598

注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

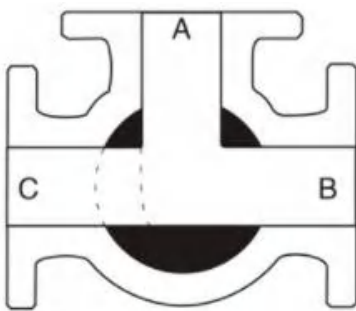
序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	右阀体 Right valve	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	螺母 Nut	35	1Cr18Ni9Ti	1Cr18Ni9Ti
3	垫片 Gasket	PTFE、石墨金属复合垫 Graphite metal composite pad		
4	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
5	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
6	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL)、硬质合金 Hard Alloy		
7	球体 Ball	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
9	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	填料 Packing	PTFE、柔 石墨 Flexible Graphite		
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	压盖 Gland	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
13	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
14	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
15	连接支架 Connecting Yoke	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
16	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
17	连接套 Connecting Set	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
18	气动装置 Pneumatic Device	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		
19	位置指示器 Location Indicator	塑料Plastic		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements

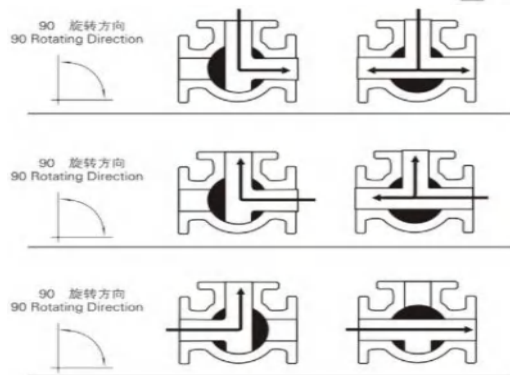
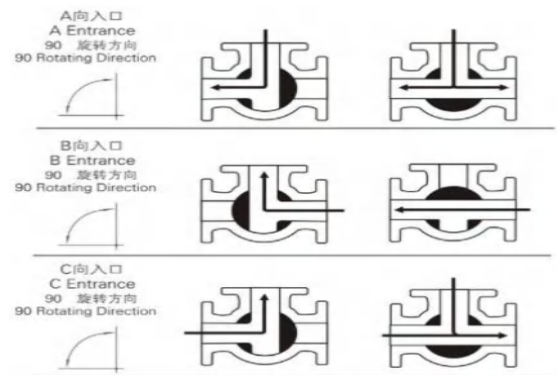


三通球阀介质流向示意图 Sketch of Medium Flow-direction of Three-way Ball Valve

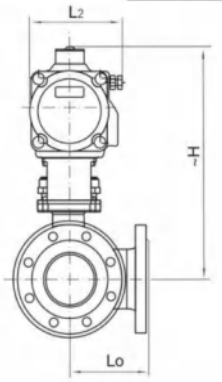
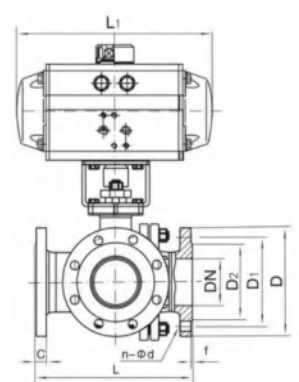
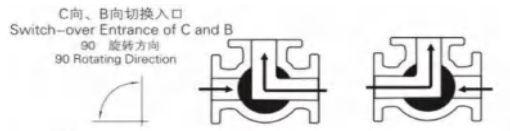
三通球阀用于换向分流或汇合流通，是具有二面或四面阀座的多通口球阀，任一通口可用作入口而无泄漏。三通既可制成L型通口也可制成T型通口
Three-way ball valve is used for diffluence or confluent circulation with two-side or four-side valve base embodying multiple channels. All The channels can be used as entrance, with no leakage. The three-way can be made to L-shaped channel or T-shaped channel.



T型通口 T-shaped Passage



L型通口 L-shaped Passage



主要外形及法兰连接尺寸Q644(5)F(N、P、H、Y)-PN16(1.6Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting size						执行器型号 Actuator Model
mm	in	L	Lo	L ₁	L ₂	-H	D	D ₁	D ₂	C	f	n-Φd	
15	1/2	150	72	141/159	71/83	204/235	95	65	46	14	2	4-Φ14	AT52/ATE65
20	3/4	160	80	159/211	83/95	240/252	105	75	56	16	2	4-Φ14	AT52/ATE65
25	1	180	90	211/248	95/107	257/265	115	85	65	16	2	4-Φ14	AT65/ATE83
32	1 1/4	200	100	211/248	95/107	277/312	140	100	76	18	3	4-Φ18	AT75/ATE90
40	1 1/2	220	110	248/269	107/123	292/317	150	110	84	18	3	4-Φ18	AT83/ATE105
50	2	240	120	248/345	107/152	325/347	165	125	99	20	3	4-Φ18	AT83/ATE105
62	2 1/2	260	130	315/409	141/172	357/389	185	145	118	20	3	4-Φ18	AT105/ATE125
80	3	280	140	345/409	152/172	368/400	200	160	132	20	3	8-Φ18	AT105/ATE140
100	4	320	160	409/550	172/215	410/498	220	180	156	22	3	8-Φ18	AT125/ATE160
125	5	380	190	438/600	187/240	470/538	250	210	184	22	3	8-Φ18	AT160/ATE190
150	6	440	220	550/633	215/262	556/591	285	240	211	24	3	8-Φ22	AT190/ATE210
200	8	550	260	600/730	210/330	648/687	340	295	266	24	3	12-Φ22	AT240/ATE270

注：球阀结构长度及法兰尺寸可根据JB/T79标准或用户要求设计。
 注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
 注：根据不用阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化。
 注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。

主要外形及法兰连接尺寸Q644(5)F(N、P、H、Y)-PN25(2.5Mpa) Main Outline and Connecting Flanged Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting size						执行器型号 Actuator Model
mm	in	L	Lo	L ₁	L ₂	-H	D	D ₁	D ₂	C	f	n-Φd	
15	1/2	150	72	159/211	83/95	235/247	95	65	46	14	2	4-Φ14	AT52/ATE65
20	3/4	160	80	211/248	95/107	252/260	105	75	56	16	2	4-Φ14	AT65/ATE83
25	1	180	90	248/269	107/123	265/289	115	85	65	16	2	4-Φ14	AT75/ATE90
32	1 1/4	200	100	248/315	107/141	287/312	140	100	76	18	3	4-Φ18	AT83/ATE105
40	1 1/2	220	110	269/409	123/152	317/339	150	110	84	18	3	4-Φ18	AT90/ATE105
50	2	240	120	345/345	123/152	325/347	165	125	99	20	3	4-Φ18	AT105/ATE125
65	2 1/2	260	130	269/345	141/172	357/389	185	145	118	22	3	4-Φ18	AT105/ATE140
80	3	280	140	315/438	152/187	400/425	200	160	132	24	3	8-Φ18	AT125/ATE160
100	4	320	160	409/550	172/215	443/531	235	190	156	24	3	8-Φ22	AT160/ATE190
125	5	380	190	438/600	187/240	548/583	270	220	184	26	3	8-Φ26	AT190/ATE210
150	6	440	220	550/633	215/262	628/665	300	250	211	28	3	8-Φ26	AT240/ATE270
200	8	550	260	600/730	240/330	695/744	360	310	274	30	3	12-Φ26	AT270

Note:The strctural length and connecting flange size of ball valve serise can be designed and manufactured as per JB/T79 standard or users'requirements.
 Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition)of pneumatic actuator.
 Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
 Note:The above actuator configuration and data all use soft-sealed valves(F、N、P)and hard-sealed valves,or consulting us if you have more questions.

技术规范 Technique norm

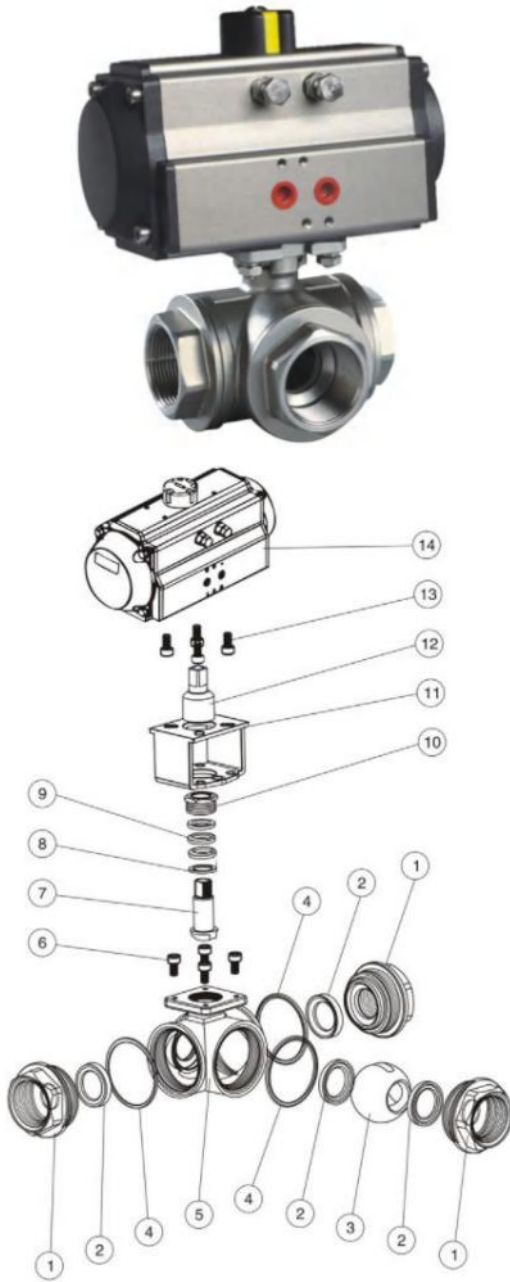
设计依据 Design Basis	GB标准 Standard	ANSI标准 Standard
设计标准 Design standard	GB/12237	ANSI B16.34
连接法兰尺寸 Connecting Flange Size	GB/9113、JB/T79	ANSI B16.5
试验和检验 Test & inspection	JB/T9092	API 598

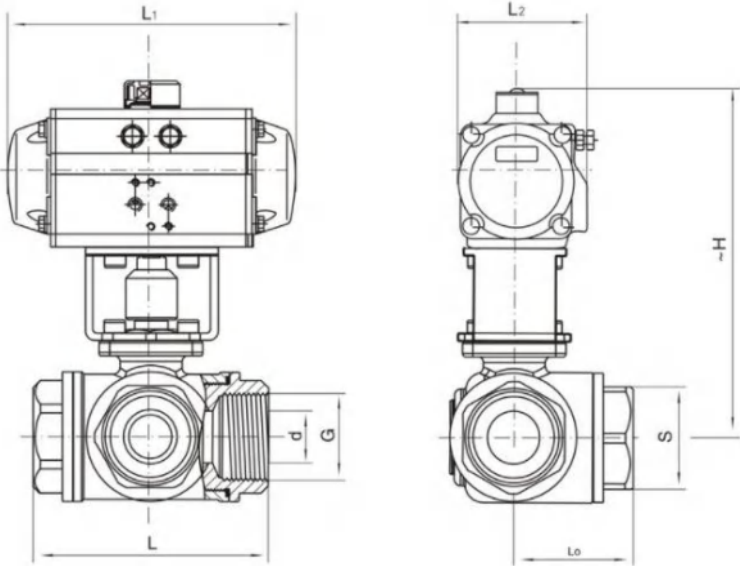
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material
1	接头 Connector	不锈钢CF8、CF8M、CF3、CF3M Stainless Steel CF8、CF8M、CF3、CF3M
2	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL)
3	球体 Ball	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
4	垫片 Gasket	PTFE
5	阀体 Body	不锈钢CF8、CF8M、CF3、CF3M Stainless Steel CF8、CF8M、CF3、CF3M
6	螺栓 Screw	不锈钢304 Stainless Steel 304
7	阀杆 Stem	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
8	垫片 Gasket	不锈钢304、316L Stainless Steel 304、316L
9	填料 Packing	PTFE
10	压盖 Gland	不锈钢304、316 Stainless Steel 304、316
11	连接支架 Connecting Yoke	不锈钢CF8 Stainless Steel CF8
12	连接套 Connecting Set	不锈钢304 Stainless Steel 304
13	螺栓 Screw	不锈钢304 Stainless Steel 304
14	气动装置 Pneumatic Device	GT系列、AT系列 GT Series,AT Series

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage size of ball valve series can be designed and manufactured as per uses'requirements





主要外形及连接法兰尺寸Q614(5)F(N、P)-PN16~64(1.6~6.4Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形连接尺寸 Connecting Flange Size								执行器型号 Actuator Model
DN	in	D	G	L	L0	L1	L2	~H	S	
15	1/2	10	1/2"	68	34	141/159	71/83	177/208	26	AT52/ATE65
20	3/4	15	3/4"	78	39	141/159	71/83	180/211	32	AT52/ATE65
25	1	20	1"	86	43	159/211	83/95	199/227	38	AT65/ATE83
32	1 1/4	25	1 1/4"	111	55.5	211/248	95/107	231/251	49	AT83/ATE105
40	1 1/2	32	1 1/2"	126	63	248/269	107/123	235/265	56	AT83/ATE105
50	2	38	2"	143	71.5	248/269	107/123	263/298	70	AT83/ATE105

注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）
注：根据不同的阀门扭矩、使用介质选配的执行器型号可能有所不同，其相关尺寸随之变化
Note:The structural length and connecting flange size of ball valve series can be designed and manufacture
Note:Date XXX/XXXrepresent double-acting /single-acting type(spring reposition)of pneumatic actuator
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model

气动三片式球阀

型号: Q61(6, 8, 2)1F(N, P, H, Y)

口径: DN10~100mm

压力: 1.6~6.4MPa

阀体材质: 碳钢(WCB)、不锈钢(CF8, CF8M, CF3, CF3M)

阀座材料: 聚四氟乙烯(F)、对位聚苯PPL(P)、硬质合金(H, Y)

作用方式: 双作用、单作用(弹簧复位)

控制方式: 开关型、调节型

附件选择: 电磁阀、定位器、限位开关

气源处理三联件、手动机构

Pneumatic Three-piece Ball Valve

Model: Q61(6, 8, 2)1F(N, P, H, Y)

Bore: DN10~100MM

Pressure: 1.6~6.4MPa

Body material: Carbon steel (WCB),

Stainless steel (CF8, CF8M, CF3, CF3M)

Seat material: PTFE, PPL, H, Y

Mode of action: the double-acting/
single-acting type (spring reposition)

of pneumatic actuator

Control: Switch type, Adjust type

Selection of Accessories: solenoid valve,

Locator, Limit switch,

F.R.L. COMBINATION UNIT, Manual Device.





Q611内螺纹连接
Inside tread connection



Q661对焊连接
Welding connection



Q681卡箍连接
Hoop connection



Q621外螺纹连接
Outside thread connection

技术规范 Technique norm

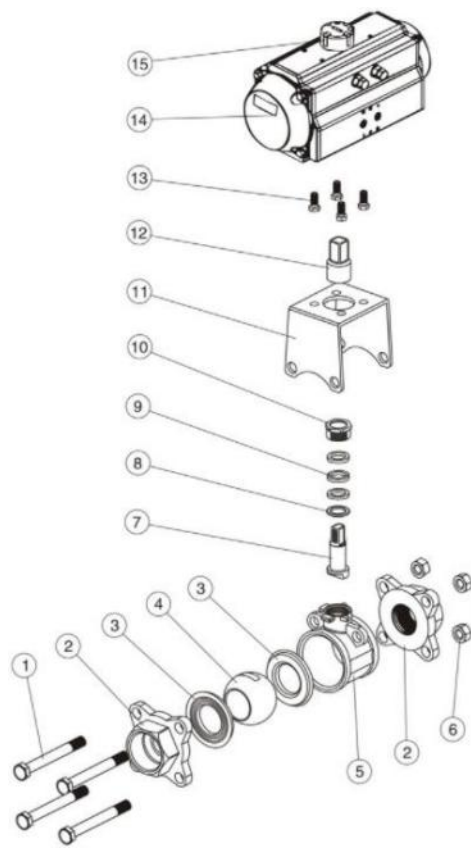
设计依据 Design Basis	GB标准 Standard	ANSI标准 Standard
设计标准 Design standard	GB/12237	ANSI B16.34
试验和检验 Test & inspection	JB/T9092	API 598

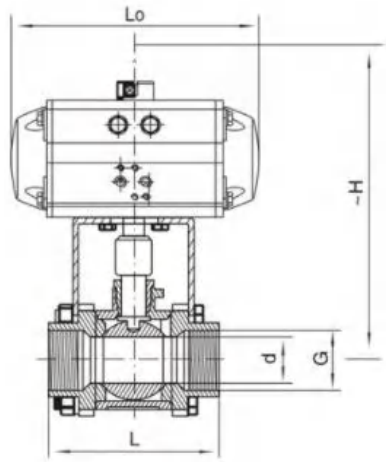
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表 Form of Main Parts Materials

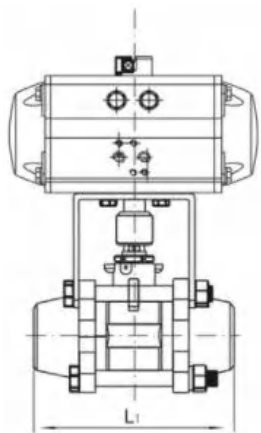
序号 No.	零件名称 Name of parts	材质 Material
1	螺栓 Screw	不锈钢304
2	接头 Connector	不锈钢CF8、CF8M、CF3、CF3M
3	阀座 Seat	PTFE、尼龙(Nylon)、对位聚苯(PPL) 硬质合金(H/Y)
4	球体 Ball	不锈钢304、304L、316、316L
5	阀体 Body	不锈钢CF8、CF8M、CF3、CF3M Stainless Steel CF8、CF8M、CF3、CF3M
6	螺母 Nut	不锈钢304 Stainless Steel 304
7	阀杆 Stem	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
8	垫片 Gasket	不锈钢304、316 Stainless Steel 304、316
9	填料 Packing	PTFE
10	压盖 Gland	不锈钢304、316 Stainless Steel 304、316
11	连接支架 Connecting Yoke	不锈钢CF8 Stainless Steel CF8
12	连接套 Connecting Set	不锈钢304 Stainless Steel 304
13	螺栓 Screw	不锈钢304 Stainless Steel 304
14	气动执行器 Pneumatic Actuator	GT系列、AT系列 GT Series,AT Series
15	位置指示器 Location Indicator	塑料Plastic

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements

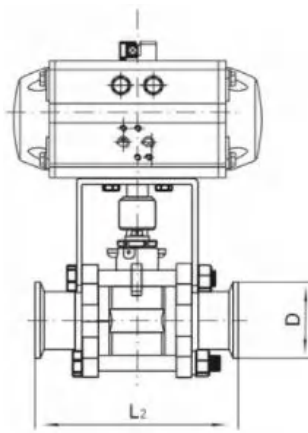




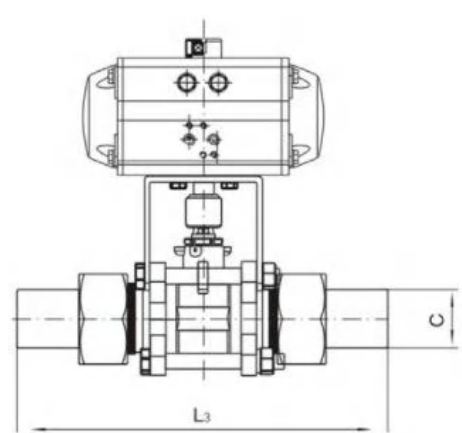
Q611



Q661



Q681



Q621

主要外形及连接法兰尺寸Q61(6、8、2)1F(N、P、H、Y)-PN16~64(1.6~6.4Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter		连接尺寸 Connecting size										执行器型号 Actuator Model
DN	in	d	L	G	L ₁	L ₂	D	L ₃	C	L ₀	~H	
15	1/2	15	72	1 1/2"	70	100	34	170	21	141/159	159/175	AT52/ATE65
20	3/4	20	82	3 4/4"	85	110	50.5	185	26	141/159	167/183	AT52/ATE65
25	1	25	90	1"	95	120	50.5	200	31	141/211	172/215	AT65/ATE83
32	1 1/4	32	112	1 1/4"	110	131	50.5	225	38	159/211	210/230	AT65/ATE105
40	1 1/2	40	120	1 1/2"	201/209	98/108	50.5	260	46	211/248	218/248	AT83/ATE105
50	2	50	145	2"	209/242	108/120	65	300	60	211/269	248/283	AT83/ATE105
65	2 1/2	65	185	2 1/2"	242/275	120/132	77.5			248/315	273/320	AT105/ATE125
80	3	80	210	3"	275/332	132/148	91			269/345	313/335	AT105/ATE125

注：球阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造。
 注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）。
 注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同、相关尺寸随之变化。
 注：以上执行器配置及数据均采用软密封（F、N、P）阀门，硬密封阀门的配置及数据请咨询本公司。
 Note:The strctural length and connecting flange size of ball valve series can be designed and manufactured as per JB/T97 standard or user'requirements.
 Note:Data XXX/XXX represent respectively the double-acting/single-acting type(spring reposition) of pneumatic actuator.
 Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
 Note:The above actuator configuration and data all use soft-sealed valve(F,N,P)and hard-sealed valves,or consulting us if you have more questions.

技术规范 Technique norm

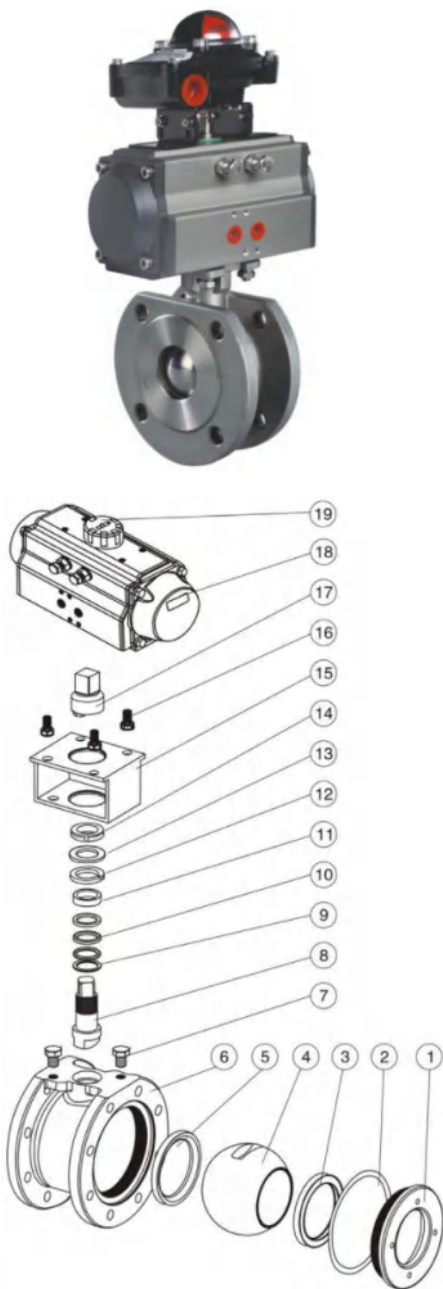
设计依据 Design Basis		GB标准 Standard
设计标准 Design standard		GB/12237
结构长度 Face to face dimension	法兰连接 Flange connecting	OVQB 标准 Standard of OVQB
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79
试验和检验 Test & inspection		JB/T9092

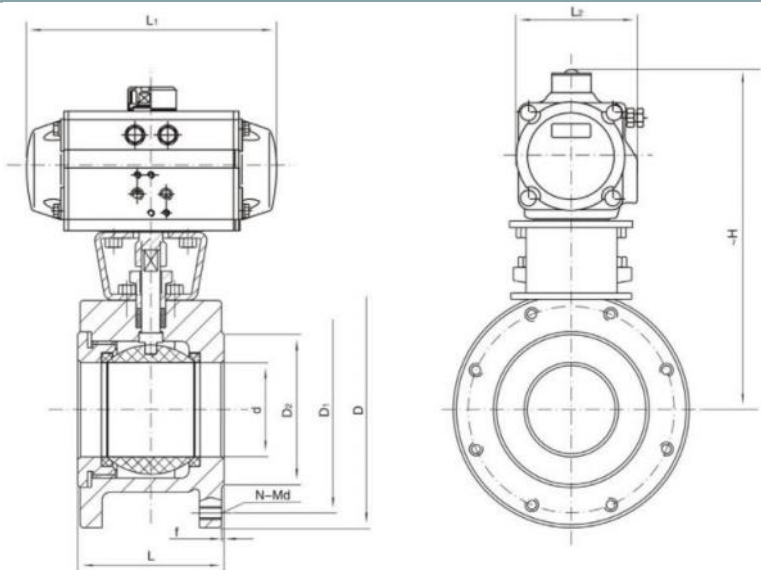
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	阀盖 Bonnet	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	垫片 Gasket	PTFE、对位聚苯(PPL)		
3	阀座 Seat	PTFE、尼龙(N)、对位聚苯(PPL)		
4	球体 Ball	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
5	阀座 Seat	PTFE、尼龙(N)、对位聚苯(PPL)		
6	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
7	螺栓 Stud	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
9	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	填料 Packing	PTFE	PTFE	PTFE
11	衬套 Bushing	PTFE复合轴承 Composite bearings		
12	弹簧 Spring	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
13	垫片 Gasket	35	1Cr18Ni9Ti	1Cr18Ni9Ti
14	螺母 Nut	35	1Cr18Ni9Ti	1Cr18Ni9Ti
15	连接支架 Connecting Yoke	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti
16	螺栓 Screw	35	1Cr18Ni9Ti	1Cr18Ni9Ti
17	连接套 Connecting Set	35	1Cr18Ni9Ti	1Cr18Ni9Ti
18	气动装置 Pneumatic Device	GT系列、AT系列 GT Series,AT Series		
19	位置指示器 Location Indicator	塑料Plastic		

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements





主要外形及连接法兰尺寸Q672F(N、P)-PN16(1.6Mpa)/PN25(2.5Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接法兰尺寸 Connecting Flange Size						执行器型号 Actuator Model
	d	L	L1	L2	~H	D	D1	D2	B	f	N-Md	
15	15	32	141/159	71/83	177/208	95	65	46	14	2	4-M12	AT52/ATE65
20	20	38.5	141/159	71/83	182/213	105	75	56	14	2	4-M12	AT52/ATE65
25	25	45	141/211	71/95	187/230	115	85	65	16	2	4-M12	AT65/ATE83
32	29	55	159/211	83/95	223/243	140	100	76	16	3	4-M16	AT65/ATE105
40	38	62	211/248	95/107	231/261	150	110	84	18	3	4-M16	AT83/ATE105
50	46	72	248/269	107/123	258/293	165	125	99	20	3	4-M16	AT83/ATE105
65	62	95	248/315	107/141	273/298	185	145	118	22	3	4-M16	AT105/ATE125
80	76	120	269/345	123/152	303/325	200	160	132	24	3	8-M16	AT105/ATE125
100	92	145	345/409	152/172	333/390	220	180	156	24	3	8-M16	AT125/ATE160
125	110	200	409/438	172/187	380/468	250	210	184	26	3	8-M16	AT160/ATE190
150	145	225	438/550	187/215	432/520	285	240	211	26	3	8-M20	AT190/ATE210

注：连接法兰尺寸可根据ASNI、JIS标准或用户要求设计制造
注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）
注：根据不同的阀门扭矩、使用介质选配的执行器型号可能有所不同，其相关尺寸随之变化
Note:The connecting flange size can be designed and manufactured in accordance with ANSI or JIS standard or requested by users
Note:Date XXX/XXXrepresent double-acting /single-acting type(spring reposition)of pneumatic actuator
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model

技术规范 Technique norm

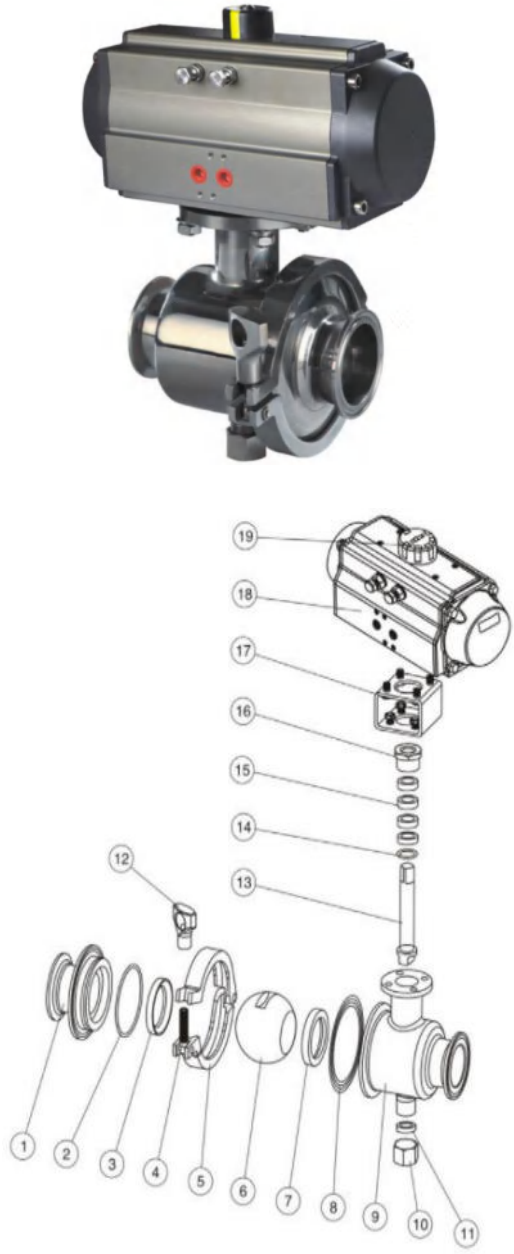
设计依据 Design Basis	GB标准 Standard
设计标准 Design standard	GB/12237
试验和检验 Test & inspection	JB/T9092

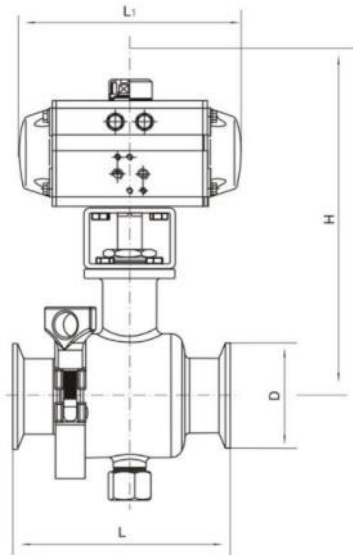
注：球阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of ball valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No	零件名称 Name of parts	材质 Material	
		P	R
1	左阀体 Left valve	304	316
2	O形圈 "O" Ring	食品级橡胶 Food Ethylene rubber	食品级橡胶 Food Ethylene rubber
3	阀座 Seat	PTFE	PTFE
4	吊环螺栓 Lifting Ring Bolt	304	316
5	卡箍 Buckle	304	316
6	球体 Ball	304	316
7	阀座 Seat	PTFE	PTFE
8	垫片 Gasket	食品级橡胶 Food Ethylene rubber	食品级橡胶 Food Ethylene rubber
9	阀体 Body	304	316
10	螺母 Nut	304	316
11	垫片 Gasket	PTFE	PTFE
12	蝶形螺母 Butterfly Nut	304	316
13	阀杆 Stem	304	316
14	垫圈 Washer	304	316
15	填料 Packing	PTFE	PTFE
16	压盖 Gland	304	316
17	支架 Yoke	304	304
18	气动执行器 Pneumatic Actuator	GT系列、AT系列 GT Series,AT Series	
19	指示器 Indicator	塑料Plastic	

注：球阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The structural length and connecting flage sizel of ball valve series can be designed and manufactured as per uses'requirements





主要外形及连接法兰尺寸WQ681F-PN16(1.6Mpa) Main Outline and Connecting Flange Size

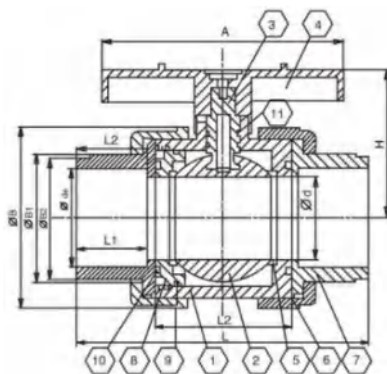
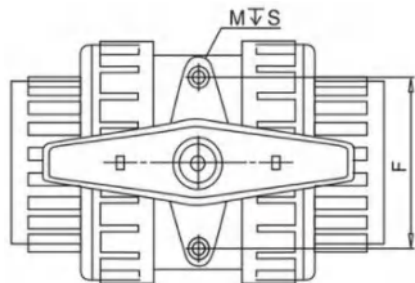
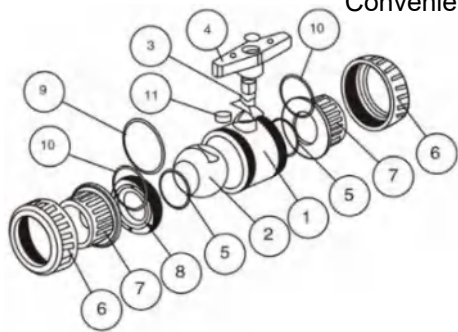
公称通径 ISO规格 mm	Nominal size in	外形连接尺寸 Connecting Flange Size				执行器型号 Actuator Model
		D	L	L1	-H	
20	1/2	50.5	95	141/159	172	AT52/ATE65
25	3/4	50.5	120	141/159	190	AT52/ATE65
32	1	50.5	130	159/211	199	AT65/ATE83
38	1 1/4	50.5	140	159/211	212	AT65/ATE105
51	1 1/2	64	170	211/248	226	AT83/ATE105
63	2	77.5	190	248/269	257	AT83/ATE105
76	2 1/2	91	210	248/269	279	AT105/ATE125
89	3	106	220	269/315	321	AT105/ATE125
102	4	119	240	315/409	355	AT125/ATE160

注：根据不同阀门扭矩、使用介质适配或单作用式的执行器型号可能有所不同，相关尺寸随之变化
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model



超低扭矩 美观 高强度 耐腐蚀 长寿命
Ultra low torque beautiful high strength and corrosion resistant of long-lived

全流量, PTFE球密封, 低扭矩, 可使用手柄调节阀座松紧松开由令, 中部仍是完整阀门, 可更换提供附带平台预埋铜质螺母产品, 方便加装自动执行器
Full flow, PTFE ball sealing, low torque. Can use the handle regulating valve seat tightness. Released by the central section is still intact, valve, replaceable. To provide supplementary platform embedded copper nut products. Convenient automatic actuator.



规格Specifications	DN150-DN100 (1/2"-4")
工作压力 Working pressure	10kg/cm2
材质Texture of material	PVC、CPVC、PPG/FRPP、PPH
标准Standard	国际 GB 德标 DIN 美标 ANSI 日标 JIS 台湾地区 CNS PT NPT

NO.	PART	MATERLAL	Q/TY
1	BODY 阀体	PVC/CPVC/PPG/PPHABS	1
2	BALL 球体	PVC/CPVC/PPG/PPHABS	1
3	STEM 阀杆	PVC/CPVC/PPG/PPHABS	1
4	HANDLE 手柄	ABS	1
5	SEATSEAL 球密封	PTFE	2
6	UNION NUT 锁母	PVC/CPVC/PPG/PPH/ABS	2
7	ENDCONNECTOR 接管	PVC/CPVC/PPG/PPH/ABS	2
8	SEAL CARRIER 密封支架	PVC/CPVC/PPG/PPH/ABS	1
9	O-RING O 型环	EPDM/PPM	1
10	O-RING O 型环	EPDM/PPM	2
11	O-RING O 型环	EPDM/PPM	2

"	DN	d	NID/de	L1	L2	L	H	A	B	B1	B2	MXS	F
1/2"	15	15	20	21	47	99	50	72	54	34	32	3X7	30
3/4"	20	20	25	25	54	117	61	78	62	40	37	6X8	33
1"	25	25	32	29	62	132	68	85	72	47	45	6X11	40
1-1/4"	32	30	40	29	69	142	80	88	84	57	55	8X11	47
1-1/2"	40	38	50	31	80	158	89	108	95	64	61	8X11	52
2"	50	48	63	38	85	176	103	133	116	77	75	8X15	70
2-1/2"	65	65	75	58	124	256	128	220	147	97	90	10X15	95
3"	80	76	90	64	124	266	135	220	164	116	112	10X15	120
4"	100	100	100	90	139	337	163	250	204	137	131	12X20	150

气动软密封中线蝶阀

型号: D67(4)1X(F, F4, J)
口径: DN50~1200mm
压力: 0.6、1.0、1.6、2.5MPa; 150Lb, 300Lb
连接方式: 对夹式连接、法兰式连接
尺寸标准: 国标、美标
阀体材质: 铸铁、碳钢(WCB)、不锈钢(CF8, CF8M)
阀座材料: 橡胶(X)、聚四氟乙烯(F)
作用方式: 双作用、单作用(弹簧复位)
控制方式: 开关型、调节型
附件选择: 电磁阀、定位器、限位开关
气源处理三联件、手动机构

Pneumatic Air soft seal butterfly valve
Model: D67(4)1X(F,F4,J)
Bore: DN40-1200MM
Pressure: 0.6, 1.6, 2.5, 4.0Mpa; 150Lb, 300 Lb
Connecting type: wafer type connecting, Flanged connecting
Dimension standard: GB, American Standard
Body material: Cast iron, Carbon steel (WCB),
Stainless steel (CF8, CF8M)
Seat material: X, PTFE
Mode of action: the double-acting/
single-acting type(spring reposition) of pneumatic actuator
Control: Switch type, Adjust type
Selection of Accessories: solenoid valve,
Locator, Limit switch,
F.R.L. COMBINATION UNIT, Manual Device.





技术规范 Technique norm

设计依据 Design Basis		GB标准 Standard
设计标准 Design standard		GB/12238
结构长度 Face to face dimension	对夹连接 Wafer connecting	GB/12221
连接法兰尺寸 Connecting Flange Size		GB/12221
试验和检验 Test & inspection		JB/T9092

注：蝶阀结构长度及连接法兰尺寸可根据用户要求设计制造

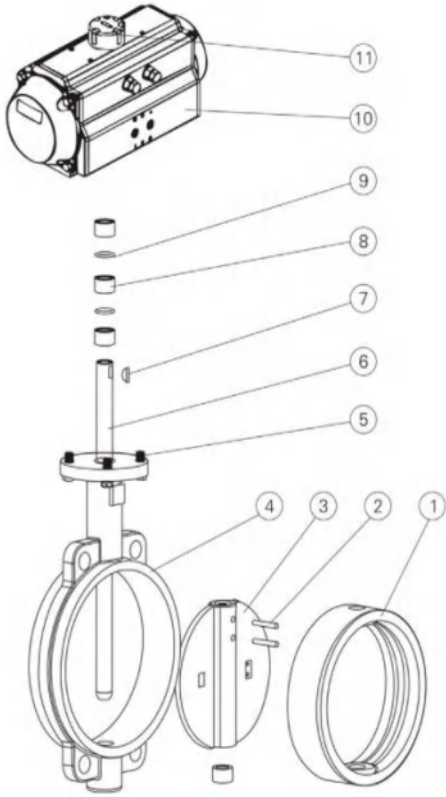
Note:The structural length and connecting flange size of butterfly valve series can be designed and manufactured as per users' requirements.

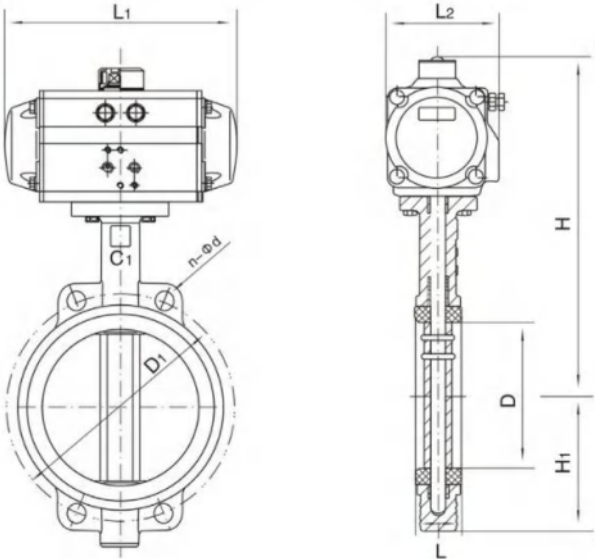
主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		Z	C	P
1	阀座 Seat	橡胶、四氟 Rubber、PTFE		
2	圆锥销 Taper Pin	45钢 45 Steel	45钢 45 Steel	不锈钢 Stainless Steel
3	蝶板 Butterfly Plate	球墨铸铁镀硬铬 Ductile Iron-iron Hard Chrome Plating	碳钢或不锈钢 Simple Steel or Stainless Steel	不锈钢 Stainless Steel
4	阀体 Body	灰铸铁 Grey Cast Iron	碳钢 Carbon Steel	不锈钢 Stainless Steel
5	螺栓 Screw	35钢 35 Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
6	阀杆 Stem	45钢 45 Steel	不锈钢 Stainless Steel	不锈钢 Stainless Steel
7	键 Key	45钢 45 Steel	45钢 45 Steel	不锈钢 Stainless Steel
8	衬套 Bushing	铜基粉末冶金 Copper Base Powder Metallurgy	铜基粉末冶金 Copper Base Powder Metallurgy	铜基粉末冶金 Copper Base Powder Metallurgy
9	O形圈 "O" Ring	橡胶Rubber、氟橡胶Viton		
10	气动装置 Pneumatic Device	GT系列、AT系列、AW系列 GT Series,AT Series,AW Series		
11	位置指示器 Location Indicator	塑料Plastic		

注：蝶阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用

Note:The main spare parts and sealing ring material of butterfly valve can be designed for you options according to real working conditions or users'special requirements.





主要外形及连接法兰尺寸D671X(F、F4、J)-PN6.0/10(0.6、10Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size			执行器型号 Actuator Model
	L	L1	L2	~H	H1	D	D1	n-Φd	
50	42	141/159	71/83	269/281	68	52.9	120	4-23	AT52/ATE65
65	44.7	159/211	83/95	283/303	75	64.5	136.2	4-26.5	AT65/ATE83
80	45.2	159/248	83/107	289/309	93	78.8	160	8-18	AT83/ATE105
100	52.1	211/269	95/123	320/338	104	10.4	185	4-24.5	AT83/ATE105
125	54.4	248/269	107/123	351/366	118	123.3	215	4-23	AT90/ATE105
150	55.8	269/345	123/152	380/405	133	155.6	238	4-25	AT105/ATE140
200	60.6	345/409	152/172	435/477	165	202.5	295	4-25	AT125/ATE160
250	65.6	409/438	172/187	509/552	197	250.5	357	4-29	AT140/ATE160
300	76.5	438/550	187/215	597/622	224	301.6	407	4-29	AT160/ATE190
350	76.5	550/600	215/240	653/688	267	333.3	467	4-30	AT190/ATE210
400	86.5	550/633	215/262	720/787	309	389.6	515	4-30	AT210/ATE240
450	105.6	600/633	240/262	772/858	328	440.51	565	4-30	AT240/ATE270
500	131.8	633/730	262/330	867/1004	361	491.5	620	4-33	AT270/AW20S
600	152	730/1700	330/-	998/1220	459	592.5	725	4-36	AW20/AW25S
700	163	1320/1970	-/-	1116/1282	520	695	840	4-36	AW25/AW28S
800	188	1430/2700	-/-	1330/1007	591	794.7	950	4-39	AW28/AW35S

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）
根据不同阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:Date XXX/XXXrepresent respectively double-acting/single-acting type(spring reposition).
The relative sizes are subject to change responding to different valve torques,mediums and actuator models.

气动对夹式三偏心蝶阀

型号: D673H(F, Y)
口径: DN40-1200mm
压力: 0.6、1.0、1.6、2.5、4.0MPa; 150Lb、300Lb
尺寸标准: 国标、美标
连接方式: 对夹式连接
阀体材质: 碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)
阀座材料: 金属密封(H、Y)、聚四氟乙烯(F)
作用方式: 双作用、单作用(弹簧复位)
控制方式: 开关型、调节型
附件选择: 电磁阀、定位器、限位开关
气源处理三联件、手动机构

Pneumatic wafer type three-eccentric center butterfly valve
Model: D673H (F, Y)
Bore: DN40-1200MM
Pressure: 0.6, 1.6, 2.5, 4.0Mpa; 150Lb, 300 Lb
Dimension standard: GB, American Standard
Connecting type: wafer type connecting
Body material: Carbon steel (WCB),
Stainless steel (CF8, CF8M, CF3, CF3M)
Seat material: H, Y, PTFE
Mode of action: the double-acting/
single-acting type (spring reposition)
of pneumatic actuator
Control: Switch type, Adjust type
Selection of Accessories: solenoid valve, Locator,
Limit switch,
F.R.L. COMBINATION UNIT, Manual Device.





技术规范 Technique norm

设计依据 Design Basis		GB标准 Standard	ANSI标准 Standard
设计标准 Design standard		GB/12238	API609
结构长度 Face to face dimension	对夹连接 Wafer connecting	GB/12221	ANSI B16.10
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79	ANSI B16.5(2~24") ANSI B16.47(26~32")
试验和检验 Test & inspection		JB/T9092	API 598

注：蝶阀结构长度及连接法兰尺寸可根据用户要求设计制造

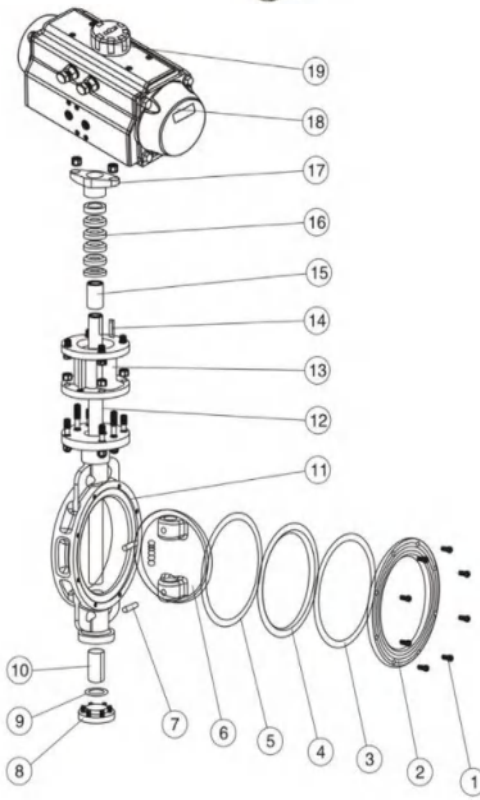
Note: The structural length and connecting flange size of butterfly valve series can be designed and manufactured as per users' requirements.

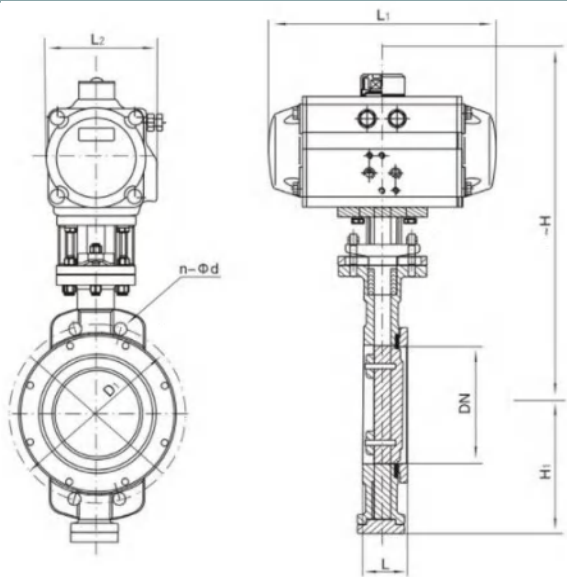
主要零件材质表 Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	内六角螺钉 Inner Hexagon Screw	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
2	阀盖 Bonnet	WCB	1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
3	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀座 Seat	不锈钢+柔性石墨、PTFE Stainless Steel+Graphite、PTFE		
5	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	蝶板 Butterfly Plate	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
7	圆柱销 Straight Pin	45	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	下盖 Bottom Cover	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
9	垫片 Gasket	不锈钢+柔性石墨、PTFE Stainless Steel+Graphite、PTFE		
10	衬套 Bushing	PTFE复合轴承 PTFE Composite Bearings		
11	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
12	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
13	支架 Yoke	WCB	WCB	WCB
14	键 Key	45	45	45
15	衬套 Bushing	PTFE复合轴承 PTFE Composite Bearings		
16	填料 Packing	柔性石墨、PTFE Graphite、PTFE		
17	压盖 Gland	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
18	气动执行器 Pneumatic Actuator	GT系列、AT系列、AW系列 GT Series, AT Series, AW Series		
19	位置指示器 Location Indicator	塑料 Plastic		

注：蝶阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用

Note: The main spare parts and sealing ring material of butterfly valve can be designed for you options according to real working conditions or users' special requirements.





主要外形及连接法兰尺寸D673H(F、Y)-PN16(1.6Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size		执行器型号 Actuator Model
	L	L1	L2	-H	H1	D1	n-Φd	
50	43	159/211	83/95	277/205	65	125	4-Φ18	AT65/ATE83
65	46	211/248	95/107	287/315	75	145	4-Φ18	AT75/ATE83
80	46	248/269	107/123	365/375	85	160	8-Φ18	AT83/ATE105
100	52	269/315	123/141	420/436	130	180	8-Φ18	AT105/ATE125
125	56	315/345	141/152	436/462	175	210	8-Φ18	AT125/ATE140
150	56	345/409	152/172	466/543	190	240	8-Φ22	AT140/ATE160
200	60	409/438	172/187	593/665	215	295	12-Φ22	AT160/ATE190
250	68	438/559	187/215	682/752	265	355	12-Φ26	AT190/ATE210
300	78	550/600	215/240	725/772	305	410	12-Φ26	AT190/ATE210
350	78	600/633	240/262	832/880	340	470	16-Φ26	AT210/ATE240
400	102	633/730	262/330	862/968	360	525	16-Φ30	AT240/ATE270
450	114	633	262	945/1005	400	585	20-Φ30	AT270/AW20S
500	127	730	300	1058/1060	430	650	20-Φ33	AW20/AW25S
600	154	1320/1970	440/480	1108/1195	190	770	20-Φ36	AW25/AW35S
700	165	1430/2700	480/560	1170/1255	555	840	24-Φ36	AW28/AW35S
800	190	1430/2700	480/560	1325/1365	620	950	24-Φ39	AW28/AW35S

注:蝶阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造
注: 执行器型号XXX/XXX分别是气动执行器双作用式/单作用式(弹簧复位)
注: 根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同, 相关尺寸随之变化
注: 以上执行器配置及数据均采用软密封(F)阀门, 硬密封阀门的配置及数据请咨询本公司
Note:The strctrual length and connecting flange size of butterfly valve series can be designed and manufactured as per JB/T79 standard or users' requirements.
Note:Date XXX/XXX represent respectively the double-acting type(spring reposition)of pneumatic actuator
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves (F),and hard-sealed valves,or consulting us if you have more questions.

主要外形及连接法兰尺寸D673H(F、Y)-PN25(2.5Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size		执行器型号 Actuator Model
	L	L ₁	L ₂	~H	H ₁	D ₁	n-Φd	
50	43	159/211	83/95	277/305	65	125	4-Φ18	AT65/ATE83
65	46	211/248	95/107	287/325	75	145	8-Φ18	AT75/ATE83
80	46	248/269	107/123	365/391	85	160	8-Φ18	AT83/ATE105
100	52	269/315	123/141	420/457	130	190	8-Φ22	AT105/ATE125
125	56	315/345	141/152	436/462	175	220	8-Φ26	AT125/ATE140
150	56	409/438	172/187	466/543	190	250	8-Φ26	AT140/ATE160
200	60	438/550	187/215	593/665	215	310	12-Φ26	AT160/ATE190
250	68	550/600	215/240	682/752	265	370	12-Φ30	AT190/ATE210
300	78	600/633	240/262	402/820	305	430	16-Φ30	AT190/ATE210
350	78	633/730	262/330	832/938	340	490	16-Φ33	AT210/ATE240
400	102	633/1700	262/440	910/968	360	550	16-Φ36	AT240/ATE270
450	114	730/1970	330/480	1005/1010	400	600	20-Φ36	AT270/AW20S
500	127	1180/1700	365/440	1058/1065	430	660	20-Φ36	AW20/AW25S
600	154	1700/1970	440/480	1110/1195	490	770	20-Φ39	AW25/AW35S
700	165	1320/2700	480/560	1255/1295	555	875	24-Φ42	AW28/AW35S
800	190	1950/2700	560/580	1325/1365	620	990	24-Φ48	AW28/AW35S

主要外形及连接法兰尺寸D673H(F、Y)-PN40(4.0Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size		执行器型号 Actuator Model
	L	L ₁	L ₂	~H	H ₁	D ₁	n-Φd	
50	43	211/248	95/107	277/305	65	125	4-Φ18	AT75/ATE83
65	46	248/269	107/123	310/341	75	145	8-Φ18	AT83/ATE105
80	46	269/315	123/141	375/412	85	160	8-Φ18	AT105/ATE125
100	52	315/345	141/152	436/462	130	190	8-Φ22	AT125/ATE140
125	56	345/438	152/187	462/513	175	220	8-Φ26	AT140/ATE160
150	56	438/600	187/240	543/615	190	250	8-Φ26	AT160/ATE190
200	60	550/633	215/240	665/760	215	320	12-Φ30	AT190/ATE210
250	68	600/633	240/262	752/858	265	385	12-Φ33	AT190/ATE210
300	78	633/730	262/330	820/880	305	450	16-Φ33	AT210/ATE240
350	78	730/1700	330/440	938/940	340	510	16-Φ36	AT240/ATE270
400	102	1180/1700	325/440	970/1055	360	585	16-Φ39	AT270/AW20S
450	114	1180/1700	325/440	1005/1090	400	610	20-Φ39	AW20/AW25S
500	127	1320/1970	440/480	1145/1185	430	670	20-Φ42	AW25/AW35S
600	154	1430/2700	480/560	1195/1235	490	795	20-Φ48	AW35/AW40S

注:蝶阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造
 注: 执行器型号XXX/XXX分别是气动执行器双作用式/单作用式(弹簧复位)
 注: 根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同, 相关尺寸随之变化
 注: 以上执行器配置及数据均采用软密封(F)阀门, 硬密封阀门的配置及数据请咨询本公司
 Note:The strctrual length and connecting flange size of butterfly valve series can be designed and manufactured as per JB/T79 standard or users' requirements.
 Note:Date XXX/XXX represent respectively the double-acting type(spring reposition)of pneumatic actuator
 Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
 Note:The above actuator configuration and data all use soft-sealed valves (F),and hard-sealed valves,or consulting us if you have more questions.

气动法兰式三偏心蝶阀

型号: D643H(F, Y)
 口径: DN50~1200mm
 压力: 0.6、1.0、1.6、2.5、4.0MPa; 150Lb、300Lb
 尺寸标准: 国标、美标
 连接方式: 法兰式连接
 阀体材质: 碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)
 阀座材料: 金属密封(H、Y)、聚四氟乙烯(F)
 作用方式: 双作用、单作用(弹簧复位)
 控制方式: 开关型、调节型
 附件选择: 电磁阀、定位器、限位开关
 气源处理三联件、手轮机构

Pneumatic Flange Type Three-eccentric Center Butterfly Valve
 Model: D643H(F, Y).
 Bore: DN50~1200mm
 Pressure: 0.6, 1.0, 1.6, 2.5, 4.0MPa; 150Lb, 300Lb
 Dimension Standard: Chinese Standard, ANSI
 Type of Connection: Flange Type Connection
 Body Material: Carbon Steel(WCB),
 Stainless Steel(CF8, CF8M, CF3, CF3M)
 Seat Material: Metal Sealed(H, Y), PTFE(F)
 Mode of Action: Double-acting,
 Single-acting(Spring Return)
 Mode of Control: Switch Type, Adjust Type
 Annex Choice: Solenoid Valve, Locator,
 Limit Switch, F.R.L. Combination Unit,
 Manual Organization





技术规范 Technique norm

设计依据 Design Basis		GB标准 Standard	ANSI标准 Standard
设计标准 Design standard		GB/12238	API609
结构长度 Face to face dimension	法兰 连接 Flange connecting	GB/12221	ANSI B16.10
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79	ANSI B16.5(2~24") ANSI B16.47(26~32")
试验和检验 Test & inspection		JB/T9092	API 598

注：蝶阀结构长度及连接法兰尺寸可根据用户要求设计制造

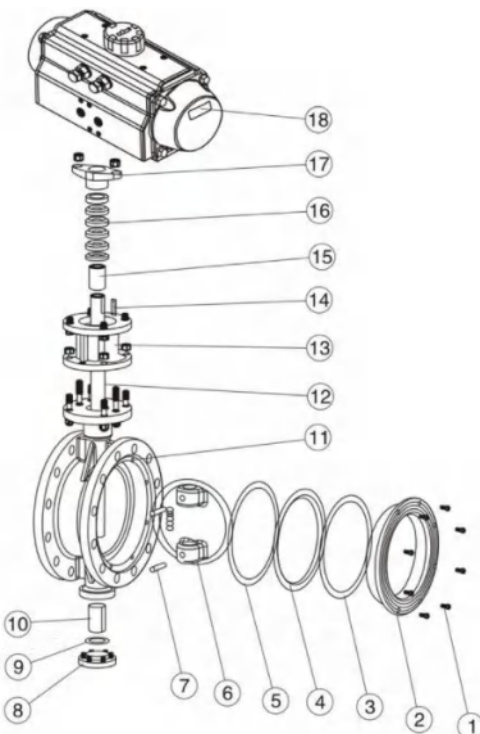
Note: The structural length and connecting flange size of butterfly valve series can be designed and manufactured as per users' requirements.

主要零件材质表 Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	内六角螺钉 Inner Hexagon Screw	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
2	阀盖 Bonnet	WCB	1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
3	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀座 Seat	不锈钢+柔性石墨、PTFE Stainless Steel+Graphite、PTFE		
5	垫片 Gasket	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	蝶板 Butterfly Plate	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
7	圆柱销 Straight Pin	45	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	下盖 Bottom Cover	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
9	垫片 Gasket	不锈钢+柔性石墨、PTFE Stainless Steel+Graphite、PTFE		
10	衬套 Bushing	PTFE复合轴承 PTFE Composite Bearings		
11	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
12	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
13	支架 Yoke	WCB	WCB	WCB
14	键 Key	45	45	45
15	衬套 Bushing	PTFE复合轴承 PTFE Composite Bearings		
16	填料 Packing	柔性石墨、PTFE Graphite、PTFE		
17	压盖 Gland	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
18	气动执行器 Pneumatic Actuator	GT系列、AT系列、AW系列 GT Series, AT Series, AW Series		

注：蝶阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用

Note: The main spare parts and sealing ring material of butterfly valve can be designed for you options according to real working conditions or users' special requirements.



主要外形及连接法兰尺寸D673H(F、Y)-PN25(2.5Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size					执行器型号 Actuator Model
	L	L ₁	L ₂	~H	H ₁	D	D ₁	D ₂	f	n-Φd	
50	108	159/211	83/95	277/305	65	165	125	99	3	4-Φ18	AT65/ATE83
65	112	211/248	95/107	287/325	75	185	145	118	3	8-Φ18	AT75/ATE83
80	114	248/269	107/123	365/391	85	200	160	132	3	8-Φ18	AT83/ATE105
100	127	269/315	123/141	420/457	130	235	190	156	3	8-Φ22	AT105/ATE125
125	140	315/345	141/152	436/462	175	270	220	184	3	8-Φ26	AT125/ATE140
150	140	409/438	172/187	466/543	190	300	250	211	3	8-Φ26	AT140/ATE160
200	152	438/550	187/215	593/665	215	360	310	274	3	12-Φ26	AT160/ATE190
250	165	550/600	215/240	682/752	265	425	370	330	3	12-Φ30	AT190/ATE210
300	178	600/633	240/262	702/820	305	485	430	389	4	16-Φ30	AT190/ATE210
350	190	633/730	262/330	832/938	340	555	490	448	4	16-Φ33	AT210/ATE240
400	216	633/1700	262/440	910/968	360	620	550	503	4	16-Φ36	AT240/ATE270
450	222	730/1700	330/440	1005/1010	400	670	600	548	4	20-Φ36	AT270/AW20S
500	229	730/1700	330/440	1058/1065	430	730	660	609	4	20-Φ36	AW20/AW25S
600	267	1320/1970	440/480	1110/1195	490	845	770	720	4	20-Φ39	AW25/AW35S
700	292	1430/2700	480/560	1255/1295	555	960	875	820	5	24-Φ42	AW28/AW35S
800	318	1950/2700	260/580	1325/1365	620	1085	990	928	5	24-Φ48	AW28/AW35S

主要外形及连接法兰尺寸D673H(F、Y)-PN40(4.0Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size						执行器型号 Actuator Model
	L	L ₁	L ₂	~H	H ₁	D	D ₁	D ₂	f	D ₃ x X	n-Φd	
50	108	211/248	95/107	277/305	65	165	125	99	3	88 4	4-Φ18	AT75/ATE83
65	112	248/269	107/123	310/341	75	185	145	118	3	110 4	8-Φ18	AT83/ATE105
80	114	269/315	123/141	375/412	85	200	160	132	3	121 4	8-Φ18	AT105/ATE125
100	127	315/345	141/152	436/462	130	235	190	156	3	150 4.5	8-Φ22	AT125/ATE140
125	140	345/438	152/187	462/513	175	270	220	184	3	176 4.5	8-Φ26	AT140/ATE160
150	140	438/550	187/240	543/615	190	300	250	211	3	204 4.5	8-Φ26	AT160/ATE190
200	152	550/600	215/262	665/760	215	375	320	284	3	260 4.5	12-Φ30	AT190/ATE210
250	165	600/633	240/262	752/858	265	450	385	315	3	313 4.5	12-Φ33	AT190/ATE210
300	178	633/730	262/330	820/880	305	515	450	409	4	364 4.5	16-Φ33	AT210/ATE240
350	190	730/1700	330/440	938/940	340	580	510	465	4	422 5	16-Φ36	AT240/ATE270
400	216	1180/1700	365/440	970/1055	360	660	585	535	4	474 5	16-Φ39	AT270/AW20S
450	222	1180/1970	440/480	1005/1090	400	685	610	560	4	524 5	20-Φ39	AW20/AW25S
500	229	1320/1970	440/480	1145/1185	430	755	670	615	4	576 5	20-Φ42	AW25/AW35S
600	267	1970/2700	480/560	1195/1235	490	890	795	735	5	676 5	20-Φ48	AW35/AW40S

注:蝶阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造
 注: 执行器型号XXX/XXX分别是气动执行器双作用式/单作用式(弹簧复位)
 注: 根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同, 相关尺寸随之变化
 注: 以上执行器配置及数据均采用软密封(F)阀门, 硬密封阀门的配置及数据请咨询本公司
 Note:The strctrual length and connecting flange size of butterfly valve series can be designed and manufactured as per JB/T79 standard or users' requirements.
 Note:Date XXX/XXX represent respectively the double-acting type(spring reposition)of pneumatic actuator
 Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
 Note:The above actuator configuration and data all use soft-sealed valves (F),and hard-sealed valves,or consulting us if you have more questions.

主要外形及连接法兰尺寸D673H(F、Y)-Class150 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting Size					执行器型号 Actuator Model
DN	in	L	L ₁	L ₂	~H	H ₁	D	D ₁	D ₂	f	n-Φd	
50	2	108	159/211	83/95	277/305	65	152	120.5	92	2	4-Φ19	AT65/ATE83
65	2 1/2	112	211/248	95/107	287/325	75	178	139.5	105	2	4-Φ19	AT75/ATE83
80	3	114	248/269	107/123	365/391	85	190	152.5	127	2	4-Φ19	AT83/ATE105
100	4	127	269/315	123/141	420/457	130	229	190.5	157	2	8-Φ19	AT105/ATE125
125	5	140	315/345	141/152	436/462	175	254	216	186	2	8-Φ22	AT125/ATE140
150	6	140	345/409	152/172	466/543	190	279	241.5	216	2	8-Φ22	AT140/ATE160
200	8	152	409/550	172/215	593/665	215	343	298.5	270	2	8-Φ22	AT160/ATE190
250	10	165	438/600	187/240	682/752	265	406	362	324	2	12-Φ25	AT190/ATE210
300	12	178	600/633	240/262	702/820	305	483	432	381	2	12-Φ25	AT190/ATE210
350	14	190	600/633	240/262	832/938	340	533	476	413	2	12-Φ29	AT210/ATE240
400	16	216	633/730	262/330	910/968	360	597	540	470	2	16-Φ29	AT240/ATE270
450	18	222	633/730	262/330	1005/1010	400	635	578	533	2	16-Φ32	AT270/AW20S
500	20	229	730/1700	330/440	1058/1065	430	699	635	584	2	20-Φ32	AW20/AW25S
600	24	267	1180/1700	365/440	1110/1195	490	813	749.5	682	2	20-Φ35	AW25/AW35S
700	28	292	1320/1970	440/480	1255/1295	555	947	863.6	800	2	28-Φ35	AW28/AW35S
800	32	318	1430/2700	480/560	1325/1365	620	1060	978	914	2	28-Φ41	AW28/AW35S

主要外形及连接法兰尺寸D673H(F、Y)-Class300 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting Size					执行器型号 Actuator Model
DN	in	L	L ₁	L ₂	~H	H ₁	D	D ₁	D ₂	f	n-Φd	
50	2	108	211/248	95/107	277/305	65	165	127	92	2	8-Φ19	AT75/ATE83
65	2 1/2	112	248/269	107/123	310/341	75	190	149	105	2	8-Φ22	AT83/ATE105
80	3	114	269/315	123/141	375/412	85	210	168.5	127	2	8-Φ22	AT105/ATE125
100	4	127	315/345	141/152	436/462	130	254	200	157	2	8-Φ22	AT125/ATE140
125	5	140	345/438	152/187	462/513	175	279	235	186	2	8-Φ22	AT140/ATE160
150	6	140	438/600	187/240	543/615	190	318	270	216	2	12-Φ22	AT160/ATE190
200	8	152	550/600	215/240	665/760	215	381	330	270	2	12-Φ25	AT190/ATE210
250	10	165	600/633	240/262	752/858	265	445	387.5	324	2	16-Φ29	AT190/ATE210
300	12	178	600/730	240/262	820/880	305	521	451	381	2	16-Φ32	AT210/ATE240
350	14	190	633/1700	262/440	938/940	340	584	514.5	413	2	20-Φ32	AT240/ATE270
400	16	216	730/1700	330/440	970/1055	360	648	571.5	470	2	20-Φ35	AT270/AW20S
450	18	222	730/1700	330/440	1005/1090	400	711	628.5	533	2	24-Φ35	AW20/AW25S
500	20	229	1180/1970	365/480	1145/1185	430	775	686	584	2	24-Φ35	AW25/AW35S
600	24	267	1320/1970	440/480	1195/1235	490	914	813	682	2	24-Φ41	AW35/AW40S

注:蝶阀结构长度及连接法兰尺寸可根据JB/T79标准或用户要求设计制造
注:执行器型号XXX/XXX分别是气动执行器双作用式/单作用式(弹簧复位)
注:根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同,相关尺寸随之变化
注:以上执行器配置及数据均采用软密封(F)阀门,硬密封阀门的配置及数据请咨询本公司
Note:The strctrual length and connecting flange size of butterfly valve series can be designed and manufactured as per JB/T79 standard or users' requirements.
Note:Date XXX/XXX represent respectively the double-acting type(spring reposition)of pneumatic actuator
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.
Note:The above actuator configuration and data all use soft-sealed valves (F),and hard-sealed valves,or consulting us if you have more questions.

气动卫生级蝶阀

型号: WD62(6、8、7)1X
口径: DN20~150mm
压力: 0.6、1.0、1.6MPa;
尺寸标准: 国标、ISO
连接方式: 焊接式、对夹式、卡箍式、螺紋式
阀体材质: 不锈钢(304、304L、316、316L)
阀座材料: 橡胶(X)、氟橡胶(F)
作用方式: 双作用、单作用(弹簧复位)
控制方式: 开关型、调节型
附件选择: 电磁阀、定位器、限位开关
气源处理三联件

Pneumatic Sanitary Butterfly Valve
Model: WD62(6,8,7) 1X
Bore: DN20~150mm
Pressure: 0.6, 1.0, 1.6MPa
Dimension Standard: Chinese Standard, ISO
Type of connection: Welding Type, Wafer Type,
Hoop Type, Screw Thread Type
Body Material: Stainless Steel(304, 304L, 316, 316L)
Seat Material: Rubber(X), Viton(F)
Mode of Action: Double-acting,
Single-acting(Spring Return)
Mode of Control: Switch Type, Adjust Type
Annex Choice: Solenoid Valve,
Locator, Limit Switch, F.R.L. Combination Unit,
Manual Organization





WD621X
外螺纹连接
Outside Thread Connection



WD661X
对焊连接
Welding Connection



WD681X
卡箍连接
Hoop Connection



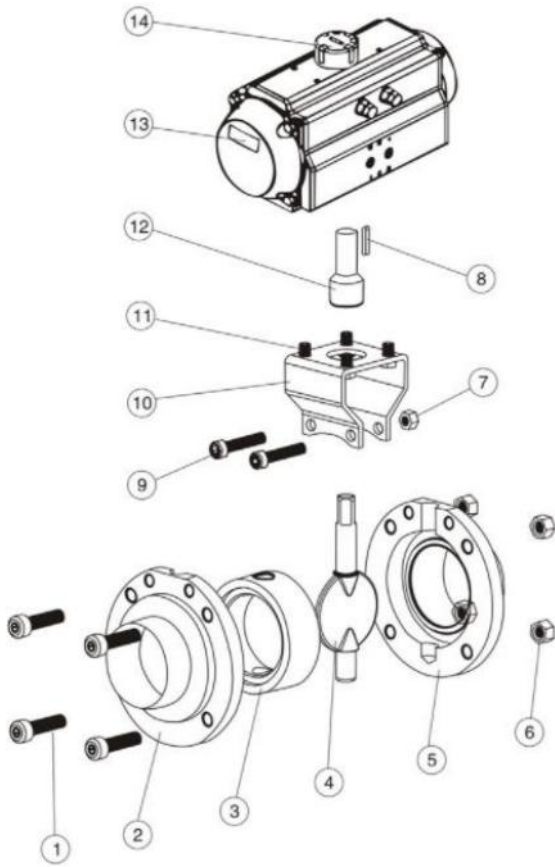
WD676X
三片式焊接
3PC Connection

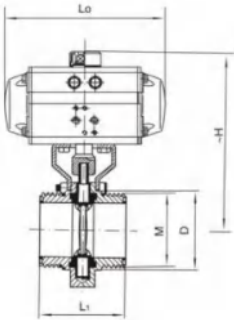
设计依据 Design Basis	GB标准 Standard
设计标准 Design standard	GB/T2238-1989
试验和检验 Test & inspection	JB/T9092

注：蝶阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note:The structural length and connecting flange size of butterfly valve series can be designed and manufactured as per users' requirements.

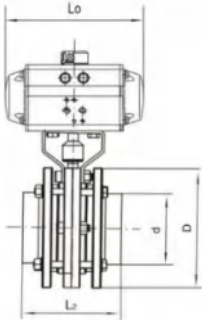
序号 No.	零件名称 Name of parts	材质 Material
1	螺栓 Screw	不锈钢304 Stainless Steel 304
2	左阀体 Left Valve	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
3	阀座 Seat	食品级橡胶 Food grade rubber
4	蝶板 Butterfly Plate	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
5	右阀体 Right Valve	不锈钢304、304L、316、316L Stainless Steel 304、304L、316、316L
6	螺母 Nut	不锈钢304 Stainless Steel 304
7	螺母 Nut	不锈钢304 Stainless Steel 304
8	键 Key	不锈钢304 Stainless Steel 304
9	螺栓 Screw	不锈钢304 Stainless Steel 304
10	连接支架 Connecting Yoke	不锈钢304 Stainless Steel 304
11	螺栓 Screw	不锈钢304 Stainless Steel 304
12	连接套 Connection set	不锈钢304 Stainless Steel 304
13	气动装置 Pneumatic Device	GT系列、AT系列 GT Series,AT Series
14	位置指示器 Location Indicator	塑料Plastic

注：蝶阀主要零部件及密封圈的材质可根据实际工况条件或用户特殊要求设计选用
Note:The main spare parts and sealing ring material of butterfly valve can be designed for you options according to real working conditions or users'special requirements.

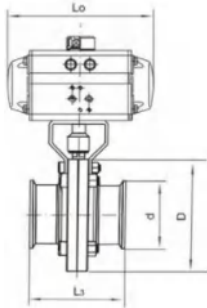




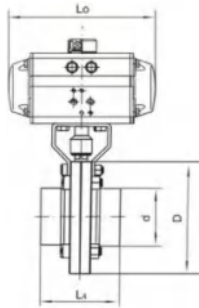
WD621X



WD676X



WD681X



WD661X

外形连接尺寸
Outline Connecting Size

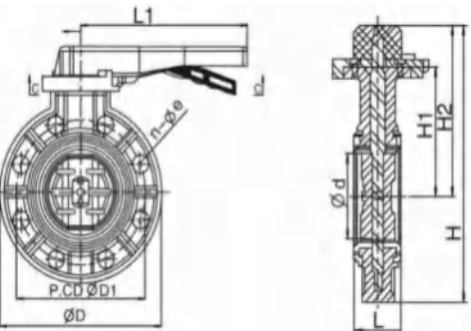
主要外形及连接法兰尺寸WD62(6、8、7)1X-PN10(1.0Mpa) Main Outline and Connecting Flange Size

规格 Norm	WD621X			WD676X			WD681X			WD661X			Lo	-H	执行器型号 Actuator Model
ISO	L1	D	M	L2	D	d	L3	D	d	L4	D	d			
20				100	78	19.05	66	78	50.5	66	78	19.05	141/141	157/557	AT52/ATE65
25	66	78	40x1/6	100	78	25.4	66	78	50.5	66	78	25.4	141/141	157/557	AT52/ATE65
32	66	78	48x1/6	100	78	31.8	66	78	50.5	66	78	31.8	141/141	157/557	AT52/ATE65
38	70	86	60x1/6	100	86	38.1	70	86	50.58	70	86	38.1	141/141	157/557	AT52/ATE65
51	76	102	70x1/6	104	102	50.8	76	102	64	76	102	50.8	141/159	171/180	AT52/ATE65
63	80	115	85x1/6	112	115	63.5	80	115	77.5	80	115	63.5	141/159	169/169	AT65/ATE83
76	84	128	98x1/6	112	128	76.1	84	128	91	84	128	76.1	159/211	194/208	AT65/ATE83
89				120	139	88.9	90	139	106	90	139	88.9	159/248	200/224	AT65/ATE83
102	104	159	132x1/6	128	155	101.6	102	155	119	102	155	101.6	211/248	220/242	AT83/ATE105
108				128	159	108	108	159	119	108	159	108	211/269	223/245	AT83/ATE105

注：执行器型号XXX/XXX分别是气动执行器双作用式/单作用式（弹簧复位）
注：根据不同阀门扭矩、使用介质适配的执行器型号可能有所不同，相关尺寸随之变化
Note:Date XXX/XXX represent respectrly the double-acting/single-acting type(spring reposition)of pneumatic actuator.
Note:The relative sizes are subject to change responding to the difference in valve torque,medium and actuator model.

超低扭矩 美观 高强度 耐腐蚀 长寿命
Ultra low torque beautiful high strength and corrosion resistant of long-lived

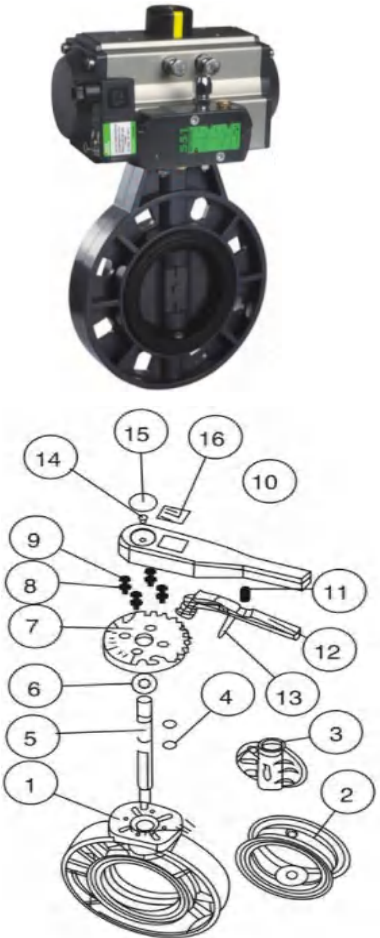
欧洲风格，外露牙盘，定位准确
超宽手柄，手柄与阀杆接处镶嵌金属衬套
三叉副把，坚固耐用
碟板加强筋设计，保证管路系统安全
专利技术阀体与阀座整体镶嵌，保证低扭矩
更换更方便
European style,exposed tooth plate,positioning accuracy.
Ultra wide hanle and the valve rod coupling is inlaid metal bushing.
Tic deputy,sturdy and durable.
The butterfly plate stiffener design of pipeline system, ensure safety.
Patent technology of valve body and the valve seat integral inlaid,ensures.
The replacing more convenient.



规格Specifications	DN50-DN200(2"-8")
工作压力Working pressure	DN50-DN150 10Kg/cm2
	DN200 6Kg/cm2
材质Texture of material	PVC,CPVC,PPG
	FRPP,PPH,PP-R,ABS,PE
标准Standard	国际 GB 德标 DIN 美标 AMSL 日标 JIS
	台湾地区 CNS

NO.	PARTS	MATERIAL	QTY
1	BODY 阀体	PVC,CPVC,PPG,PPH	1
2	SEAT SEAL 阀座	EPDM,FPM	1
3	DISC 阀板	PVC,CPVC,PPG,PPH	1
4	O-RING O型环	EPDM,FPM	2
5	STEM 阀杆	STEEL,304,316	1
6	BEAR 档块	ABS	1
7	PLATE 方位盘	ABS	1
8	SCREW 螺钉	STEEL	4
9	CAP 螺钉护盖	ABS	4
10	HANDLE 手柄	ABS	1
11	SPRING 弹簧	304	1
12	LEVER 副把	ABS	1
13	SET PIN 销钉	STEEL	1
14	BOLT 螺栓	STEEL	1
15	MARK CAP 商标盖	ABS	1
16	LOGO 规格标牌 PLATE	ABS	1

手柄蝶阀尺寸表 Handle butterfly valve size table								
SIAE	"	2"	2 1/2"	3"	4"	5"	6"	8"
	DN	65	65	80	100	125	150	200
P.C. D. ØD 1	ØD	160	180	196	228	258	287	344
	DIN	125	145	160	180	210	240	295
	ANSI	121	140	152	191	216	241	298
	JIS	120	140	150	175	210	240	290
	Ød	48	63	78	98	122	146	199
	L	43	46	49	54	64	70	88
	Ø1	124	124	124	124	170	170	170
	L1	190	190	240	240	310	310	310
	W	55	55	55	55	72	72	72
	H1	100	112	120	140	168	181	215
	H2	143	155	172	194	223	239	280
	H	223	245	270	380	352	382	452
	n-Ø e	DIN	4-19	4-19	8-19	8-19	8-19	8-23
		JNS	4-19	4-19	4-19	8-19	8-19	8-23
		JIS	4-19	4-19	8-19	8-19	8-19	8-23
		PSI	150	150	150	150	150	100
		MPa	1	1	1	1	1	0.6



ABV系列蝶阀是苏州德扬阀门有限公司最新开发的专用于粉体/颗粒物料的工业产品。阀体采用轻巧的高压铸铝合金制成，碟板式内衬有钢芯的耐磨高分子材料，与耐磨橡胶密封圈形成的软密封使其非常适合各种粉体/颗粒物料的应用场合，特别是对于磨损性强的物料。在需要重力落料或气力输送的粉体/颗粒物料处理系统中，ABV蝶阀常常被安装在料斗、筒仓、螺旋输送机出口以及气送管路上。

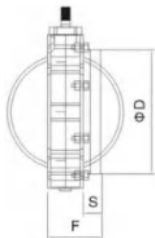
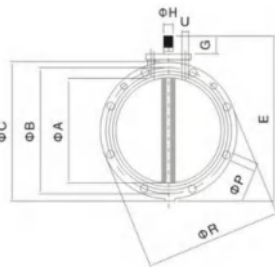
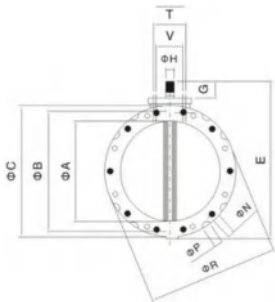
ABV双法兰蝶阀带有2个相同的法兰面。而ABV单法兰蝶阀部配有一个伸出的连接环用以安装软套管。工业化设计加上特殊符合材料的使用，使ABV蝶阀具有结构紧轻巧、碟板耐磨、密封寿命长、安装维护简便等特点，是一种成本-效益极高的粉体阀。

ABV series butterfly valve is DEYO automatic control valves developed specifically for powder/granule material for industrial products. The valve body adopts lightweight high-pressure cast aluminum alloy, the butterfly plate is lined with cored steel wear-resistant polymeric material, and the rubber sealing ring formed of soft sealing make it very suitable for all kinds of powder/particle materials applications, especially for resistance to abrasion of materials. In need of gravity blanking or pneumatic conveying of powder/particle material handling system, ABV butterfly valves are mounted on the hopper, silo, screw conveyor outlet and a pneumatic duct.

ABV double flange butterfly valve with the same 2 flange, and ABV single flange butterfly valve equipped with an extended ring for installation of flexible sleeve. According to the application requirements, can be separately selected drive handle or a cylinder drive kit. Industrial design and special composite materials using ABV, the butterfly valve has the advantages of compact structure, lightweight wear-resistant sealing butterfly plate, long service life, easy installation and maintenance and other characteristics, is a cost-effective high powder valve.

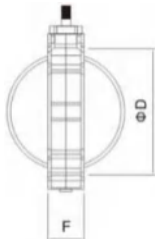
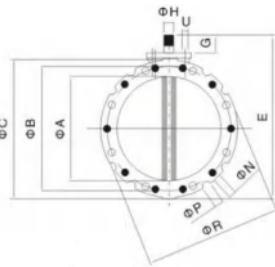
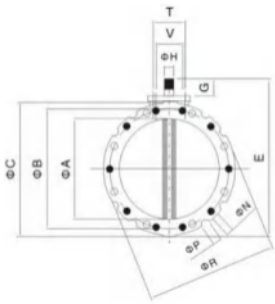


ABV1F 单法兰蝴蝶阀



型号 TYPE	Φ A	Φ B	Φ C	Φ D	E	F	G	Φ H	Φ H 孔径 × 数量	Φ P 外凹槽直 径 × 数量	Φ R	S	T	U	V	Z	KG
ABV1F100	95	180	220	105	250	115	35	22 × 19	14 × 4	20 × 4	220	40	80	M12	50	M10	4
ABV1F150	150	200	228	163	290	115	35	22 × 19	14 × 4	20 × 4	228	40	80	M12	50	M10	5
ABV1F200	200	250	278	213	340	115	35	22 × 19	14 × 4	20 × 4	278	40	80	M12	50	M10	6.5
ABV1F250	250	300	328	263	390	115	35	22 × 19	14 × 8	20 × 8	328	40	80	M12	50	M10	7.5
ABV1F300	300	350	378	313	440	115	35	22 × 19	14 × 8	20 × 16	378	40	80	M12	50	M10	9
ABV1F350	350	400	440	363	530	123	50	28 × 25	14 × 8	20 × 8	440	40	80	M12	50	M10	16
ABV1F400	400	470	530	413	580	123	50	28 × 25	14 × 8	20 × 16	530	40	80	M12	50	M10	20.5

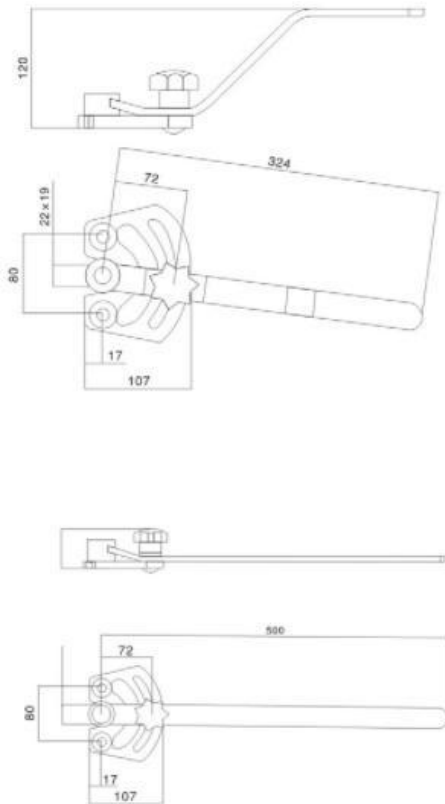
ABV2F 双法兰蝴蝶阀



型号 TYPE	Φ A	Φ B	Φ C	Φ D	E	F	G	Φ H	Φ H 孔径 × 数量	Φ P 外凹槽直 径 × 数量	Φ R	S	T	U	V	Z	KG
ABV2F100	95	180	220	—	250	77	35	22 × 19	14 × 4	220 × 4	220	—	80	M12	50	M10	4
ABV2F150	150	200	228	—	290	77	35	22 × 19	14 × 4	20 × 4	228	—	80	M12	50	M10	5
ABV2F200	200	250	278	—	340	77	35	22 × 19	14 × 4	20 × 4	278	—	80	M12	50	M10	6.5
ABV2F250	250	300	328	—	390	77	35	22 × 19	14 × 8	20 × 8	328	—	80	M12	50	M10	7.5
ABV2F300	300	350	378	—	440	77	35	22 × 19	14 × 8	20 × 16	378	—	80	M12	50	M10	9
ABV2F350	350	400	440	—	530	85	50	28 × 25	14 × 8	20 × 8	440	—	80	M12	—	—	16
ABV2F400	400	470	530	—	580	85	50	28 × 25	14 × 8	20 × 16	530	—	80	M12	—	—	20.5

根据蝶阀的使用要求及工况的不同，我们专门开发了专用的驱动套件，分为手柄驱动及气缸驱动两大类。
According to the butterfly valve and service demand of different working conditions, we developed a specialized special drive kit, divided into a handle driving and cylinder to drive the two categories

驱动手柄 The driving handle



蝶阀型号 Butterfly valve Model	手柄型号 Handle type Model	气缸型号 Cylinder Model
ABVF100 ABVF150 ABVF200 ABVF250 ABVF300	MD4	CP 100
ABVF350 ABVF400	MD2	CP 125

气缸驱动 Cylinder drive



驱动气缸套件所含配件
The driving cylinder kit containing parts

- 驱动气缸 The driving handle
 - CP 100
 - CP 125
- 电磁阀 Solenoid valve
 - EV35S
- 电磁线圈 Electromagnetic coil
 - EMC024DC (直流 24V)
 - EMC11050 (交流 110V)
 - EMC22050 (交流 220V)
- 微型开关盒 Micro-switch box
 - MIC22

气动闸阀

型号: Z641(0)H(Y)

口径: DN50~800mm

压力: 1.0、1.6、2.5、4.0MPa; 150Lb、300Lb

尺寸标准: 国标、美标

阀体材质: 铸铁、碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)

阀座材料: 金属密封(H、Y)

作用方式: 双作用

控制方式: 开关型、调节型

附件选择: 电磁阀、定位器、限位开关

气源处理三联件、手动机构

Pneumatic Gate Valve

Model: Z641(0) H (Y)

Bore: DN50~800mm

Pressure: 1.0, 1.6, 2.5, 4.0MPa; 150Lb, 300Lb

Dimension Standard: Chinese Standard, ANSI

Body Material: Cast Iron, Carbon Steel(WCB),

Stainless Steel(CF8, CF8M, CF3, CF3M)

Seat Material: Metal Sealed(H,Y)

Mode of Action: Double-acting

Mode of Control: Switch Type, Adjust Type

Annex Choice: Solenoid Valve, Locator,

Limit Switch, F.R.L. Combination Unit,

Manual Organization



技术规范 Technique norm

设计依据 Design Basis		GB标准 Standard	ANSI标准 Standard
设计标准 Design standard		GB/12234	ANSI B16.34
结构长度 Face to face dimension	法兰连接 Flange connecting	GB/12221	ANSI B16.10
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79	ANSI B16.5(2~24") ANSI B16.47(28~30")
试验和检验 Test & inspection		JB/T9092	API 598

注：闸阀结构长度及连接法兰尺寸可根据用户要求设计制造

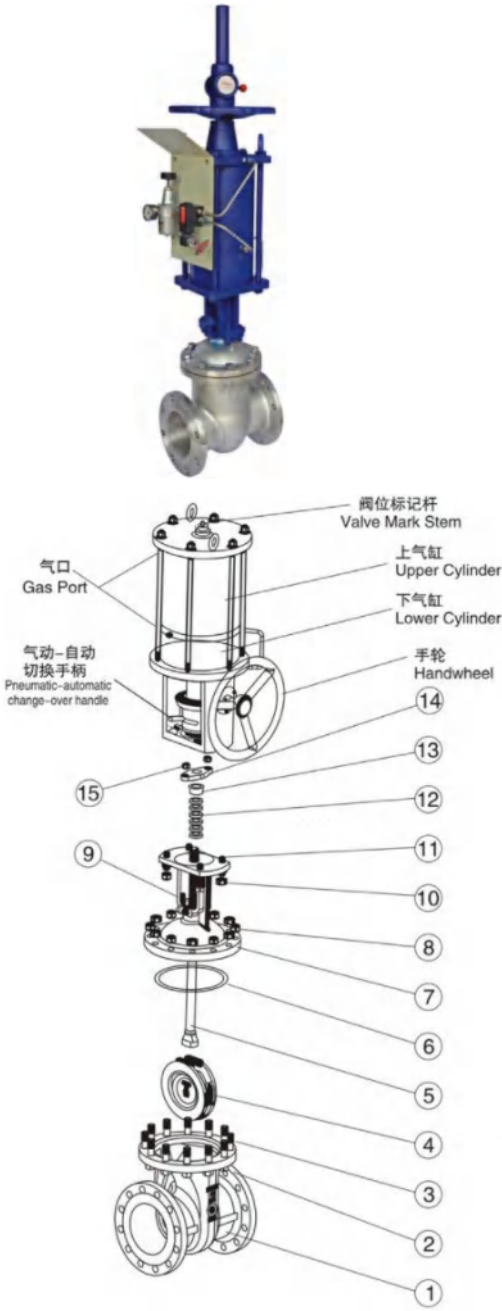
Note: The structural length and connecting flange size of gate valve series can be designed and manufactured as per users' requirements.

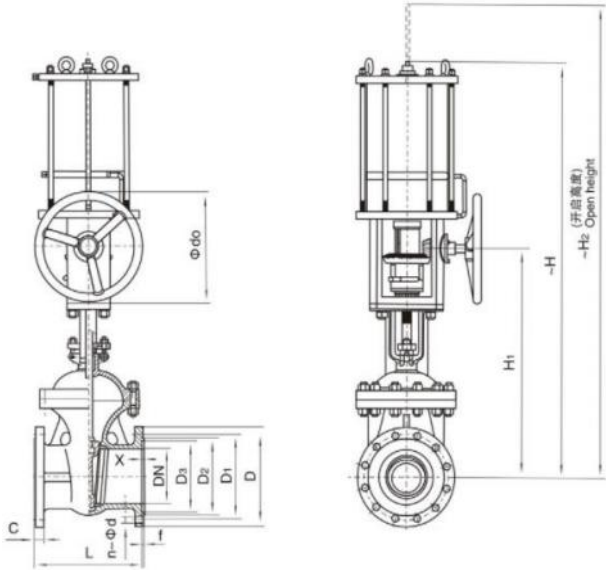
主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	螺帽 Screw Cap	35	304	304
3	螺栓 Screw	35	304	304
4	闸板 Shut-off Device	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
5	阀杆 Stem	1Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	垫片 Gasket	不锈钢+柔性石墨、PTFE Stainless Steel+Graphite、PTFE		
7	阀盖 Cover	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
8	螺帽 Bonnet	35	304	304
9	吊环螺栓 Lifting Ring Screw	35	304	304
10	螺帽 Screw Cap	35	304	304
11	螺栓 Screw	35	304	304
12	填料 Packing	柔 石墨、PTFE Graphite、PTFE		
13	填料压套 Packing Gland	WCB	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
14	填料压板 Packing Plate	WCB	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
15	螺帽 Screw Cap	35	304	304

注：闸阀主要零部件及密封阀座的材质可根据实际工况条件或用户特殊要求设计选用

Note:The main spare parets and sealed seat material of gate valve series can be designed for options as per users' special requirements.





主要外形及连接法兰尺寸Z6S41(0)H(Y)-PN1.6(1.6Mpa) Main Outline and Connecting Flange Size

规格 Norm	WD621X			WD676X			WD681X			WD661X			Lo	-H	执行器型号 Actuator Model
ISO	L1	D	M	L2	D	d	L3	D	d	L4	D	d			
20				100	78	19.05	66	78	50.5	66	78	19.05	141/141	157/557	AT52/ATE65
25	66	78	40x1/6	100	78	25.4	66	78	50.5	66	78	25.4	141/141	157/557	AT52/ATE65
32	66	78	48x1/6	100	78	31.8	66	78	50.5	66	78	31.8	141/141	157/557	AT52/ATE65
38	70	86	60x1/6	100	86	38.1	70	86	50.58	70	86	38.1	141/141	157/557	AT52/ATE65
51	76	102	70x1/6	104	102	50.8	76	102	64	76	102	50.8	141/159	171/180	AT52/ATE65
63	80	115	85x1/6	112	115	63.5	80	115	77.5	80	115	63.5	141/159	169/169	AT65/ATE83
76	84	128	98x1/6	112	128	76.1	84	128	91	84	128	76.1	159/211	194/208	AT65/ATE83
89				120	139	88.9	90	139	106	90	139	88.9	159/248	200/224	AT65/ATE83
102	104	159	132x1/6	128	155	101.6	102	155	119	102	155	101.6	211/248	220/242	AT83/ATE105
108				128	159	108	108	159	119	108	159	108	211/269	223/245	AT83/ATE105

注：根据不同的阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:The relative sizes are subject to change responding to different valve torques, mediums and actuator models.

主要外形及连接法兰尺寸Z6S41(0)H(Y)-PN25(25Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size					
	L	~H	H ₁	~H ₂	Φ do	D	D ₁	D ₂	C	f	n-Φ d
50	250	790	420	840	180	165	125	99	20	3	4-Φ 18
80	280	910	460	990	200	200	160	132	24	3	8-Φ 18
100	300	1050	560	1150	250	235	190	156	24	3	8-Φ 22
150	350	1240	660	1390	320	300	250	211	28	3	8-Φ 26
200	400	1520	810	1720	400	360	310	274	30	3	12-Φ 26
250	450	1700	930	1950	400	425	370	330	32	3	12-Φ 30
300	500	1930	1090	2230	450	485	430	389	34	4	16-Φ 30
350	550	2160	1230	2510	450	555	490	448	38	4	16-Φ 33
400	600	2330	1360	2730	500	620	550	503	40	4	16-Φ 36
450	650	2540	1510	2990	500	670	600	548	42	4	20-Φ 36
500	700	2750	1660	3250	550	730	660	609	44	4	20-Φ 36
600	800	3080	1910	3680	550	845	770	720	46	4	20-Φ 39
700	900	3570	2200	4270	600	960	875	820	50	5	24-Φ 42
800	1000					1085	990	928	54	5	24-Φ 48

主要外形及连接法兰尺寸Z6S41(0)H(Y)-PN40(4.0Mpa) Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size					连接尺寸 Connecting Size						
	L	~H	H ₁	~H ₂	Φ do	D	D ₁	D ₂	C	D ₃ x X	f	n-Φ d
50	250	790	420	840	180	165	125	99	20	88x4	3	4-Φ 18
80	310	910	460	990	200	200	160	132	24	121x4	3	8-Φ 18
100	350	1050	560	1150	250	235	190	156	24	150x4.5	3	8-Φ 22
150	450	1240	660	1390	320	300	250	211	28	204x4.5	3	8-Φ 26
200	550	1520	810	1720	400	375	320	284	34	260x4.5	3	12-Φ 30
250	650	1700	930	1950	400	450	385	315	38	313x4.5	3	12-Φ 33
300	750	1930	1090	2230	450	515	450	409	42	364x4.5	4	16-Φ 33
350	850	2160	1230	2510	450	580	510	465	46	422x5	4	16-Φ 36
400	950	2330	1360	2730	500	660	585	535	50	474x5	4	16-Φ 39
450	1050	2540	1510	2990	500	685	610	560	50	524x5	4	20-Φ 39
500	1150	2750	1660	3250	550	755	670	615	52	576x5	4	20-Φ 42
600	1350	3080	1910	3680	550	890	795	735	60	676x5	5	20-Φ 48

注：根据不同的阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:The relative sizes are subject to change responding to different valve torques, mediums and actuator models.

主要外形及连接法兰尺寸Z6S41(0)H(Y)-Class150 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting Size					
DN	in	L	~H	H ₁	~H ₂	Φ do	D	D ₁	D ₂	C	f	n-Φ d
50	2	178	790	420	840	180	152	120.5	92	16	2	4-Φ 19
80	3	203	910	460	990	200	190	152.5	127	19	2	4-Φ 19
100	4	229	1050	560	1150	250	229	190.5	157	24	2	8-Φ 19
150	6	267	1240	660	1390	320	279	241.5	216	26	2	8-Φ 22
200	8	292	1520	810	1720	400	343	298.5	270	29	2	8-Φ 22
250	10	330	1700	930	1950	400	406	362	324	31	2	12-Φ 25
300	12	256	1930	1090	2230	450	483	432	381	32	2	12-Φ 25
350	14	381	2160	1230	2510	450	533	476	413	35	2	12-Φ 29
400	16	406	2330	1360	2730	500	597	540	470	37	2	16-Φ 29
450	18	432	2540	1510	2990	500	635	578	533	40	2	16-Φ 32
500	20	457	2750	1660	3250	550	699	635	584	43	2	20-Φ 32
600	24	508	3080	1910	3680	550	813	749.5	692	48	2	20-Φ 35
700	28	610	3570	2200	4270	600	947	863.6	800	45	2	28-Φ 35
800	32	660					1060	978	914	46	2	28-Φ 41

主要外形及连接法兰尺寸Z6S41(0)H(Y)-Class300 Main Outline and Connecting Flange Size

公称通径 Nominal diameter		外形尺寸 Outline Size					连接尺寸 Connecting Size					
DN	in	L	~H	H ₁	~H ₂	Φ do	D	D ₁	D ₂	C	f	n-Φ d
50	2	216	790	420	840	180	165	127	92	23	2	8-Φ 19
80	3	283	910	460	990	200	210	168.5	127	29	2	8-Φ 22
100	4	305	1050	560	1150	250	254	200	157	32	2	8-Φ 22
150	6	403	1240	660	1390	320	318	270	216	37	2	12-Φ 22
200	8	419	1520	810	1720	400	381	330	270	42	2	12-Φ 25
250	10	457	1700	930	1950	400	445	387.5	324	48	2	16-Φ 29
300	12	502	1930	1090	2230	450	521	451	381	51	2	16-Φ 32
350	14	762	2160	1230	2510	450	584	514.5	413	54	2	20-Φ 32
400	16	838	2330	1360	2730	500	648	571.5	470	58	2	20-Φ 35
450	18	914	2540	1510	2990	500	711	628.5	533	61	2	24-Φ 35
500	20	991	2750	1660	3250	550	775	686	584	64	2	24-Φ 35
600	24	1143	3080	1910	3680	550	914	813	692	70	2	24-Φ 41
700	28						1035	940	800	89	2	28-Φ 45
800	32						1149	1054	914	103	2	28-Φ 51

注：根据不同的阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:The relative sizes are subject to change responding to different valve torques, mediums and actuator models.

气动截止阀

型号: J641H(F)
口径: DN50~800mm
压力: 0.6、1.0、1.6、2.5、4.0MPa; 150Lb、300Lb
尺寸标准: 国标、美标
阀体材质: 碳钢(WCB)、不锈钢(CF8、CF8M、CF3、CF3M)
阀座材料: 金属密封(H、Y)、聚四氟乙烯(F)
作用方式: 双作用、单作用(弹簧复位)
控制方式: 开关型、调节型
附件选择: 电磁阀、定位器、限位开关
气源处理三联件、手动机构

Pneumatic Globe Valve
Model: J641H (F)
Bore: DN50~800mm
Pressure: 0.6, 1.0, 1.6, 2.5, 4.0MPa; 150Lb, 300Lb
Dimension Standard: Chinese Standard, ANSI
Body Material: Carbon Steel(WCB),
Stainless Steel(CF8, CF8M, CF3, CF3M)
Seat Material: Metal Sealed(H,Y), PTFE(F)
Mode of Action: Double-acting,
Single-acting (Spring Return)
Mode of Control: Switch Type, Adjust Type
Annex Choice: Solenoid Valve, Locator,
Limit Switch, F.R.L. Combination Unit,
Manual Organization



技术规范 Technique norm

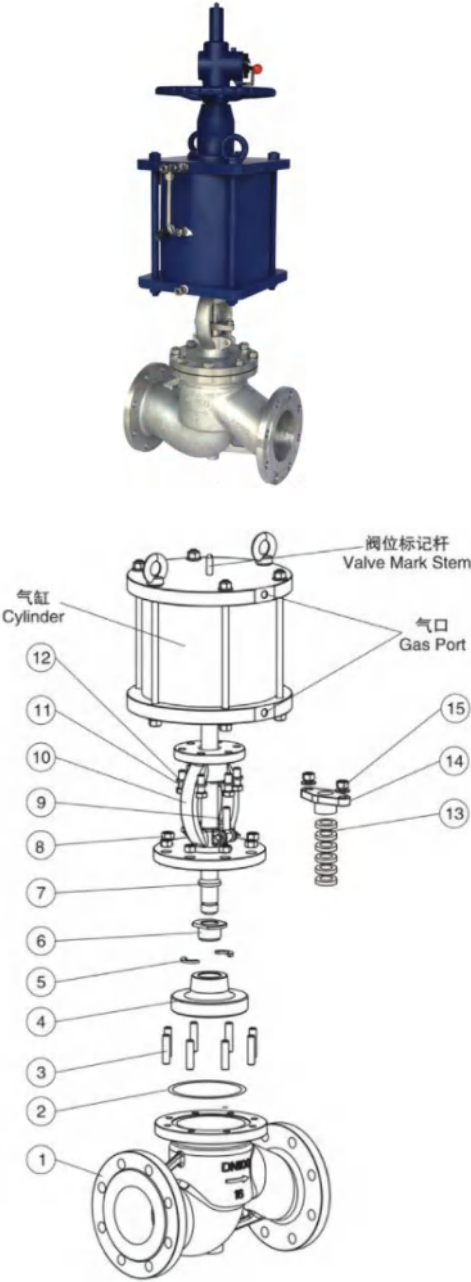
设计依据 Design Basis		GB标准 Standard
设计标准 Design standard		GB/12233
结构长度 Face to dimension	法兰 连接 Flange connecting	GB/12221
连接法兰尺寸 Connecting Flange Size		GB/9113、JB/T79
试验和检验 Test & inspection		GB/T13927、JB/T9092

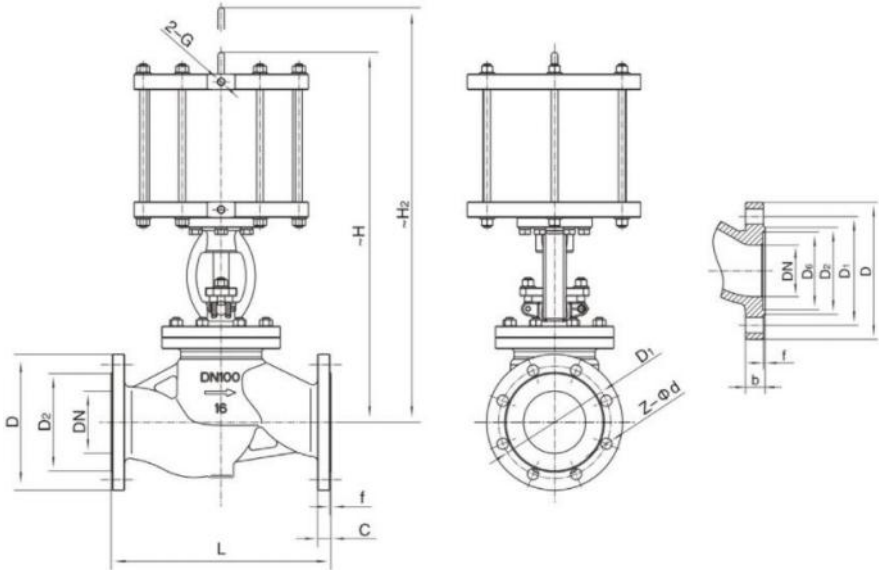
注：截止阀结构长度及连接法兰尺寸可根据用户要求设计制造
Note: The structural length and connecting flange size of globe valve series can be designed and manufactured as per users' requirements.

主要零件材质表
Form of Main Parts Materials

序号 No.	零件名称 Name of parts	材质 Material		
		C	P	R
1	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	垫片 Gasket	柔 石墨+不锈钢 Graphite+Stainless Steel	PTFE	PTFE
3	螺栓 Screw	35	304	304
4	阀瓣 Disc	WCB+堆焊304 或stellite、PTFE	ZG1Cr18Ni9Ti PTFE	ZG1Cr18Ni12Mo2Ti PTFE
5	对开环 Split ring	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	阀瓣盖 Disc cover	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
7	阀杆 Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	螺帽 Screw Cap	35	304	304
9	吊环螺栓 Lifting Ring Screw	35	304	304
10	阀盖 Bonnet	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
11	螺栓 Screw	35	304	304
12	垫片 Gasket	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
13	填料 Packing	柔 石墨 Graphite	PTFE	PTFE
14	填料压板 Packing Plate	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
15	螺帽 Screw Cap	35	304	304

注：截止阀主要零部件及密封阀座的材质可根据实际工况条件或用户特殊要求设计选用
Note:The main spare parts and sealed seat material of globe valve series can be designed for options as per users' special requirements.





主要外形及连接法兰尺寸J641H(W、F、Y)-16C/P/R Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size		连接法兰尺寸 Connecting Flange Size							气源接口 Air Source Interface
	L	~H	D	D1	D2	C	f	N	Φd	
15	130	291	95	65	46	14	2	4	14	1/4"
20	150	300	105	75	56	16	2	4	14	
25	160	353	115	85	65	16	2	4	14	
32	180	390	140	100	76	18	2	4	18	
40	200	518	150	110	84	18	3	4	18	
50	230	555	165	125	99	20	3	4	18	
65	290	630	185	145	118	20	3	4	18	
80	310	683	200	160	132	20	3	8	18	3/8"
100	350	745	220	180	156	22	3	8	18	
125	400	855	250	210	184	22	3	8	18	
150	480	870	285	240	211	24	3	8	22	
200	600	954	340	295	266	24	3	12	22	
250	730	1065	405	355	319	26	3	12	26	
300	850	1185	460	410	370	28	4	12	26	

注：根据不同的阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:The relative sizes are subject to change responding to different valve torques, mediums and actuator models.

主要外形及连接法兰尺寸J641H(W、F、Y)-25C/P/R Main Outline and Connecting Flange Size

公称通径 Nominal diameter DN	外形尺寸 Outline Size		连接法兰尺寸 Connecting Flange Size							气源接口 Air Source Interface
	L	~H	D	D ₁	D ₂	C	f	N	Φd	
15	130	291	95	65	46	14	2	4	14	1/4"
20	150	300	105	75	56	16	2	4	14	
25	160	353	115	85	65	16	2	4	14	
32	180	390	140	100	76	18	2	4	18	
40	200	518	150	110	84	18	3	4	18	
50	230	555	165	125	99	20	3	4	18	
65	290	630	185	145	118	22	3	8	18	
80	310	683	200	160	132	24	3	8	18	
100	350	745	235	190	156	24	3	8	22	3/8"
125	400	855	270	220	184	26	3	8	26	
150	480	870	300	250	211	28	3	8	26	
200	600	954	360	310	274	30	3	12	26	
250	730	1065	425	370	330	32	3	12	30	
300	850	1185	485	430	389	34	4	16	30	

主要外形及连接法兰尺寸J641H(W、F、Y)-40C/P/R Main Outline and Connecting Flange Size

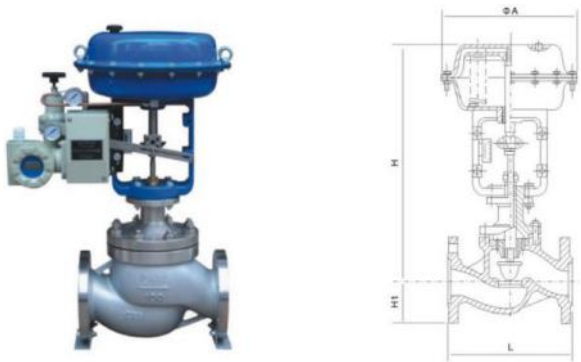
公称通径 Nominal diameter DN	外形尺寸 Outline Size		连接法兰尺寸 Connecting Flange Size									气源接口 Air Source Interface
	L	~H	D	D ₁	D ₂	C	f	N	Φd	D ₃	X	
15	130	305	95	65	46	14	2	4	14	40	4	1/4"
20	150	316	105	75	56	16	2	4	14	51	4	
25	160	373	115	85	65	16	2	4	14	58	4	
32	180	416	140	100	76	18	2	4	18	66	4	
40	200	530	150	110	84	18	3	4	18	76	4	
50	230	575	165	125	99	20	3	4	18	88	4	
65	290	656	185	145	118	22	3	8	18	110	4	
80	310	713	200	160	132	24	3	8	18	121	4	
100	350	775	235	190	156	24	3	8	22	150	4.5	3/8"
125	400	892	270	220	184	26	3	8	26	176	4.5	
150	480	940	300	250	211	28	3	8	26	204	4.5	
200	600	1054	375	320	284	34	3	12	30	260	4.5	
250	730	1115	450	385	345	38	3	12	33	313	4.5	
300	850	1235	515	450	409	42	4	16	33	364	4.5	

注：根据不同的阀门扭矩、使用介质选配，不同的执行器型号，其相关尺寸随之变化
Note:The relative sizes are subject to change responding to different valve torques, mediums and actuator models.

概述 Outline

ZJHP型拨动单座调节阀由气动多弹簧薄膜执行机构和低流阻单座阀组成，新型执行机构高度低、重量轻、装校简便，新型阀体结构紧凑、流产通畅，具有大的流量系数
本产品操作稳定，具有可靠的动作特性，微小的阀座泄漏、精确的流量特性、宽大的可调范围等特点。它必将以独特的优点在广泛应用中取得高质量的控制效果
ZJHP moves the single-seat regulating valve is composed by the air operated multi-springs thin film implementing agency and the low single-seat valve,the new implementing agency highly low,the weight light,simple,the new valve body stcture compact,the miscarriage is unobstructed, has the great discharge coeffcient.
This product operation stable,has the reliable movement characteristic,the small valve seat divulges,the precise discharge characteristic,is spacious may adjust characteristic and so on scope.It will certainly by the unique merit to obtain the high grade control effect in the widespread application.

主要技术参数和性能指标 Main technical parameter and performance index



调节机构主要技术参数 Control element main technology parameter

公称通径 (DN)mm		20				25		40		50		65		80		100		150		200	
阀座直径 mm Seat diameter		10	12	15	20	25	32	40	50	65	80	100	125	150	200						
额定流量 Rated flow	直线 Linear	1.8	2.8	4.4	6.9	11	17.6	27.5	44	69	110	176	275	440	690						
系数 Kv Coefficients	等百分比 Such percentage	1.6	2.5	4	6.3	10	16	25	40t	63	100	160	250	400	630						
公称压力 (PN)MPa		0.6 1.6 4.0 6.4																			
行程 Trip mm		16				25						40				60					
流量特性 Flow Characteristics		直线、等百分比 Staigt,so the percentage																			
介质温度℃ Medium temperature		-15~200(常温型 Normal temperature) 、 -40~250 、 -40~450(中温型 Center warm)																			
法兰尺寸 Flange size		铸铁法兰尺寸按 JB78 铸钢法兰尺寸按 JB79 Cast iron flange size according to Jb78 cast steel flange size according to Jb79																			
法兰型式 Flange type		法兰密封面型式按 JB77 、 其中铸铁法蓝为光滑式，铸钢法兰为凹式 The flange packing surface pattern according to JB77,cast iron flange is the plane,the cast steel flange for is concave-like																			
阀体 Valve body	PN	0.6,1.6																			
材质 Material	(Mpa)	4.0,6.4																			
阀芯材质 Spool Material		WCB(ZG230-450) 、 ZG1Cr18Ni9Ti 、 ZG0Cr18Ni12Mo2Ti																			
上阀盖型式 On the valve cover type		1Cr18Ni9 、 0Cr18Ni12Mo2Ti																			
可调比 R Turndown Ratio		普通式 (常温型) ， 热片式 (中温型) Pu(normal temperature),hot piece type(center warm)																			
		50:1																			
		M16X1.5																			

注：可为用户提供ANSI、JPI、JIS法兰的产品，结构长度的可按用户需要确定
Note:May provide ANSI,JPI,the JIS flange product for the user,the structral length also may need to determine according to the user.

执行器机构主要技术参数 Implementing agency main technology parameter

型号 Models	ZHA(B)–22	ZHA(B)–23	ZHA(B)–34	ZHA(B)–45
有效面积 cm ² Effective area	350	350	560	900
行程 Trip mm	16	25	40	60
弹簧范围 KPa Spring area	20~100(标准 Standard);40~200;80~240;20~60;60~100			

性能指标Performance index

项目 Project		指标值 Refer to the list price	项目 Project		指标值 Refer to the list price	
基本误差 % Basic error	不带定位器 Does not bring the locator	± 5.0	气关 Closure	不带定位器 Does not bring the locator	始点 Beginningspot	± 5.0
	带定位器 Belt locator	± 1.0			终点 Endpoint	± 2.5
回差 % Return to the difference	不带定位器 Does not bring the locator	≤ 3.0		带定位器 Belt locator	始点 Beginningspot	± 1.0
	带定位器 Belt locator	≤ 1.0			终点 Endpoint	± 1.0
死区 % Dead region	不带定位器 Does not bring the locator	≤ 3.0	气开 opens	不带定位器 Does not bring the locator	始点 Beginningspot	± 2.5
	带定位器 Belt locator	≤ 0.4			终点 Endpoint	± 5.0
	不带定位器 Does not bring the locator	≤ 3.0		带定位器 Belt locator	始点 Beginningspot	± 1.0
	带定位器 Belt locator	≤ 0.4			终点 Endpoint	± 1.0
额定行程偏差 % Fixed travel scheduled deviation		± 2.5	允许泄漏量 1/h permission and divulges		1×10 ⁻³ × 阀额定容量 Valve rated capacity	

可配附件 May match the appendix

定位器、手轮结构、空气过滤减压器等
Positioner, handwheel organization, air strainer reduced pressure and so on.

外形尺寸 External dimensions

	L			H		H1				质量 (kg) Quality		ΦA
	PN ₁₆ ⁶	PN40	PN64	普通 Ordinary	高温 High temperature	PN6	PN16	PN40	PN64	PN ₁₆ ⁶	PN40 PN64	
20	181	191	206	398	548	45	52	65	19	23		
25	185	197	210	410	560	50	57	70	20	24		
40	222	235	251	455	620	65	75	85	26	35	285	
50	254	267	286	457	627	70	82	90	30	40		
65	276	292	311	610	790	80	92	100	47	66		
80	298	317	337	622	807	95	100	107	55	78	360	
100	352	368	394	640	850	105	110	117	125	65	99	
125	451	473	508	870	1130	132	142	150	172	130	160	
200	600		650	890	1150	160	170	187	207	175	250	470
250	730		775	1203	1523	187	202	225	235	350	470	
300	850		900	1234	1554	220	230	257	265	500	660	580

Mini MOD型手操机构主要用途:

本手操机构与气动装置联合使用，用于90度开启度的蝶阀、旋塞阀等实现手动或气动驱动

产品特点:

- ①体积小、重量轻，设计合理、式样新颖。此型号克服了老型号难操作、易损坏的特点，客户可以放心使用
- ②产品系列化，输出转矩于气动装置，各种阀门匹配；蜗轮连接内孔有相隔90度的两个键槽，以便用户根据需要选择装置同阀体的相对位置。输入扭矩70NM-900NM；输出扭矩300NM-2000NM
- ③转动手柄，旋转偏心装置180度，限位橡胶螺母旋紧，实现气动；反之，实现手动
- ④产品出厂时，装有专业的润滑脂，与阀门装配后，整体密封、防尘、防水、防护等级为IP65

使用说明:

- ①手轮机构底面与阀门连接，支架面与气缸连接，阀轴与蜗轮内孔配合穿过，阀轴端四方与气缸方孔配合。（工作过程：气动时，气缸带动阀轴、蜗轮同转。手动时，蜗杆与蜗轮合，带动阀轴转动，气缸活塞随动）
- ②转动手柄在合上蜗杆时，会痴线顶齿现象，需转动手轮一个角度既可合上。操作手柄转动到位时，限位橡胶螺母需旋紧
- ③旋出限位橡胶螺母，手柄位于合位置，手动操作，此时不能气动。转动手柄至离，蜗轮、蜗杆脱开，实现气动
- ④旋出限位橡胶螺母，手柄位于离位置，气动切手动。旋出限位橡胶螺母，手柄到合位置，可能出现顶齿现象，需要回转动手柄，以确保蜗轮，蜗杆正确齿合
- ⑤气动与手动不能同时驱动

型号	连接方心上	连接方心下	气动执行器	球阀
SD-1	11*11/14*14	11*11/14*14	GT52-GT63-GT83	Q641-16P/DN15-DN50
SD-2	17*17/14*14	17*17/14*14	GT110-GT127	Q641F-16P/DN65-DN80
SD-3	22*22/27*27	22*22/17*17	GT127-GT160	Q641F-16P/DN100-DN125
SD-4	27*27/36*36	27*27/22*22	GT190-GT210	Q641F-16P/DN150-DN200

型号	连接方心上	健	轴孔直径	气动执行器	蝶阀型号
SD-1	11*11/14*14	3	12.6/12.6/15.9	GT52-GT63-GT83	D671X-16 DN50-DN80-DM100
SD-2	17*17/14*14	5	19.1	GT83-GT110	D671X-16 DN125-DN150
SD-3	22*22/27*27	5/8	22.3/28.7	GT127-GT160	D671X-16 DN200-DN250
SD-4	27*27/36*36	8	31.8	GT190-GT210	D671X-16 DN300-DN400

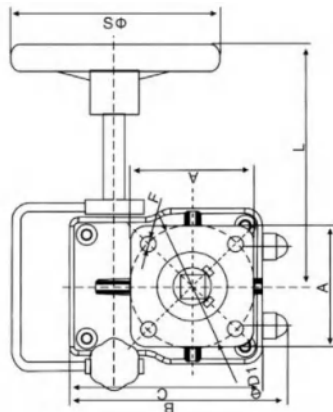
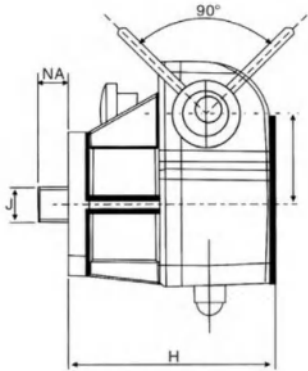
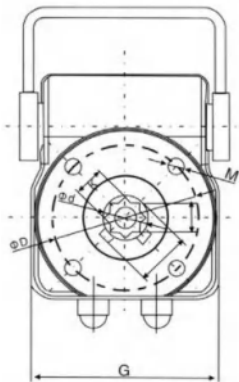




迷你手动机构



迷你手动机构



型号	输出转矩	A	B	C	D	D1	F	G	H	J	K	M	L	NA	S	重量 (kg)
MSD-1	300	70	125	110	50	50	6.5	90	100	11	14	M6	130	15	180	2.3
					70	70	8.5					M8				
MSD-2	700	95	150	135	70	70	8.5	125	118	14	17	M10	150	20	220	3.5
					102	102	8.5					M10				
MSD-3	1200	115	185	160	102	102	10.5	140	125	17	22	M10	180	22	270	5.6
					125	125	12.5					M12				
MSD-4	2000	140	230	210	125	125	12.5	190	162	22	27	M12	300	32	320	12.5
					140	140	16.5					M16				



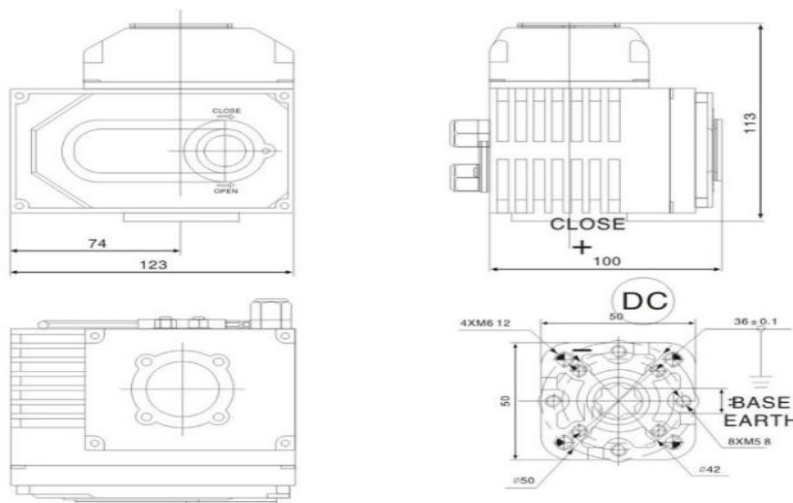
性能参数 Performance Parameter

型号 Model	最大输出扭矩 Max output torque N · m	动作时间90° Operating time (S)	输出轴 Output axis(mm)				电机(W) Electrical machinery	单相额定电流 Single-phase rated current 220V (A) 50HZ	重量 Weight (Kg)
			方Square	深Deep	圆Round	深Deep			
SDV -003	30	10	9×9	13.5	Φ12.6	26	8	0.15	2.1
			11×11	15.5					
SDV -005	50	30	11×11	15.5	Φ12.6	26	10	0.25	3.6
			14×14	18					
SDV -010	100	30	14×14	18	Φ15.78	28	15	0.35	4.6
			17×17	22.5					
SDV -016	150	30	14×14	18	Φ18.95	28	15	0.37	4.6
			17×17	22.5					
SDV -020	200	30	22×22	26	Φ22.13	45	45	0.3	13
SDV -040	400	30	22×22	26	Φ28.48	45	60	0.33	13.8
SDV -060	600	30	27×27	32.5	Φ31.65	45	90	0.33	14
SDV -100	1000	135	27×27	32.5	Φ31.65	45	180	0.47	60
SDV -160	1600	135	Max Φ65		深65		180	0.85	60
SDV -200	2000	135	Max Φ65		深65		180	0.85	60

标准技术参数 Standard Technical Parameter

外壳Shell	铝合金外壳，防水级别：IP67,NEMA4 and 6 Aluminium alloy Shell,waterproof leve:IP67,NEMA4 and 6	
电机电源 Power supply	110/220V AC 1Phase,380/440V AC 3Phase, 50/60Hz, ± 10%	
控制电源 Control supply	110/220V AC 1Phase, 50/60 Hz, ± 10%	
电机 Electric machinery	鼠笼式异步电动机 Squirrel-cage Asynchronous electric Machinery	
限位开关 Limit switch	2 × 开 (On)/关 (Off), SPDT,250V AC 10A	
辅助限位开关 Accessorial Limit switch	2 × 开 (On)/关 (Off), SPDT,250V AC 10A	
行程 Stroke	90° ~270 ± 10° (90° 以上提前说明) When it's over 90° ,please note us in advance	0° ~270
失效保护/操作温度 Speed protection/Operating temperature	内置热保护，开120℃ ± 5℃/关97℃ ± 15℃ Inside hot protection, On 120℃ ± 5℃/Off 97℃ ± 15℃	
指示器 Indicator	连续的位置指示Continuous situation indication	
手动操作 Manul operation	机械手柄Mechanical handle (可选装手轮Optional:fixing with the handwheel)	
自锁装置 Self-locking device	蜗轮，蜗杆机构提供自锁 Provide self-locking by worm and worm gear	
机械限位 Mechanical Limit	2个外部调整螺栓 2 pieces of adjustable bolts	
干燥器 Space heater	7-10W (110/220V AC)防冷凝 Condensation-preventing	
接线孔 Bonding hole	2个(Pieces) M18	
环境温度 Ambient temperature	-20℃~+70℃	
润滑 Lubrication	铝基润滑脂 (EP型) Aluminium base grease (EP)	
材料 Material	钢，铝合金，铝青铜，聚碳酸酯 Steel, Aluminium alloy, Aluminium bronze,Polycarbonate	
环境湿度 Ambient humidity	最大(Max) 90% RH	非凝结 Non-Condensed
抗震性能 Shock survial	X Y Z 10g,0.2~34 Hz,30分(minutes)	
外涂层 External coating	干粉，环氧聚酯Dry powder, Epoxy polyester	

外观图 Outside view 1.SDV-003外观及安装尺寸 SDV-003 Appearance and installation dimension



SDV-DCS01

图1

SDV-005外观及安装尺寸（虚线部分为模拟量控制盒，开关型无此尺寸）

SDV-005 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)

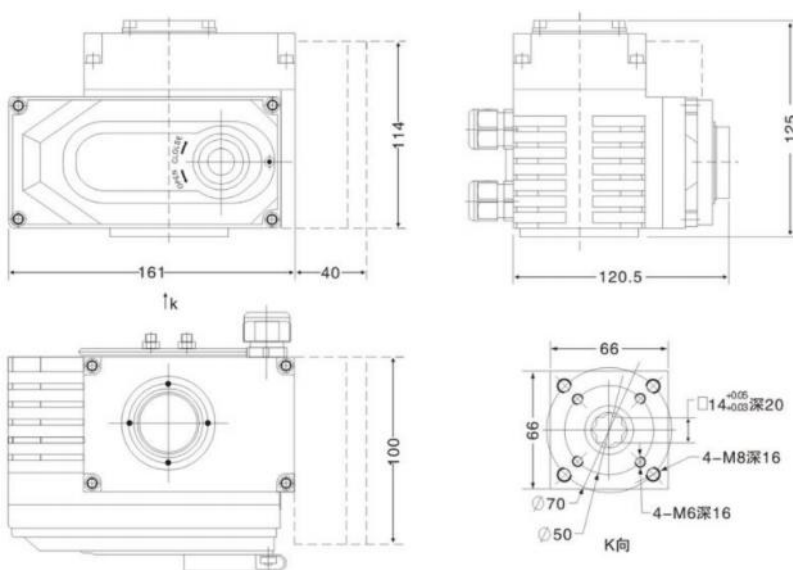


图2

SDV-010~016 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)

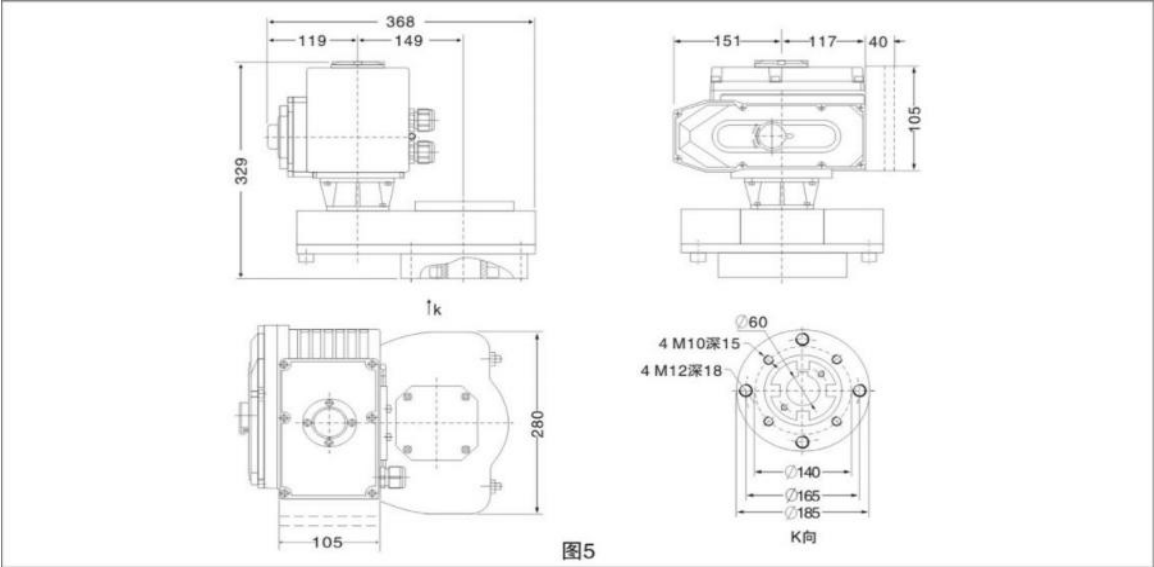


SDV-020~060 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)



SDV-100~200外观及安装尺寸（虚线部分为模拟量控制盒，开关型无此尺寸）

SDV-100~200 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)



线路图 Circuit Diagram

1.标准开关无源触点信号输出线路图 Standard on-off passive contact signal output circuitry

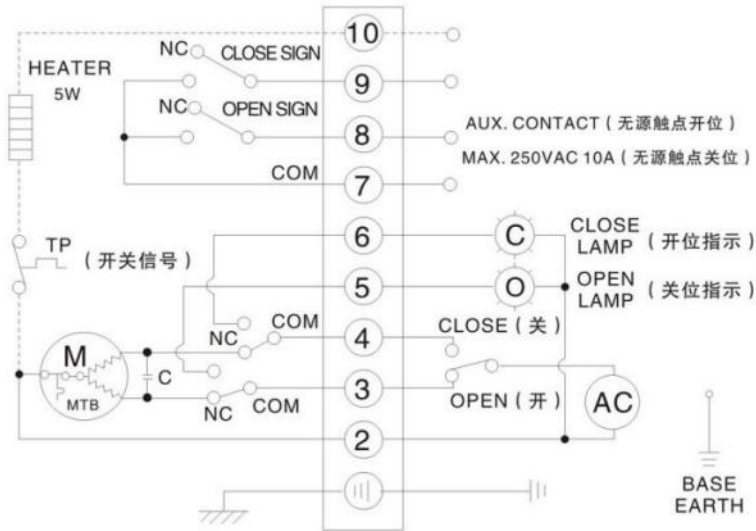


图6

2. 模拟量无源触点信号输出线路图 Analog quantity passive contact singal output circuitry

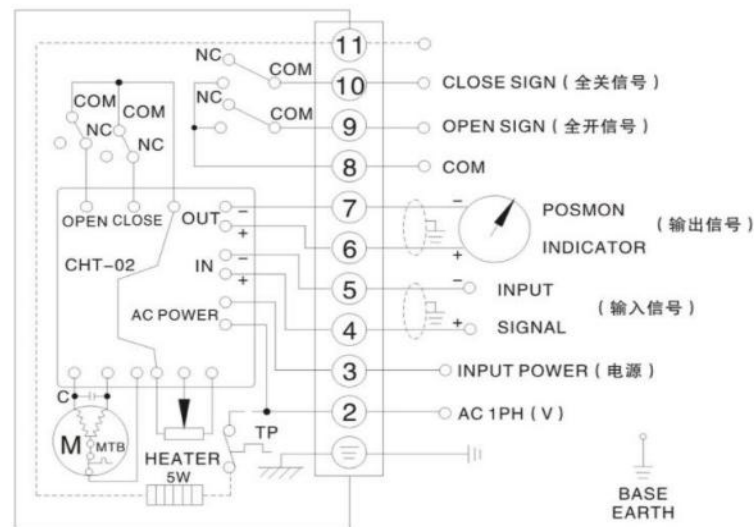


图7

3. 角度及无源触点信号输出线路图 Angle and passive contact signal output circuitry

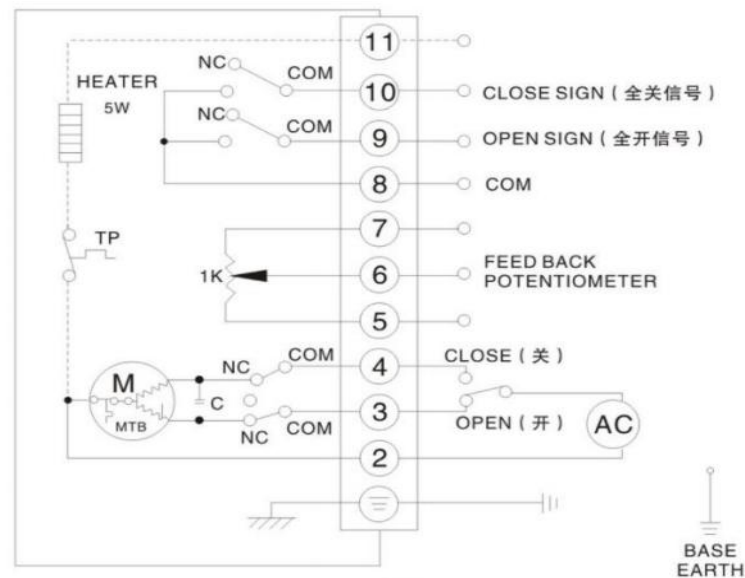


图8

线路图 Circuit Diagram

4.380/440VAC/50/60Hz,3相 (外置控制开关型) 380/440VAC/50/60Hz,3Ph(Outer control On-off model)

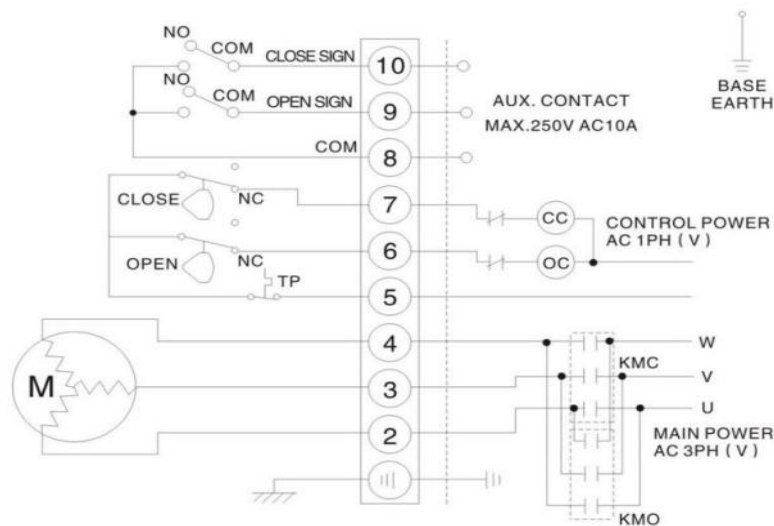


图9

5.开关量输入4~20mA信号及开关信号输出线路图 On-off input 4~20mA signal and open-closed signal output circuitry

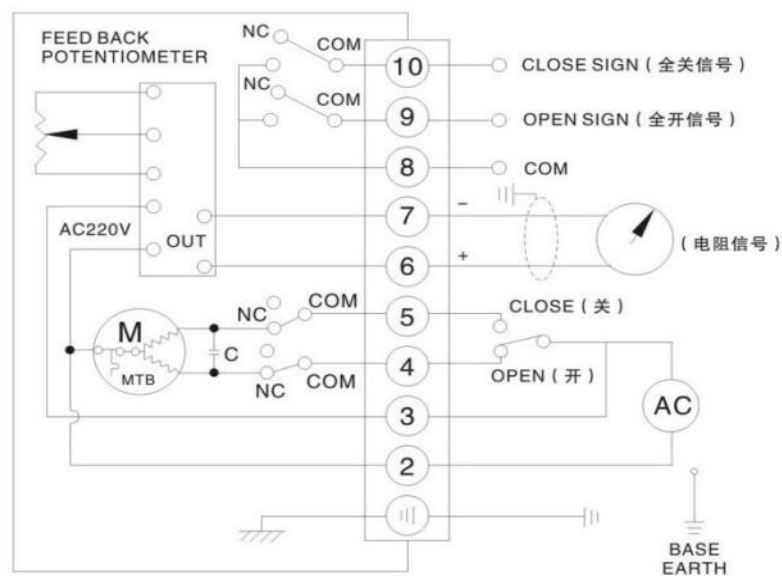
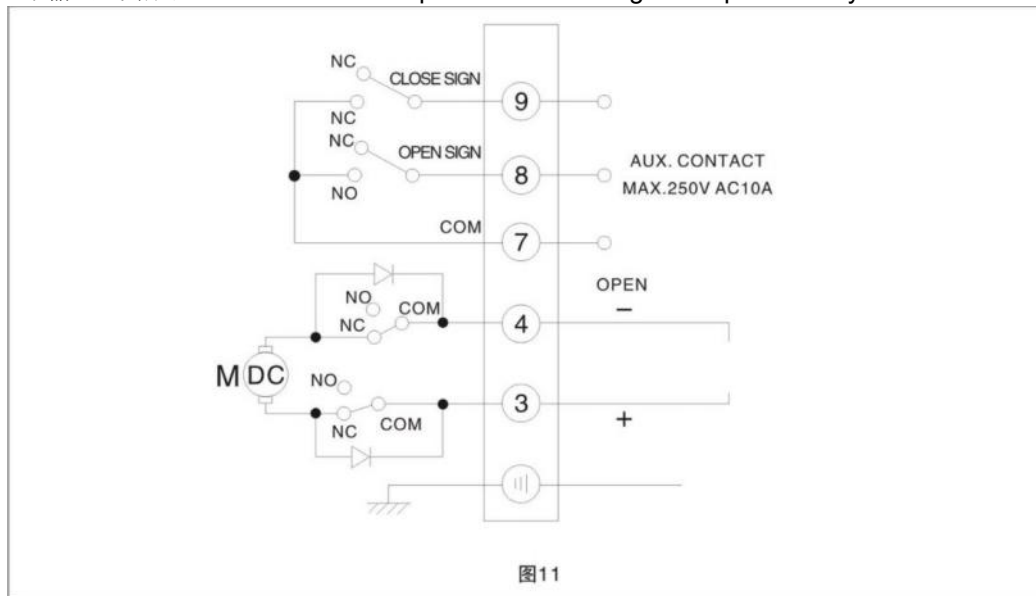


图10

6.直流标准开关无源触点信号输出线路图 DC standard on-off passive contact signal output circuitry



结构 Structure

电动执行器主要由以下几部分组成 Electric actuators is make up of the following parts:

- ◇ 壳体部分：包括外壳及底座部分； Shell:including shell and pedestal
- ◇ 驱动部分：以高性能全封闭鼠笼式电机为动力源； Drive parts:Full sealing high-performance squirrel-cage motor for the power source
- ◇ 传动部分：蜗轮与齿轮传动部分； Driving mechanism:Worm and gear drive parts
- ◇ 比例控制部分：与机械部分分离，便于调试； Ratio control parts:separate with the mechanical parts,easy to debug
- ◇ 限位开关部分； Limit switch part
- ◇ 开度检测与反馈部分； Opening Detected and Feedback Parts

执行器的安装 Installation of Electric actuators

安装场所

1.1 室内安装的注意事项 Notes of interior installation

- ◇ 属非防爆产品，所以不要安装在有爆炸性气体的地方； It's not a explosion-proof product,so that please don't install in the place of explosive gases;
- ◇ 安装在有水淹没及户外请提前说明； When installing in the submerged or outdoor,please note us in advance;
- ◇ 请预留接线，手动操作等维修空间； Please reserve space for repairing cables ,manual operation;

1.2 室外安装的注意事项 Notes of outdoor installation

- ◇ 为了避免雨水，阳光直射等问题，需要安装保护盖，或选用防护等级IP68； In order to avoid the rain,direct sunlight and so on,it needs to install a protective cover,or choose IP68 protection grade
- ◇ 请预留接线、手动操作等维修空间； Please reserve space for repairing cables ,manual operation;

2.环境温度、流体温度条件 The condition of Ambient temperature and Fluid temperature

2.1环境温度 Ambient temperature

◇ 环境温度在-30°C~+60°C; Ambient temperature at -30°C~+60°C

◇ 环境温度为零度以下时，在机内加装除湿加热器; When ambient temperature is below zero,the machine needs to install space heater

2.2流体温度 Fluid temperature

◇ 与阀门配套使用时，流体的热量会传到机体上面，机体温度会升高。流体温度属于高温时，与阀门连接的支架要作特别处理: When using with the valve,the heat of the fluid will move to the body,then the body temperature will rise.When the fluid temperature is a hightemperature,the bracket which is connecting with the valve need to make special treatment

◇ 标准支架: 流体温度+65°C以下使用标准支架或免支架; Standard bracket:when the fluid temperature is below +65°C, it use standard bracket or no need to use bracket

◇ 中温支架: 流体温度+65°C以上使用中温支架; Intermediate temperate bracket:when the fluid temperature is over +65°C, it use intermediate temperate to bracket

◇ 高温支架: 流体温度+180°C以上使用高温支架; High-temperature bracket:when the fluid temperature is over +180°C, it use high-temperature bracket

3.与阀门连接 Connect with the valve

◇ 手动转动阀门，确认无异常情况，并转到全闭位置; Turning valves by hand,confirmed that it didn't have abnormal situation,then turn to full-closed position

◇ 将支架固定在阀门; Fix the bracket on the valve

◇ 将电动装置放在支架上用螺栓和螺母轻轻拧上; Put the electric actuator on the bracket,then screwing the bolts and nuts lightly

◇ 将电动装置转到关闭位置，用连轴器和螺钉将阀门芯轴和电动装置输出轴固定; Put the electric actuator to the closed position,fixing valve mandrel and electric actuator with coupling and screw blots

◇ 拧上电动装置和支架间的螺钉; Screw the bolts between the electric actuator and the bracket

◇ 用手柄转动电动装置，确认无偏心、弯斜、运动平稳，注意不要超程! Rotate the electric actuator by handle to confirm non-eccentric,curved ramps,smooth movement,and pay attention to not over travel!

注意事项: 连接轴尽量减小回差; Note:Decrease hysteresis of the coupling as far as possible

安装时，注意使执行器的开关与阀门的开关一致。执行器底部的法兰符合ISO5211标准，如果与之连接的阀门也符合此标准，则可方便连接; 如不符合此标准，则需另加支架连接

Pay attention to keeping the switch of electric actuator in line with the switch of the valve when installing.The flange of the electric actuator bottom conform to the standard ISO5211,if the valves which connect with the flange are also conform to this standard,it will be connect conveniently;if doesn't,it should be connecting with the bracket in addition

调试说明 Debug Description

1.行程限位的调整 Adjustment of stroke limit

转动手轮使执行器运动到阀门全关位置。然后，用扳手松开限位凸轮固紧螺母，转动限位凸轮（黄色开，红色关）将其调整到恰好压下限位开关（CLS）的位置，再将限位开关凸轮螺母固紧。这样就设定好了执行器全关时行程限位的位置。全开时的位置同样方法设定。

Turn round handwheel making the electric actuator moved to the full-closed position.And loosen nuts on limit cam by spanner rotating limit cam(yellow open, red close) to adjusting just push down limit switch (CLS) position,and then screw limit cam nut.So,it's the way to set the full-closed stroke limit position of the electric actuator.Full-opened position is setting as the same way.

2.机械限位的调整 Adjustment of mechanical limit

松开机械限位螺钉的锁紧螺母，然后手动使执行器运动到全关的位置，旋转限位螺母，当其碰到里面的扇形齿轮后停止转动，在旋出两圈，最后上紧锁紧螺母。这样就设定好了执行器全关时的机械限位的位置。全开时的位置可同样设定

Loosen the nuts of the mechanical limit, and then move the electric actuator to the full-closed position by hand, rotating the limit nuts, stop rotating when it comes across inside the fan-shaped gear, and then circle out two circles, screw the nuts at last. So, it's the way to set the full-closed mechanical position of the electric actuator. Full-open position is setting as the same way.

3.电位器的调整 Adjustment of mechanical Limit

电位器在执行器中作为一种反馈信号输出，有三个输出端子，其中②脚接电位器的滑臂。①脚接执行器开动作时，与滑臂之间的电阻不断减小一端，③脚则接执行器关闭动作时与滑臂之间的电阻不断减小一端（注意：电位器不应出现阻值过零，跳变现象）。用手柄转动阀门到全开位置，以开到限位开关动作为准，用万用表测量，将接线端子上②脚①脚电阻调整到 35Ω ~ 60Ω 之间。若不正确可通过转动电位器传动齿轮调整

Potentiometer is used for exporting feedback signal in the actuators, it exports 3 pieces of terminals, thereinto ② side connect with slide arm of potentiometer. ① side connect with the terminal which resistance between slide arms constantly decrease, when the actuator is opening movement, ③ side connect with the terminal which resistance between slide arms constantly decrease, when the actuator is closed movement. (Note: The potentiometer resistance should be not over-zero, jump phenomenon.) Rotating the valve to the wide-open position by handle, as per open to limit switch closed movement, measured with a multimeter to adjust the resistance between ② and ① side to 35Ω ~ 60Ω . If it's not correctly, it can adjust through rotating drive gear of potentiometer.

调试说明 Debug Description

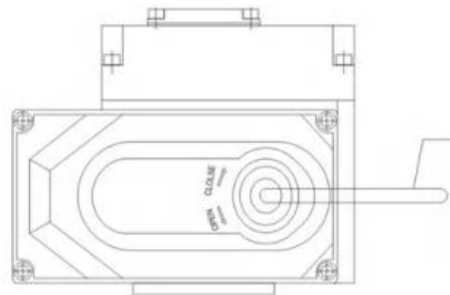
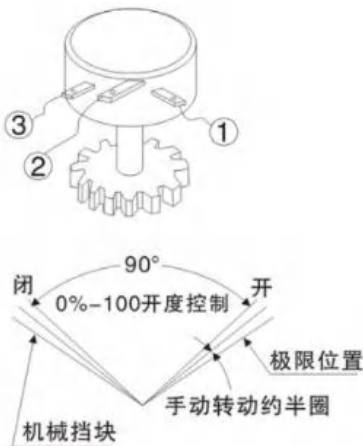
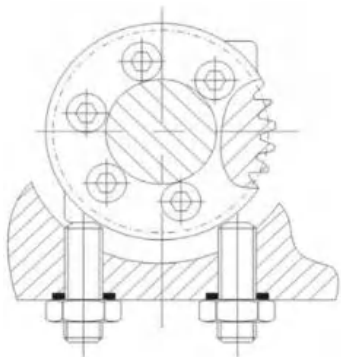
1.手动操作 Manual Operation

进行手动操作时，必须先把电源切断；摘下减速盖的橡胶帽，将附带的手柄插入六角孔内；将手动手柄按顺时针方向转动使开度减少

First of all, it should be cut off power, when it's operating by hand; take off the rubber caps on the gear cover, put the accessory handle in the hexagonal hole; rotate the handle clockwise direction to reduce the opening.

◇ 注意：开度转到全开、全关位置时，极限开关产生动作在转动半圈，会碰到机械挡块上，过分转动，会导致其他零件的损坏，因此要避免用力过大

Note: Opening to the full-open or full closed position, limit switch turns half circle, it will come across mechanic block, if rotate excessively, it would result the damage of other parts, so it should be avoid excessive force.



2. 电动操作 Electric operation

- ◇ 电动操作之前，先用手动操作的方法，检查开度计和阀门角度（全开、全闭）是否一致； Before electric operation,checking opening meters in line with the angle of valves by the methods of manual operation(full-open,full-closed)
- ◇ 检查接线是否正确，同时需先用外部切换开关，确认开闭动作； Check the wiring correct,at the same time need to use an external seitch to confirm opening and closing movements
- ◇ 确认以上状态之后，开始电动操作
After confirm the over status,the start electric operation

3.注意 Note

- ◇ 检查接线图，电源，输入/输出信号是否正确； Check wiring diagram,power supply,input/output signal correctly
- ◇ 尽量不要改变内部接线； Don't change the internal wiring
- ◇ 如果电源为三相，应检查旋转方向； If the power supply is 3 phase,it should be checking the rotating direction
- ◇ 手动使执行机构处于半开/关位，通电并输入开信号； Enable the electric actuator lies in a half on/off position,turn on electricity and input the open signal
- ◇ 如果执行机构向开位运行，则说明接线正确； If the electric actuator runs to the open position it means the wiring is correct
- ◇ 如果运动方向相反，则必须交换3根电源线中的两根； If the running direction is opposite.it must be change 2 pieces wiring in 3 pieces of wiring

保养 Maintenance

加油：由于使用寿命长，耐压性好的特殊钼基润滑脂，所以不需加油

Oiling:Because of using the long life,good pressure resistance of special Mo-based grease,so it doesn't need to add the oil

定期运转：在阀门的动作很稀少时，可以定期驱动机器，检查在无异常

Regular operation:When the valve works infrequently,it should be drived the machine regularly,checking abnormality or not

注：模拟量调节型调试说明请参阅执行器控制模块部分说明书

Note:Debuging description of analog volume adjustment type,please refer to the sprcification of the actuator control module part

其他个性化功能 电动执行器 Other personalized features electric actuators

- ◇ 阀门全开、全关动作2.8秒到8秒（可选），用于一些需要快速动作的工况； The time of the valve move to full-open or full-closed only need 2.8s-8s(optional), it's used for some working condition which need to move quickly
- ◇ 水下短时间工作，用于一些有时电动执行器被水浸没的工况； Working under the water in short time,it's used for some working condition which the electric actuator is immerged in the water sometimes
- ◇ 阀门全开、全关特别缓慢，执行器可使阀门旋转90° 动作时间达到650秒； The valve move to full-open or full-closed slowly in particular,the actuator is enable to rotating the valve 90° achieve 650s
- ◇ 手动操作可采用带离合手轮机构； Manual operation adopts handwheel with clutch
- ◇ 具有现场，就地/远程切换功能； It's provided with the scene,local/remote switching function
- ◇ 有DC12V,DV24V,DC110V,DC220V;AC24V,AC110V,AC380V,可定做；
It's provided with DC12V,DC24V,DC110V,DC220V,AC24V,AC110V,AV380V;

注：其他不详或特殊规格，请与本公司技术部联系

Note:Other unknown or special specifications,please contact with Technology Department of our company



DHQ 防爆电动执行器系列
DHQ Series Explosion-proof Electric Actuator



性能参数 Performance Parameter

1. DHQ系列电动执行器 技术参数； DHQSeries electric actuator performance parameter

型号 Model	最大输出 扭矩 Max output torque	动作时间 60/50HZ Operating time 60/50Hz	最大轴径 Max bore size	电机F级 F-class Motor	额定电流(A)50HZ Rated Current(A)50HZ				手轮转速 Handwheel revolution	重量 Weight
					单相 single phase		三相 three phases			
	N · M	90°	mm	W	110V	220V	380V	440V	N	Kg
DHQ -010	100	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
DHQ -015	150	21/25	Φ22	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
DHQ -020	200	21/25	Φ22	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
DHQ -030	300	26/31	Φ35	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	22
DHQ -050	500	26/31	Φ35	90	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	13.5	23
DHQ -060	600	26/31	Φ35	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	13.5	23
DHQ -080	800	31/37	Φ45	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
DHQ -120	1200	31/37	Φ45	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	16.5	29
DHQ -200	2000	93/112	Φ65	180	4.10/4.10	2.152.20	0.85/0.85	0.79/0.79	49.5	75

2.标准规格 Standard technical parameter

外壳 Shell	防水级别IP67, NEMA4 and 6 Enclosure:IP68,NEMA4 and 6	
电机电源 Power	标准: 220V AC 单相 可选: 110V AC 单相, 380, 440V AC 3相, 50/60Hz, ± 10% 24V DC/110V DC/220V DC Standard:220V/AC single-phase Optional:110V AC single-phase,380V/440V 3phase,50/60HZ, ± 10% 24V DC/110V DC/220V DC	
电机 Motor	鼠笼式异步电机 Squirrel-cage Asynchronous Motor	
限位开关 Limit Switch	开/关, 各1个, SPDT,250V AC 10A Close/Open,each 1, SPDT,50V AC 10A	
辅助限位开关 Auxiliary Limit Switch	开/关, 各1个, SPDT,250V AC 10A Close/Open,each 1, SPDT,50V AC 10A	
扭矩开关 Torque switch	开/关, 各1个, SPDT,250V AC 10A Close/Open,each 1, SPDT,50V AC 10A	QT-010除外 Except QT-010
行程 Stroke	90° ± 10°	0° ~270° 可选
失速保护/操作温度 Stall protection/ Operating temperature	内置过热保护, 开115℃ ± 5℃/关97℃ ± 5℃ Built-in thermal protection, Open 115℃ ± 5℃/Close 97℃ ± 5℃	
指示器 Indicator	连续的位置指示刻度 Continuous position indicator	
手动操作 Manul operate	机械离合机构, 配手轮操作 Decutching mechanism,cooperate with handwheel	
自锁装置 Self-locking device	蜗轮, 蜗杆机构提供自锁 Self-locking by worm and worm gear	
机械限位 Mechanical Limit	2个外部调整螺栓 2 × external adjustable screws	
干燥器 Space heater	7-10W(110/220V AC)	
接线孔 Conduit entry	2个PF 3/4"	
环境温度 Ambient temperature	-20℃~+70℃	
润滑 Lubrication	钼基润滑脂 (EP 型) Grease moly(EP type)	
材料 Material	钢,铝合金,铝青铜, 聚碳酸酯 Steel,Aluminium alloy, Aluminium bronze,Polycarbonate	
环境湿度 Ambient humidity	最大90% RH Max 90% RH	非凝结 Non-Condensing
抗震性能 Anti-vibration	X Y Z 10g,0.2-34 Hz,30分 X Y Z 10g,0.2 ~ 34Hz,30 minutes	
外涂层 External coating	干粉, 环氧聚酯,具有超强的防腐能力 Dry powder, Epoxy polyester,high anti-corrosion	

3.可选规格 Option Specification

编 号 No.	可选配置 Option scheme
1	防爆执行器 (Exd II BT4,Exd II CT6) Explosion-proof Actuator(Exd II B T4, Exd II CT6)
2	防水执行器 (IP68, 10M,250HR) Water-proof Actuator(IP68, 10M 250HR)
3	电位计 (1K-10K) Potentiometer Unit(1K-10K)
4	比例控制单元 (输入, 输出信号4-20mA DC/1-5V/1-10V) Proportion Control Unit(input,output 4-20mA DC/1-5V/1-10V)
5	现场控制单元 (就地控制/开/停/关选择开关, 就地/远程切换) Local Control Unitss (local control/open/stop/close optional switch, local/remote switch)
6	行程 120° , 180° , 270° Stroke 120° ,180° ,270°
7	直流电机 (24V DC) Direct current motor(24V DC)
8	附加扭矩开关 (SPDT X2 250V AC 10A) Torque switch (SPDT X2 250V AC 10A)
9	电流位置传感器 (输出4-20MA DC) Electric current position transfer (Output 4-20MA DC)
10	断电后, 电动阀自动开或关控制柜 After cutting power,the electric valve can open or close to control automatically
11	耐高温执行器 (-10℃~+100℃) High temperature resistance actuator (-10℃ ~ +100℃)
12	耐低温执行器 (-40℃~+70℃) Low temperature resistance actuator (-40℃ ~ +70℃)
13	低速执行器 Low speed actuator

结构 Structure

电动执行器主要由以下几部分组成; Electric actuators is make up of the following parts

◇ 壳体部分: 包括外壳及底座部分

Shell:including shell and pedestal

◇ 驱动部分: 以高性能全封闭鼠笼式电机为动力源

Drive parts:Full sealing high-performance squirrel-cage motor for the power source

◇ 传动机构: 双蜗轮与离合器部分

Driving mechanism :Double worm and clutch

◇ 比例控制部分: 与机械部分分离, 提高可靠性

Ratio control parts:separate with the mechanical parts,easy to debug

◇ 力矩开关与限位开关部分

Torque switch and limit switch part

◇ 开度检测与反馈部分

Opening detected and feedback parts



<< 手动操作 (离合器系统) Manual operation (Clutching system)

- 手动/自动转换手柄和手轮用于手动操作
- 通电后, 手柄会自动复位转换成自动方式
- Manual/Auto convert to handle and handwheel used for emergency manual operation
- Powered, handle will automatically reset to auto operation

凸轮及限位开关 >> Cam and limit switch

- 由两个螺丝在上盖紧固, 设置简单
- 每个凸轮可单独设置
- 一旦设置完成, 每个凸轮会永远保持在此位置
- Tighten with two screws and simple setting
- Each cam can be set separately
- Once set, each cam will be on the position forever.

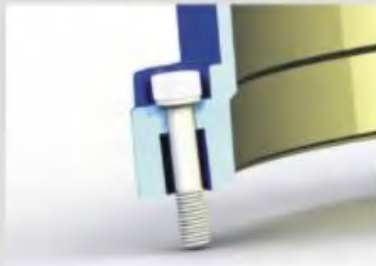


<< 加热器 Space heater

- 7-10W, 由陶瓷制成, 采用金属外壳散热快, 寿命长同时作为恒温调节器调节温度, 防止过热
- 没有漏电的危险
- 7-10W, ceramic housing with thermostat to prevent overheat comparing with set temperature
- Without risk of electricity leakage.

接线端子排 >> Terminal block

- 有足够的端子, 使用户使用方便, 最多为22个
- 能保证紧固, 可靠的电线连接
- 端子长度: 8-9mm (2.5mm²)
- 端子尺寸: 10 x 22 x 32mm
- Enough terminal for customer's convenience (Max 22 points)
- Proven reliability and tight wiring connection
- Terminal length: 8-9mm (2.5mm²)
- Terminal dimension: 10 x 22 x 32mm.



<< 防脱螺栓 Anti-off bolt

- 上盖螺栓为专门设计, 保养及安装时不会脱落
- 所有外部螺栓为不锈钢材质, 不会生锈
- Cover bolts are specially designed to prevent falling down during maintenance or installation.
- All external bolts are stainless steel for rust Prevention.

指示器由弹簧支撑 >> Indicator sustained by spring

- 指示器的方向在出厂前已设置好
- 如果想改变指示方向, 只需要扳住指示盘, 改变方向即可
- 指示盘下面的弹簧会保持设定位置不会改变
- 不需要放松或上紧螺钉
- Direction of indicator has been set by factory
- If change direction of indicator just grip the indicator plate to change it
- Spring under the indicator plate sustains the set position unchanged
- No need to loose screw and tight against at all.



<< 上盖与体的结合为斜面 Inclined plane

- 其他执行器由于上盖和体的结合面是垂直的, 这样由于此处的公差很小, 卸下上盖很不容易
- ERSQT执行器此处设计为3°的斜面, 解决了这个问题, 尽管公差依然很小, 但是卸下上盖就很容易了
- For other actuators, it is hard to take off cover because of little tolerance when the interface between cover and body is vertical.
- For ERSQT actuators, it is easy to take off cover as small tolerance, the design of interface is 3 degree inclined plane.

扭矩开关 >> Torque switch

- 扭矩开关可防止由于过载引起的电机及其他内部电子元件应过热对内部元件的损坏
- 一旦扭矩开关起作用, 执行器应立即停止动作
- Torque switch protect motor and internal electric components from overheat caused by overload of valve.
- If torque works, the actuator stop at once.

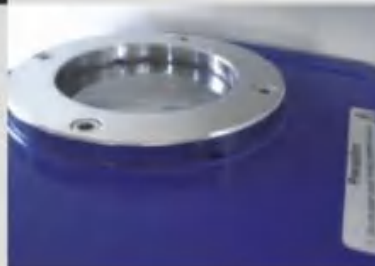


<< 可换驱动轴套 Removable drive sleeve

- 轴套是可换的, 且可根据不同的要求加工
- 四个悬耳用于驱动轴及轴套的紧密配合
- 和阀门的安装方便
- Sleeve is removable as different requirement
- 4 under hungs for tightening or loosening between drive shaft and sleeve.
- Easy installation with valve.

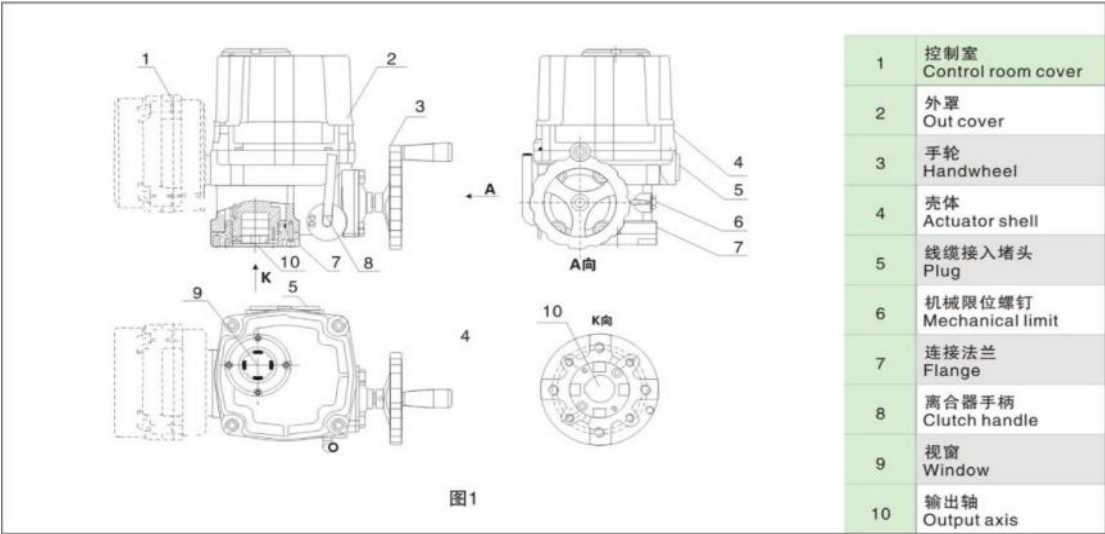
视窗上的两个小槽 >> Two slots on window glass

- 视窗盖上有两个小槽, 便于雨水排出, 且视为凸锁不积水, 更宜观察
- 流水视窗盖的雨水可能会影响视窗的密封
- 这样两个小槽就可防止上面的问题发生
- Two slots on the window covers and convex are convenient for draining and observing, and ensure the well sealing of the cover.

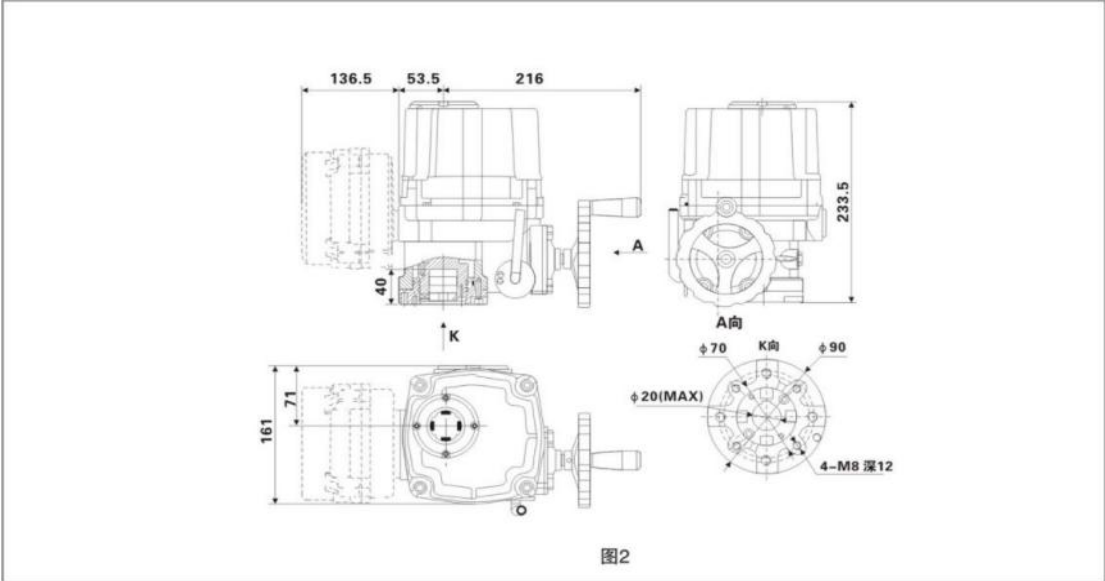


外观图 Outside view

虚线部分为模拟量控制盒，开关型无此尺寸
The part of borken line is used for analog quantity control box,on/off model don't have this size



DHQ-010外观及安装尺寸（虚线部分为模拟量控制盒，开关型无此尺寸）
DHQ-010 Appearance and installation dimension (The part of broken line is used for analog quantity control box,On-off model don't have this size)



DHQ-015~020 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)



DHQ-030~060 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)



DHQ-080~200外观及安装尺寸（虚线部分为模拟量控制盒，开关型无此尺寸）

DHQ-080~200 Appearance and installation dimension (The part of broken line is used for analog quantity control box, On-off model don't have this size)

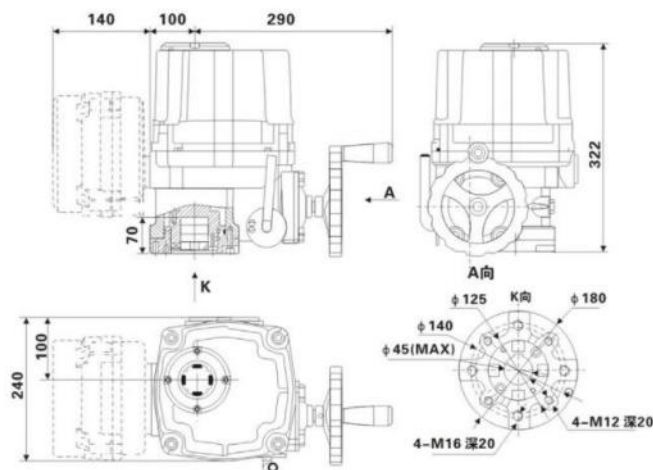


图5

线路图 Circuit Diagram

DHQ-010 110/220VAC/50/60HZ,1Ph(标准开关型)

DHQ-010 110/220VAC/50/60HZ,1Ph(010 on/off model)

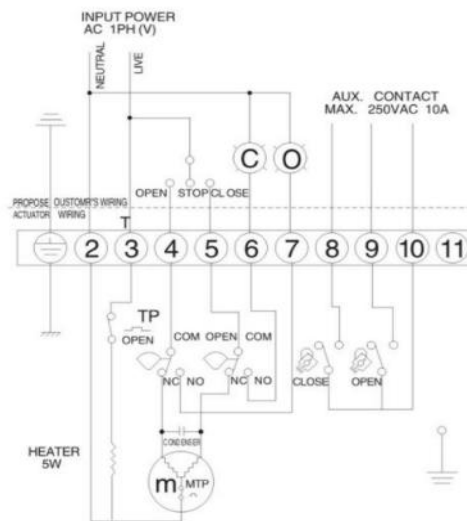
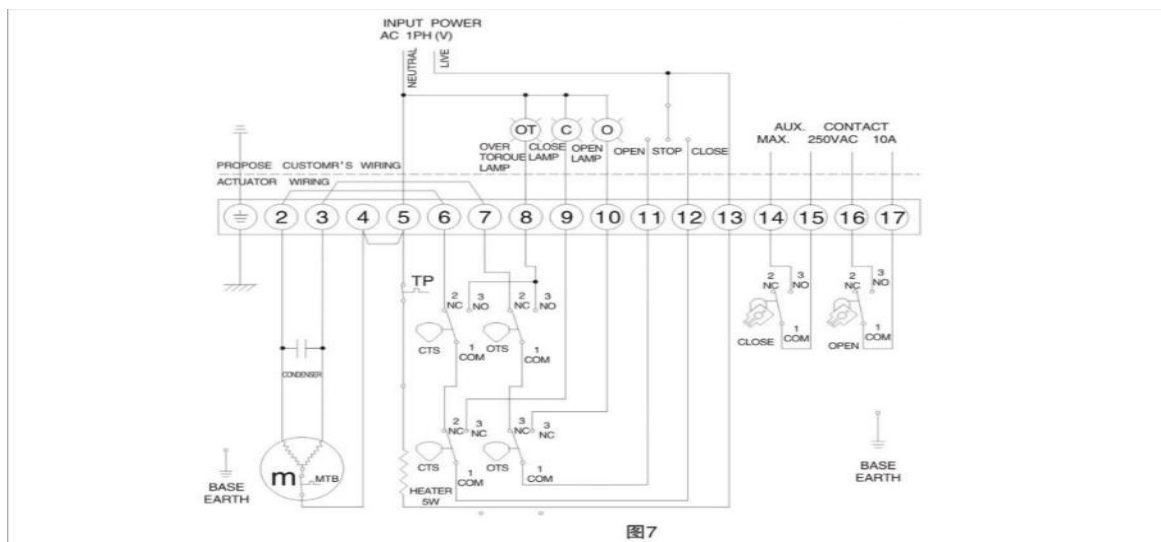


图6

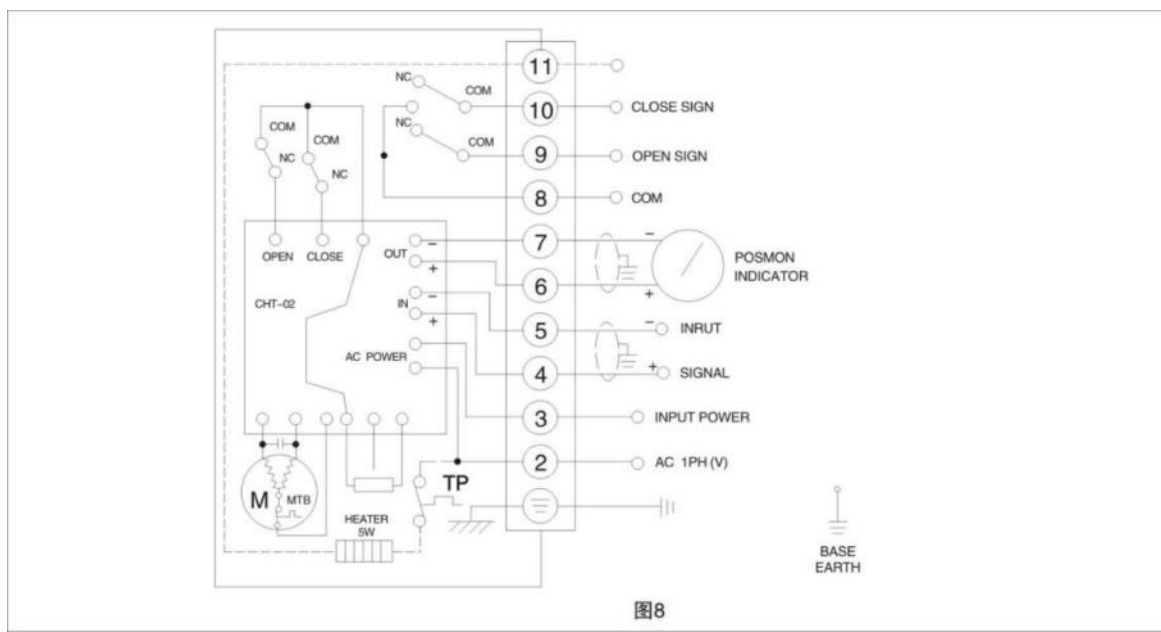
DHQ-015~200 110/220VAC/50/60HZ,1Ph(标准开关型)

DHQ-015~200 110/220VAC/50/60HZ,1Ph(010 on/off model)



DHQ-010模拟量无源触点信号输出线路图

DHQ-010 110/220VAC/50/60HZ,1Ph(010 modulating model)



DHQ-015~200 110/220VAC/50/60HZ,1Ph(调节带过力矩保护型)
DHQ-015~200 110/220VAC/50/60HZ,1Ph(Standard modulating mode)

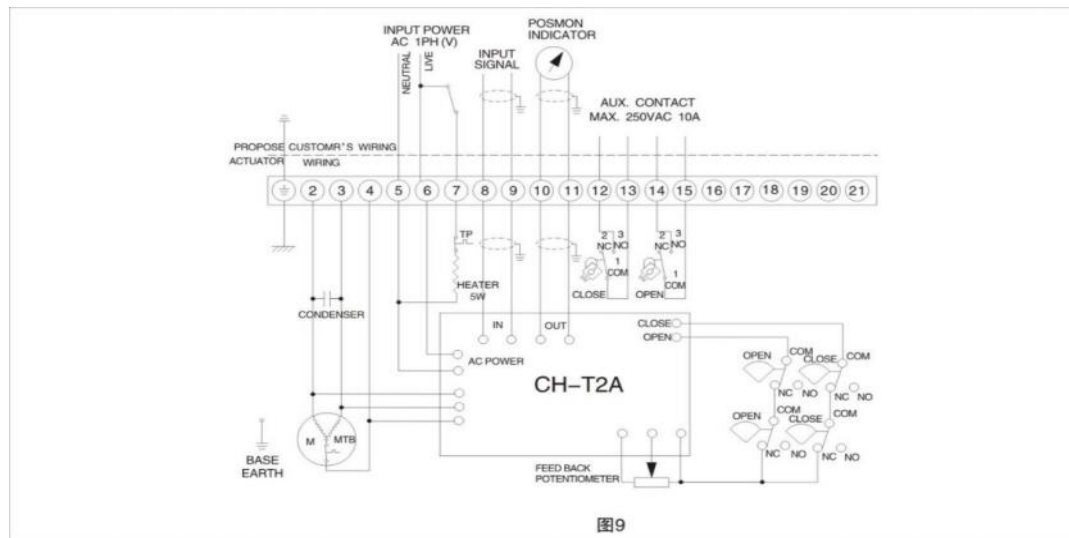


图9

DHQ-015~200 380V/440VA/50/60HZ,3相 (外置标准型)
DHQ-015~200 380V/440VA/50/60HZ,3Ph(External standard on/off model)

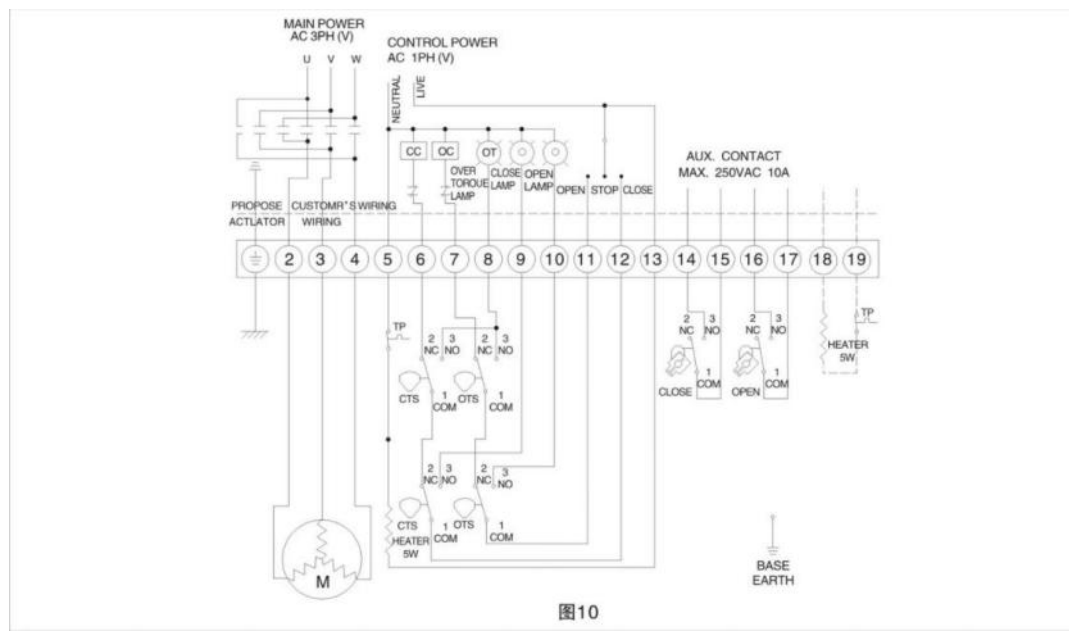


图10

DHQ-015~200 110/220VAC/50/60HZ,1Ph(现场控制开关型)
DHQ-015~200 110/220VAC/50/60HZ,1Ph(Intelligent on/off model)

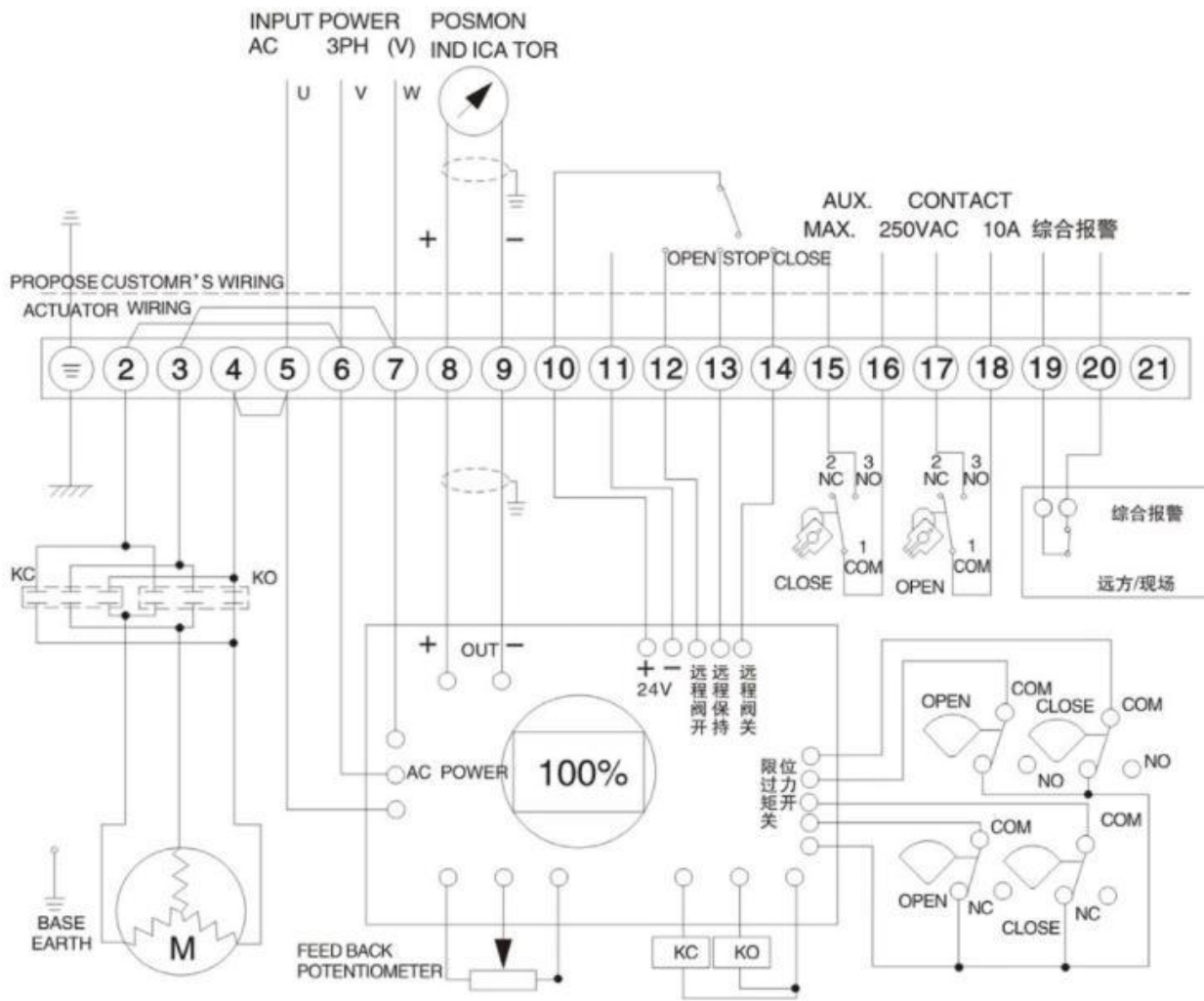


图11

▶ **电动球阀系列**
Electric ball valve



Q971F电动调节对夹球阀
Electric Thin Type Ball Valve



Q911F电动二片式球阀
Electric 2PC Ball Valve



Q941F电动法兰球阀
Electric Flange Ball Valve



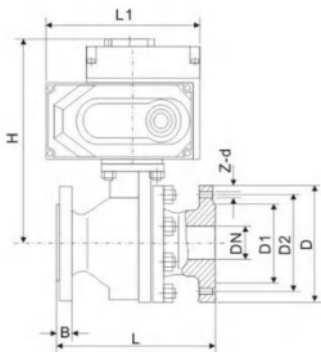
Q981F电动真空球阀
Electric vacuum valve



VO940H电动防爆球阀
Electric Explosion-proof Ball Valve



Q944F电动三通防爆球阀
Electric Explosion-proof Three Way Ball Valve



产品概述 Product overview

电动球阀是一种转角90° 的旋转类球阀，密封性能优良，流通能力大，流阻系数小，结构简单、维修方便、使用寿命长，阀体通道和连接管径相等并成一直径，介质几个可以毫无损失的流过。配用SDV、DHQ 等高性能执行机构，产品通常用于密封要求严格的场合，除控制气体、液体、蒸汽介质外，还适宜控制污水和含有纤维性杂质的介质，广泛用于石油、化工、冶金、轻工、造纸、电站、制冷等工作领域

产品特点 Product features

- 1.流体阻力小、球阀是所有阀类中流体阻力最小的一种，即使是缩径球阀，其流体阻力也相当小
- 2.止推轴承减小阀杆摩擦力矩，可使用阀杆长期操作平衡灵活
- 3.阀座密封性能好，采用聚四氟乙烯等材料制成的密封圈，结构易于密封，而且球阀的阀封能力随着介质的压力的增大而增大
- 4.阀杆密封可靠，由于阀杆只作旋转运动而不做升降运动，阀杆的填料密封不易破坏，且密封能力随着介质的压力增设而增大
- 5.由于聚四氟乙烯材料具有良好的自润滑性，与球体的摩擦损失小，帮球阀的使用寿命长
- 6.下装式阀杆和阀杆头部凸阶防止阀杆喷出，如火灾造成阀杆密封破坏，凸阶与阀体间还可以形成金属接触，确保阀杆密封

主要连接尺寸 Main connection dimensions

公称直径 DN(mm)	尺寸(mm)							
	L	D	D2	D1	B	H	L1	Z-d
15	130	95	65	45	14	176	161	4-14
20	140	105	75	55	14	180	161	4-14
25	150	115	85	65	14	182	161	4-14
32	165	135	100	78	16	188	161	4-18
40	180	145	110	85	16	198	161	4-18
50	200	160	125	100	16	203	161	4-18
65	200	180	145	120	18	222	188	4-18
80	250	195	160	135	20	237	188	8-18
100	280	215	180	155	20	281	268	8-18
125	320	245	210	185	22	300	268	8-18
150	360	280	240	210	24	300	268	8-23
200	400	335	295	265	26	368	268	12-23
250	533	405	335	320	30	418	268	12-25

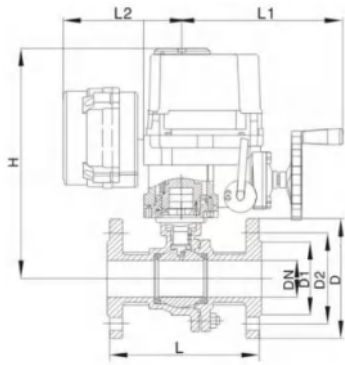
阀门技术参数 Valve technical parameters

公称通径DN	DN15~DN400(mm)
公称压力	1.0、1.6、2.5、4.0、6.4MPa
适用介质	水、石油、硝酸类、醋酸类、粘性流体、浆料、强氧化性介质等
介质温度	-40℃~+180℃ -40℃~+350℃
泄漏量	0符合ANSIB16.104 5级标准
球体转角	90°
阀体材质	A105、F304、F316、WCB、FZG1Cr18Ni9Ti、ZG1Cr18Ni12Mo2Ti、CF8、CF8M、CF3M
阀座材料	聚四氟乙烯(常温)、特制PPL(高温)、金属密封(高温)

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



虚线部分为模拟量控制盒，
开关型无此尺寸

产品概述 Product overview

电动防爆球阀式一种球体绕垂直于通道轴旋转90°的阀门，其由回转型防爆角行程电动执行器和O型阀结构组成，属旋转类型高性能调节或开关阀类，接受工业自动化控制（DCS、PLC系统）仪表来源的电流信号或电压信号的输入输出，可实现对工艺管路中流体介质的比例调节或二位开关控制，从而达到对流体介质的流量、压力、温度、液位等参数的自动化控制

产品特点 Product features

- 1.防爆型电动球阀流体阻力小，是所有阀类中流体阻力最小的一种，以AC220V、AC380V或DC24V电源电压作动力，接受（4-20mA、0-10mA或1-5VDC）电流信号或电压信号，即可控制运转，以角行程输出的扭矩转动球体0~90°，就能完成启闭动作或调节动作
- 2.全电子式电动执行机构，采用机电一体化结构，具有机内伺服操作和开度信号位置反馈、位置指示、手动操作等功能，功能强、性能可靠、连线简单，通过输入电流信号或电压信号，改变球芯的旋转角度（0-90°任意角度），实现比例调节动作
- 3.球芯通道平整光滑，不易沉积介质，可进行管线式通球。结构简单、重量轻、密封性能好。特别适用于要求零泄漏率的场合

主要连接尺寸 Main connection dimensions

公称通径DN (mm)	尺寸 (mm)							
	L	D	D2	D1	L2	H	L1	Z-d
15	130	95	65	45	136.5	284	216	4-14
20	140	105	75	55	136.5	284	216	4-14
25	150	115	85	65	136.5	284	216	4-14
32	165	135	100	78	136.5	284	216	4-18
40	180	145	110	85	136.5	284	216	4-18
50	200	160	125	100	136.5	284	216	4-18
65	220	180	145	120	136.5	328	216	4-18
80	250	195	160	135	140	380	270	8-18
100	280	215	180	155	140	387	270	8-18
125	320	245	210	185	140	426	276	8-18
150	360	280	240	210	140	458	290	8-23
200	400	335	295	265	140	698	290	12-23
250	433	405	335	320	140	780	290	12-25

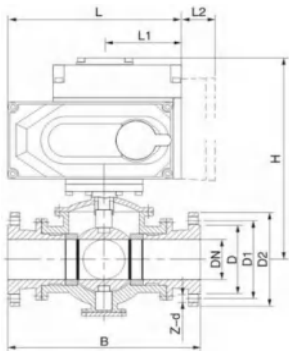
阀门技术参数 Valve technical parameters

公称通径DN	DN15~DN400(mm)
公称压力	1.0、1.6、2.5、4.0、6.4MPa
适用介质	水、石油、硝酸类、醋酸类、粘性流体、浆料、强氧化性介质等
介质温度	-40℃~+180℃ -40℃~+350℃
泄漏量	0符合ANSIB16.104 5级标准
球体转角	90°
阀体材质	A105、F304、F316、WCB、FZG1Cr18Ni9Ti、ZG1Cr18Ni12Mo2Ti、CF8、CF8M、CF3M
阀座材料	聚四氟乙烯(常温)、特制PPL(高温)、金属密封(高温)

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



虚线部分为模拟量控制盒，开关型无此尺寸

产品特点 Product features

电动三通球阀采用SDV或DHQ 型、回转式角行程电动执行机构，以AC220V、AC380V或DC24V电源电压作动力，接受工业自动化仪表控制系统输入的(4-20mA)电流信号或电压信号，即可控制运转，实现对工艺介质的比例调整或二位切换控制。三通球阀是综合国内外先进技术而开发的新型三通切换型调节阀。标准球芯有L型三通双口孔种，改变球芯与管道的相对角度，可以对三支管道流体实现不同的组合控制；T型孔道可起配比作用，适用于液体、气体、蒸汽等介质的配比调节与控制

阀门技术参数 Valve technical parameters

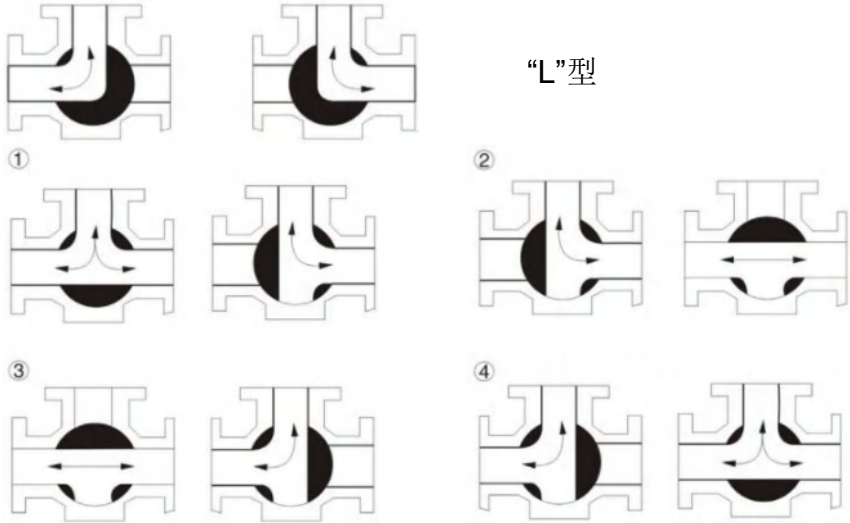
- 三通球阀有两座和四座密封结构，阀芯孔道有L型和T型两种结构形式，采用控制阀芯旋转角度，改变阀芯孔道与管道口的连接状态，可实现对三条支管不同的组合控制。三通球阀流通能力大，可控制气体、液体、蒸汽，更适用于控制高粘度，纤维颗粒状的流体。也适用于密封要求较严格的场合
- 两阀座密封三通球阀具有结构紧凑、外观美观、密封性能好，它实现对管道中介质流向的切换。也能使相互垂直的两个通道连通或关闭
- 四阀座密封三通球阀具有造型美观、结构紧凑合理，它不仅可实现介质流向的切换，也可使三个通道相互连通，同时可关闭任意一个通道，使另外两个通道连通，灵活控制管路使介质的合流或分流
- T型阀芯孔道可使三条正交的管道互相连通或切换，起分流合流作用；L型孔道连接相互正交的两管道。使另一条孔道切断，起改变介质流向作用

阀门技术参数 Valve technical parameters

形式	T型、L型三通球阀	
公称通径DN (mm)	DN15 ~ DN300	
公称压力	1.6、2.5、4.0、6.4MPa	
流体范围	空气、水、气体、石油和石化产品、腐蚀性介质	
工作温度	硬密封：-40℃ ~ +300℃	
	软密封：-40℃ ~ +180℃	
泄漏量	0符合ANSIB16.104 5级标准	
主要材质	阀体	(1)WCB (2)304 (3)316 (4)316L
	阀芯	(1)304 (2)316 (3)316L
阀座形式	不锈钢密封、硬质合金密封、PTFE软密封	
表面处理	抛光	

工作形式 Working form

L型流道的三通4面阀座球阀，采用2面阀座，受力平衡，保证闭止通道的可靠密封。主要用于流路的换向
T型流道的三通4面阀座球阀，采用4面阀座，受力平衡，保证闭止通道的可靠密封。主要用于分流、混流、换向以及三通道的完全开放



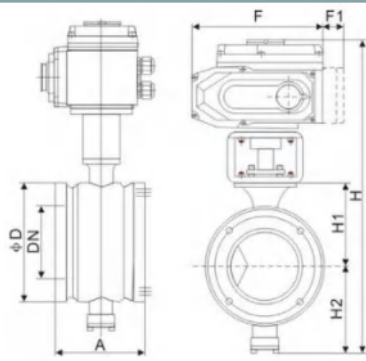
主要连接尺寸 Main connection dimensions

公称压力 PN	公称口径 DN	尺寸(mm)							
		L	L2	B	D1	D2	H	Z-do	T
1.6MPa	15	161	40	150	65	95	142.5	4-14	14
	20	161	40	160	75	105	148.0	4-14	14
	25	161	40	180	85	115	170.5	4-14	14
	32	161	40	200	100	135	177.5	4-18	16
	40	188	40	220	110	145	203.5	4-18	16
	50	188	40	240	125	160	209.0	4-18	16
	65	188	40	260	145	180	235.5	4-18	18
	80	268	40	280	160	195	271.5	8-18	20
	100	268	40	320	180	215	366.0	8-18	20

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



产品概述 Product overview

电动V型调节球阀，配用SDV或DHQ 执行机构，无需另配伺服放大器，输入（4-20mADC或1-5VDC）信号及单项电源即可控制运转，实现对压力、流量、温度、液位等参数的调节。阀芯上开有V型切口，与硬密封阀座相对转动产生剪切力，可将纤维切断。防止卡死。具有流通力，调节精度高，可调比大，密封性好，重量轻等特点。适用于小口径，角型、三通连接外的大部分场合，是替代进口产品最佳产品，特别适用于泥浆和含有纤维性介质，以及含有微小固体悬浮物介质的调节。广泛用于造纸业、制糖、石油、冶金等工业自动控制系统中。

虚线部分为模拟量控制盒，开关型无此尺寸

产品特点 Product features

- 1.引进德国技术设计结构简单、重量轻、材料成本低，比同样流通能力的直行程调节阀更经济
- 2.不带任何管接头的整体式阀体，因此不受管道或螺栓应力影响，并且由于阀体无任何管接头。故耐压壳体不会受压力“突变”的影响
- 3.防漏耐用的阀座在其外径处衬有带不锈钢内芯PTFE杯形或是O型密封圈，阀座用截面较大的钨钴硬密封合金制成，通过一个合金的波纹弹簧进一步增强了阀座的结构
- 4.具有一个V型阀体，即使在小流量或高粘度介质的情况下，也可在整个量程范围内，保证控制的精确性
- 5.当阀门关闭时，V型缺口与阀座之间产生楔形剪切作用，并具有自洁功能又可防止球芯卡死，特别适用于管线结垢冻结、含纤维的流体、料浆类流体、高粘度流体，含聚合物、颗粒物、结晶体等流体控制场合

阀门技术参数 Valve technical parameters

公称通径DN(mm)		25-400			
公称压力PN(MPa)		1.6-6.4			
公称压力 PN(MPa)	强度试验	2.4-9.6			
	密封试验	1.76-7.0			
材料/代号		C	P	R	
主要 零件	阀体	WCB	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	
	球杆	2Cr13	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	
	阀杆	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	
	密封圈	聚四氟乙烯、不锈钢、硬质合金			
	填料	聚四氟乙烯、柔性石墨			
适用 工况	适用介质	水，蒸汽，油品		硝酸类	醋酸类
	适用温度	-25℃~+400℃		-28℃~+500℃	
连接形式		对夹式、法兰式、法兰按JB79-59标准			

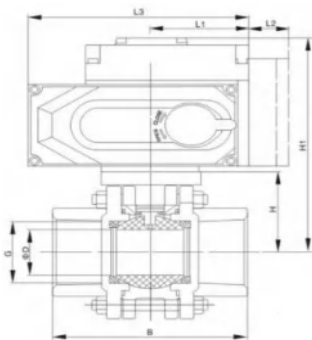
主要连接尺寸 Main connection dimensions

公称通径 DN	尺寸(mm)						
	A	ΦD	H1	H2	H	F	F1
15	62	Φ64	74	75	390	161	40
20	62	Φ64	74	75	390	161	40
25	62	Φ64	74	75	390	161	40
32	62	Φ78	80	75	400	188	40
40	62	Φ82	85	75	405	188	40
50	75	Φ100	87	95	430	188	40
65	80	Φ120	105	115	460	188	40
80	100	Φ131	115	125	520	268	40
100	115	Φ158	125	125	530	268	40
125	130	Φ180	140	155	570	268	40
150	160	Φ216	153	165	600	268	40
200	200	Φ268	200	195	680	268	40
250	240	Φ325	225	225	730	268	40

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



产品概述 Product overview

电动三片式球阀采用一体化结构，与SDV或DHQ 电动执行机构相配，有输入控制信号（4-20mADC或1-5VDC）及单相电源即可控制运转，具有功能强、体积小、轻易易人、性能可能、配套简单、流通能力大、特别适合于介质式粘稠，含颗粒，纤维性质的场合。目前该阀广泛应用于食品、环保、轻工、石油、造纸、化工、教学和科研设备、电力等行业的工业自动控制系统中

虚线部分为模拟量控制盒，开关型无此尺寸

产品特点 Product features

内螺纹连接球阀及对焊连接球阀分为整体式（一片式）、两段式及三段式。阀门铸造采用台湾引进的先进工艺，结构合理、造型美观。阀座采用弹性密封结构，密封可靠，启闭轻松。阀杆采用有倒密封的下装式结构，阀腔异常升压时，阀杆不会被冲出。二片式、三片式球阀连接形式另有对焊（BW）承插焊（SW），并均可带国际标准ISO5211支架平台和锁定装置。可设置90° 开关定位机构，根据需要加锁以防止误操

阀门技术参数 Valve technical parameters

公称通径		DN10~100mm			公称压力		PN1.6 2.5 4.0 6.4 31.5MPa(定制)	
连接方式		内螺纹连接			对焊连接			
零件名称	阀体阀盖	WCB	CF8(304)	CF8M(316)	WCB	CF8(304)	CF8M(316)	
	球体、阀杆	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2	2Cr13	0Cr19Ni9	0Cr17Ni12Mo2	
	密封圈、填料	增强聚四氟乙烯、对位聚苯						
适用工况	适用介质	水、蒸汽、油品等	硝酸等腐蚀性介质	醋酸等腐蚀性介质	水、蒸汽、油品等	硝酸等腐蚀性介质	醋酸等腐蚀性介质	
	使用温度	-29℃~-+180℃(增强聚四氟乙烯)、-29℃~-+300℃（对位聚苯）						

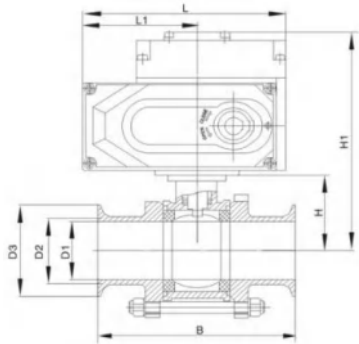
主要连接尺寸 Main connection dimensions

G	ΦD	B	H1	H	L1	L2	L3
1/4"	11.2	60	148	42	50	40	123
3/8"	12.5	60	148	42	50	40	123
1/2"	15	72	148	42	50	40	123
3/4"	20	82	148	48.5	50	40	123
1"	25	90	164	58.5	50	40	123
1-1/4"	32	112	184	63	65	40	160
1-1/2"	38	120	195	71	65	40	160
2"	50	145	197.1	78	82	40	189
2-1/2"	65	185	222.5	100	82	40	189
3"	76	210	233	109	82	40	189
4"	100	268	241	140	116	40	266

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



产品概述 Product overview

SDV或DHQ 系列卫生级球阀，皆经过了精密的检验流程和严格的品质管理，流道经过精密抛光和除菌处理，采用了全包装的4F密封，没有死角且容易清洗。执行器与球阀连接无需支架，减少了因安装连接引起的质量问题，同时也为厂区密密麻麻的设备节约了空间

虚线部分为模拟量控制盒，开关型无此尺寸

产品特点 Product features

- 1.采用不锈钢精制而成
- 2.流道内壁240Grit抛光，保持流体畅通无阻
- 3.采用全包PTFE没有死角，保证卫生
- 4.无支架与执行器一体式连接

阀门连接尺寸 The valve connection dimensions

规格	D1	D2	D3	H1	H	L	L1
1/2	10.70	27.50	34.00	148	35	123	74
3/4	15.20	27.50	34.00	162	39	123	74
1	22.60	43.50	50.50	163.50	50.50	160	89
1-1/4	31.30	43.50	50.50	171.50	50.50	160	89
1-1/2	35.60	43.50	50.50	187.00	66.00	189	107
2	48.60	56.50	64.00	187.1	66.00	189	107
2-1/2	60.30	70.50	75.50	222.00	93.00	189	107
3	72.90	83.00	91.00	233	104.00	189	152
4	97.40	110.50	119.00	276	112.00	226	152

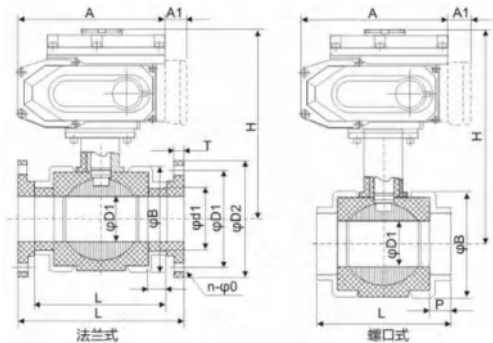
阀门技术参数 Valve technical parameters

空气驱动	压缩空气4-6bar (可带手轮)
公称通径	15 ~ 100mm
公称压力	1.6-6.3MPa
适用温度	-20℃ ~ +200℃
连接方式	对焊、卡箍
阀结构	三块式
阀体材质	316L、316、304
阀芯材质	316L、316、304
密封材质	PTFE
适用材质	卫生级别工矿适用

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



产品概述 Product overview

PVC电动球阀采用双由令、法兰连接，不须使用特殊工具即可快速装配。具有结构紧凑、耐磨损、容易拆卸、方便检修、维护简单易行等优点。阀体材质卫生无毒、耐腐蚀性强、重量轻、应用范围广。例如：纯水和生饮水的管路系统、排水和污水管路系统、盐水和海水管路系统、酸碱和化学溶液系统等多个行业

产品特点 Product features

- 1.适用于温度范围广：-40℃~+95℃
- 2.具有极佳的强度和韧性
- 3.具有优良的耐化学腐蚀性能
- 4.阻燃性能为自熄
- 5.低热传导性能，约为钢材的1/200
- 6.介质中重离子含量超纯水标准
- 7.卫生指标符合国家卫生标准要求
- 8.管壁平洁光滑，输送流体时具有较小的摩擦力和附着力
- 9.重量轻，相当于钢管1/5，铜管1/6
- 10.安装方便，可采用法兰、螺纹、由令等方式连接
- 11.优异的耐老化和抗紫外线性能，使正常使用寿命比其他管道系统均有很大的延长

阀门技术参数 Valve technical parameters

公称通径	15-100mm
连接方式	法兰、螺纹、由令
阀结构	一体、三通L、三通T
阀体材料	UPVC(-10℃~+70℃)、CPVC(-40℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
阀芯材料	UPVC(-10℃~+70℃)、CPVC(-40℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
密封材料	PTFE、EPDM、NBR
适用介质	PVC兼容的食品工业化学溶剂
可选电动执行器	SDV 或 DHQ 系列

阀门连接尺寸及重量 Valve connecting dimensions and weights

公称通径 DN(mm)	D1	D2	D3	e	n	p	H	H1	A	J	T	工作压力 (MPa)
15	15	65	95	14	4	16.0	151.6	40	161	66	15	1.0
20	19	75	105	14	4	18.5	157.7	40	161	66	15	1.0
25	25	85	115	14	4	22.0	162.0	40	161	66	16	1.0
32	38	100	140	18	4	26.0	197.7	55	161	73	16	1.0
40	38	110	150	18	4	31.0	197.7	55	161	73	16	1.0
50	50	120	165	18	4	37.5	225.3	55	161	85	20	1.0
65	65	145	85	18	4	43.5	278.2	68	161	110	20	1.0
80	78	160	200	18	8	51.0	307.7	85	161	110	2	1.0
100	100	180	220	18	8	61.0	362.0	90	188	140	22	1.0

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！

 电动蝶阀系列
Electric Butterfly Valve



D971F4 电动防爆衬氟蝶阀
Electric Explosion-proof
Butterfly Valve



D943H 电动调节法兰蝶阀
Electric regulating Flange Butterfly Valve



D971N 电动环保持蝶阀
Electric Air Soft Seal Butterfly Valve



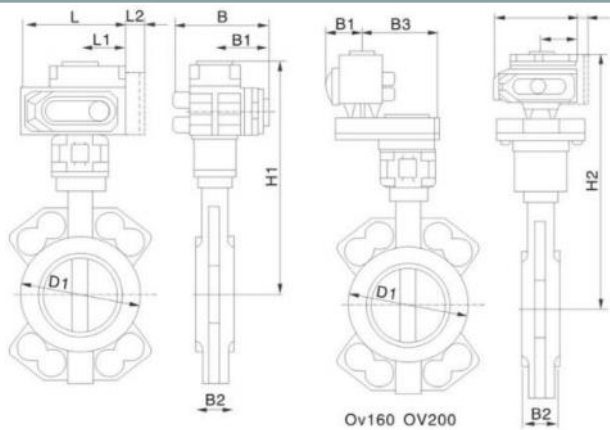
BL2FD 电动粉体蝶阀
Electric Powder Butterfly Valve



D971X 电动防爆PVC蝶阀
Electric Explosion-proof
PVC Butterfly Valve



D971X 电动耐腐蝶阀
Electric Buttery Valve



虚线部分为模拟量控制盒，开关型无此尺寸

产品概述 Product overview

电动中线蝶阀是由蝶阀与SDV或DHQ 系列执行器机构配套，输入控制信号（4~20mA或1~5VDC）及单相电源即可控制运转，电动蝶阀具有功能强、体积小、轻便宜人，性能可靠、配套简单、流通能力大，电动蝶阀特别适合于介质是粘稠、含颗粒、纤维性质的场合。目前该电动调节蝶阀广泛应用于食品、环保、轻工、石油、造纸、化工、教学和科研设备、电力等行业的工业自动控制系统中

阀体 Valve body

- 公称通径：50-400mm
- 公称压力：PN1.0,1.6,2.5MPA
- 连接形式：法兰连接
- 材料：HT200 ZG251 ZG1Cr18Ni9 ZG0Cr17Ni12Mo2衬四氟
- 介质温度：常温型：-20℃~+200℃ 散热型：-40° ~+450℃
- 适用介质：淡水、海水、食品、天然气、醇类、盐类、酸、碱、油、蒸汽、空气等

密封副适用介质，温度推荐表 Application of medium temperature sealing,recommendation form

密封副材质		适用温度	介质类型及适用程度												突出特性	
			淡水	海水	盐类	强碱	弱碱	强酸	弱酸	天然气	醇类	空气	蒸汽	油类		食品
阀座	丁腈	-12℃ ~ +85℃	A	A	A	B	A	D	B	A	C	A	D	A	B	耐油
	三元乙丙	-35℃ ~ +135℃	A	A	A	A	A	C	A	B	B	A	A	C	A	耐老化
	耐腐蚀三元乙丙	-35℃ ~ +160℃	A	A	A	A	A	A	A	B	B	A	A	C	A	耐腐蚀、耐老化
	氟橡胶	-23℃ ~ +135℃	A	A	A	C	A	C	A	A	C	A	A	A	A	耐高温、耐腐蚀
	聚四氟乙烯	-10℃ ~ +150℃	A	A	A	A	A	A	A	A	A	A	A	A	A	耐腐蚀、耐高温
蝶板	球铁电镀	-30℃ ~ +350℃	B	D	C	D	C	D	C	B	A	B	A	A	C	耐热
	球铁尼龙覆层	-30℃ ~ +100℃	A	A	A	A	A	D	A	A	C	A	D	A	A	抗蚀、耐磨、减摩
	铝青铜	-273℃ ~ +232℃	A	B	C	D	C	D	B	A	A	A	A	A	C	耐热、耐腐蚀
	不锈钢	-273℃ ~ +316℃	A	B	C	C	B	C	A	A	A	A	A	A	A	耐高温、耐腐蚀

A非常适用
B适用
C有限适用
D不适用

阀内组件可选材料 The inner valve assembly optional material

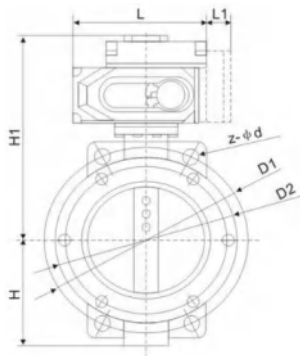
主要零部件	材 质	适用规格	主要零部件	材 质	适用规格
阀体	球墨铸铁	50mm ~ 300mm	阀杆	不锈钢416	50mm ~ 300mm
	灰铸铁	50mm ~ 300mm		不锈钢316	50mm ~ 300mm
	铸钢	50mm ~ 300mm		不锈钢304	50mm ~ 300mm
	不锈钢	50mm ~ 300mm		碳钢镀镍磷	50mm ~ 300mm
阀板	不锈钢CF8	50mm ~ 300mm	阀座	丁腈橡胶NBR	50mm ~ 300mm
	不锈钢CF8M	50mm ~ 300mm		乙丙橡胶EPDM	50mm ~ 300mm
	球墨铸铁镀镍磷	50mm ~ 300mm		氟橡胶VITON	50mm ~ 300mm
	球墨铸铁覆尼龙	50mm ~ 300mm		硅橡胶SEP	50mm ~ 300mm
	铝青铜	50mm ~ 300mm		耐热EPDM	50mm ~ 300mm
				耐磨EPDM	50mm ~ 300mm

主要连接尺寸 Main connection dimensions

通径	L	L1	L2	B	B1	B2	H2	D1
50	161	71.5	40	120.5	62	42.6	297	92
65	161	71.5	40	120.5	62	45.6	310	106
80	161	71.5	40	120.5	62	45.6	331	122
100	188	71.5	40	120.5	62	51.6	348	150
125	268	81	40	165	75	55.6	428	177
150	268	117	40	268	119	55.6	447	204
200	268	117	40	268	119	59.6	481	260
250	268	117	40	268	119	67.6	520	314
300	268	117	40	268	119	77.6	548	370
350	268	117	40	268	119	79	583	422
400	268	117	40	268	119	105	615	473

电动执行机构 Electric actuator
参照SDV或DHQ 系列角行程电动执行器
技术参数

注：以上选配参数仅供参考，具体以实际
情况为准



产品概述 Product overview

采用精密的U形弹性密封圈和三偏心多层次金属硬密封结构，被广泛用于介质温度 $\leq 425^{\circ}\text{C}$ 的冶金、电力、石油化工、以及给排水和市政建设等工业管道上，作调节流量和截断流体使用。该阀采用三偏心结构，阀座与碟板密封面均采用铸钢和不锈钢制作，具有良好的耐腐蚀性，使用寿命长，本阀均有双向密封功能，产品符合国家GB/T13927-92标准

产品特点 Product features

- 1.本阀采用三偏心密封结构，阀座与碟板几乎无磨损。具有越关越紧的密封功能
- 2.密封圈选用不锈钢制作，具有金属硬密封和弹性密封的双重优点，无论在低温和高温的情况下，均具有优良的密封性能，具有耐腐蚀，使用寿命长等特点
- 3.碟板密封面采用堆焊钴基硬质合金，密封面耐磨损，使用寿命长
- 4.本阀具有双向密封功能，安装时不受介质流向的限制，也不受空间位置的影响，可在任何方向安装
- 5.驱动装置可以多工位（旋转 90° 或 180° ）安装，便于用户使用

主要连接尺寸 Main connection dimensions

公称通径		外形尺寸(参考值)			连接尺寸(参考值)					
					PN1.0MPa			PN1.6MPa		
毫米	英寸	L	H1	H	D2	D1	Z-Φd	D2	D1	Z-Φd
50	2	161	215	85	82	125	4-18	82	125	4-18
65	2 1/2	188	280	90	95	145	4-18	95	145	4-18
80	3	188	285	100	108	160	4-18	108	160	4-18
100	4	268	310	120	125	180	4-18	125	180	4-18
125	5	268	310	130	138	210	4-18	138	210	4-18
150	6	268	315	160	198	240	4-22	198	240	4-22
200	8	268	380	210	236	295	4-22	236	295	4-22
250	10	268	460	250	276	355	4-22	276	355	4-26
300	12	268	475	250	300	410	4-22	308	410	4-26
350	14	268	510	320	332	470	4-22	340	470	4-26

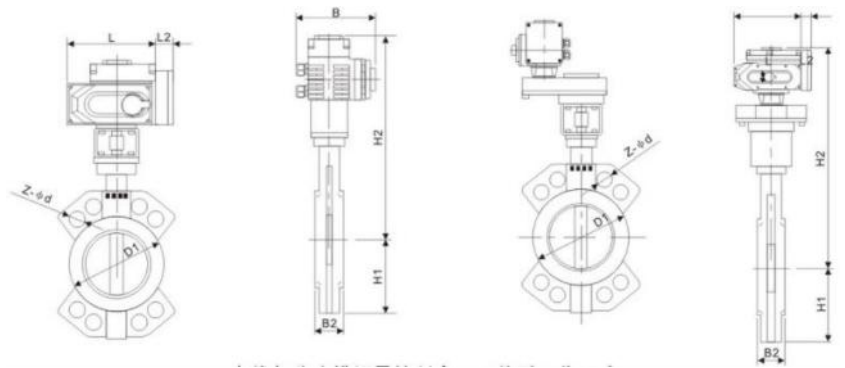
阀门技术参数 Valve technical parameters

公称通径 DN(mm)		50-600		
公称压力 PN(MPa)		1.0	1.6	
公称压力 PS(MPa)	强度试验	1.5	2.4	
	密封试验	1.1	4.76	
材料/材料代号		C	P	R
主要零件	阀体	WCB	ZG1Cr18 Ni9Ti	ZG0Cr18 Ni12Mo2Ti
	蝶板	WCB	ZG1Cr18 Ni9Ti	ZG0Cr18 Ni12Mo2Ti
	阀杆	2Cr13	1Cr18 Ni9Ti	0Cr18 Ni12Mo2Ti
	密封圈	四氟 不锈钢		
适用工况	填料	四氟 柔性石墨		
	适用介质	水、蒸汽、油品	硝酸类	醋酸类
	适用温度	适用温度碳钢: $-29^{\circ}\text{C} \sim +425^{\circ}\text{C}$ 不锈钢 $-40^{\circ}\text{C} \sim +600^{\circ}\text{C}$		

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



虚线部分为模拟量控制盒
开关型无此尺寸

产品概述 Product overview

电动衬氟调节蝶阀有开关型和智能型两种，蝶阀与SDV或DHQ
电动执行机构配套，输入控制信号（4~20mADC或1~5VDC）及单
项电源即可控制运转，具有功能强、体积小、轻便宜人，性能可靠、
配套简单、流通能力强，特别是适合于介质粘稠、含颗粒、纤维性
质的场合。目前该阀门广泛应用于食品、环保、轻工、石油、造纸、
化工、教学和科研设备、电力等行业的工具自动控制系统中

产品特点 Product features

- 1.本阀采用双偏心结构，具有越关越紧的密封功能，密封性可靠
- 2.密封副材料选用不锈钢和丁腈耐油配对，使用寿命长
- 3.四氟密封即可拉于阀体上，也可位于碟板上，可适用不同特点的简直，供用户选择
- 4.碟板采用框架结构，强度高，过流面积大，流阻小
- 5.整体烤漆、能有效地防止锈蚀且要更换密封阀座密封材料，就可使用于不同介质
- 6.本阀具有双向密封功能，安装时不受介质流向的控制，也不受空间位置的影响，可在任
何方向安装
- 7.本阀结构独特，操作灵活，省力，方便

主要结构参数 The main structure parameters

公称通径 DN(mm)	50~500		50~500
公称压力 PN(MPa)	0.6	1.0	1.6
密封试验 (MPa)	0.66	1.1	1.76
强度试验 (MPa)	0.9	1.5	2.4
适用温度	丁腈橡胶：-40℃~+90℃ 氟橡胶：-20℃~+200℃		
适用介质	水、空气、天然气、油品及弱腐蚀性流体		
泄漏率	符合GB/T13927-92标准		
驱动方式	电动		
可配电动执行器	SDV 或 DHQ 系列		

主要零部件材料 Materials for main parts

名称	材 料
阀体	WCB、QT450-10、HT200、HT250、1Cr18Ni9
碟板	WCB、QT450-10、HT200、HT250、1Cr18Ni9
阀轴	2Cr13
密封面	四氟
填料	柔性石墨

主要连接尺寸 Main connecting dimensions

通径	L	L2	B	B1	B2	H1	H2	D2	Z-Φd
50	161	40	145	83.5	42.6	70	297	125	4-18
65	161	40	145	83.5	45.6	80	310	145	4-18
80	161	40	163	75	45.6	92	331	160	8-18
100	188	40	163	75	51.6	107	348	180	8-18
125	188	40	211	92.5	55.6	121	428	210	8-18
150	268	40	211	92.5	55.6	134	447	240	8-22
200	268	40	211	92.5	59.6	170	481	295	8-22
250	268	40	211	92.5	67.6	208	520	355	12-26
300	268	40	211	92.5	77.6	240	548	410	12-26
350	268	40	211	92.5	79	265	583	470	16-26
400	268	40	211	92.5	105	297	615	525	16-30

执行标准 Executive standard

制造标准	GB/T 122387-89
法兰标准	GB9113-2000、GB17241.6-1998
结构长度标准	GB12221-89
检验标准	GB/T 13927-92

电动执行机构 Electric actuator
参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！ 120



阀体 Valve body

公称通径：50~400mm
公称压力：PN10,1.6,2.5Mpa
连接形式：法兰连接
材料：HT200 ZG251 ZG1Cr18Ni9 ZG0Cr17Ni12Mo2 衬四氟
介质温度：常温型：-20℃~+200℃ 散热型：-40℃~+450℃
适用介质：淡水、海水、食品、天然气、醇类、盐类、酸、碱、油、蒸汽、空气等

产品概述 Product overview

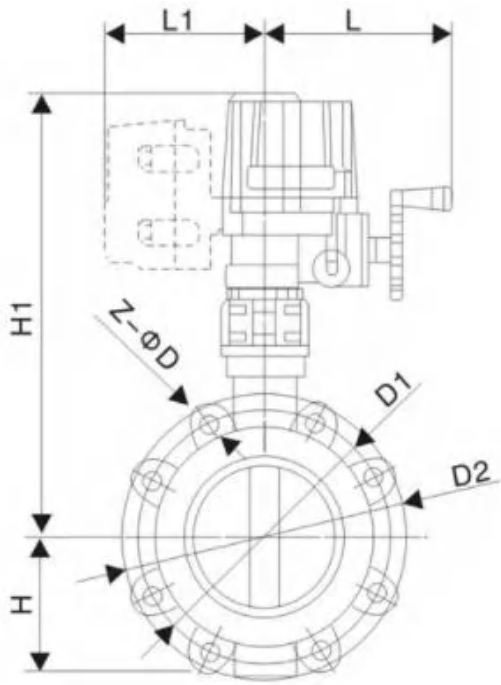
电动防爆蝶阀由蝶阀与DHQ系列电动执行机构（可选防爆）配套，输入控制信号（4~20mA或5~VDC）及单项电源即可控制运转，电动蝶阀具有功能性强、体积小、轻便宜人、性能可靠、配套简单、流通能力大，电动蝶阀特别是适合介质是粘稠、含颗粒、纤维性质的场合。目前该电动调节蝶阀广泛应用于食品、环保、轻工、石油、造纸、化工、教学和科研设备、电力等行业的工业自动控制系统中

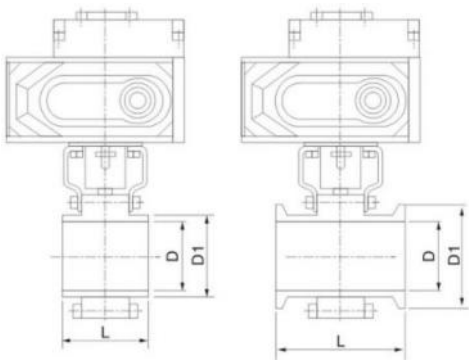
阀内组件可选材料 The inner valve assembly optional material

主要零部件	材 质	适用规格	主要零部件	材 质	适用规格
阀体	球墨铸铁	50mm~300mm	阀杆	不锈钢416	50mm~300mm
	灰铸铁	50mm~300mm		不锈钢316	50mm~300mm
	铸钢	50mm~300mm		不锈钢304	50mm~300mm
	不锈钢	50mm~300mm		碳钢镀镍磷	50mm~300mm
阀板	不锈钢CF8	50mm~300mm	阀座	丁腈橡胶NBR	50mm~300mm
	不锈钢CF8M	50mm~300mm		乙丙橡胶EPDM	50mm~300mm
	球墨铸铁镀镍磷	50mm~300mm		氟橡胶VITON	50mm~300mm
	球墨铸铁覆尼龙	50mm~300mm		硅橡胶SEP	50mm~300mm
	铝青铜	50mm~300mm		耐热EPDM	50mm~300mm
				耐磨EPDM	50mm~300mm

主要连接尺寸 Main connecting dimensions

通径	L	L1	H1	H2	D1	D2	Z-ΦD
50	216	190	70	412	125	155	4-Φ16
65	216	190	76	425	145	175	4-Φ16
80	216	190	89	437	160	190	8-Φ16
100	216	190	104	452	180	214	8-Φ16
125	216	190	120	504	210	252	8-Φ16
150	276	221	132	521	240	282	8-Φ16
200	276	222	167	607	295	337	8-Φ16 12-Φ20
250	276	240	202	686	350/355	405	12-Φ20 12-Φ24
300	276	240	239	714	400/410	460	12-Φ20 12-Φ24
350	276	240	265	749	460/470	524	16-Φ20 16-Φ24
400	276	240	297	781	515/525	585	16-Φ24 16-Φ27





产品概述 Product overview

电动卫生级蝶阀采用标准电子抛光，光滑表面确保清洁，无介质积存区域、不会产生潜在的污染。快速拆装阀，使阀门打开和维修快捷容易，使过程停机时间缩短。广泛应用于食品、制药、化妆品、洁净蒸汽、酒类、饮料、生化工业过程控制场合。具有结构紧凑、装拆方便等优点

产品特点 Product features

- 1.设计新颖、合理、结构独特，重量轻、启闭迅速
- 2.操力矩小，操作方便，省力灵巧
- 3.可以任何位置安装，维修方便
- 4.密封材料耐老化、耐腐蚀，使用寿命长

执行标准 Executive standard

设计标准：GB/T2238-1989
法兰连接尺寸：GB/T9113.1-2000；GB/T9115.1-2000；JB78
结构长度：GB/T12221-1989
压力试验：GB/T13927-1992；JB/9092-1999

蝶阀密封材料选用和使用温度 Butterfly valve sealing material selection and use of temperature

材料品种	聚四氟乙烯	硅橡胶	氟橡胶	天然橡胶	尼龙
英语简称	PTFE	SI	VITON	NR	PA
型号代号	F或XC、JC	XD或JD	XE或JE	X1	N
耐最高温度	232℃	250℃	204℃	85℃	93℃
耐最低温度	-268℃	-70℃	-23℃	-20℃	-73℃
使用工作温度	-30℃~+150℃	-70℃~+150℃	-23℃~+150℃	-20℃~+85℃	-30℃~+93℃

主要技术参数 Main technical parameter

公称压力	DN(mm)	15~150		
试验压力	PN(MPa)	0.6	1.0	1.6
试验压力	强度试验	0.9	1.5	2.4
试验压力	密封试验	0.66	1.1	1.76
试验压力	气密封试验	0.6	0.6	0.6
适用介质	空气、水、蒸汽、油品等			
驱动形式	电传动			
连接方式	快装式、卡箍式、外螺纹、焊接式等			

主要连接尺寸 Main connecting dimensions

公称通径 mm	英寸 "	尺寸(mm)					
		焊接式			卡箍式		
		L	D	D1	L	D	D1
25	1	40	21.1	25.4	64	22.1	50.4
40	1-3/4 "	50	34.8	38.1	72	34.8	50.4
50	2	50	47.5	50.8	72	47.5	63.9
65	2-1/2	50	60.2	63.5	76	60.2	77.5
80	3	50	72.9	76.2	76	72.9	90.9
100	4	64	97.4	101.6	104	97.4	118.9

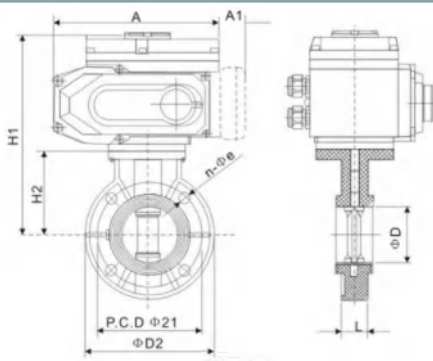
主要零件的材质 Materials for standard

零件名称	材 料
阀体	304、316、316L
蝶板	304、316、316L
密封圈	硅橡胶、氟橡胶、聚四氟
阀杆	304、316、316L
填料	硅橡胶、氟橡胶、聚四氟

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



产品概述 Product overview

PVC电动蝶阀重量轻、耐腐蚀性强，被应用于多个领域，如一般纯水和生饮水的管路系统、排水和污水管路系统、盐水和海水管路系统、酸碱和化学溶液系统等多个行业，品质得到广大用户的认可

主要外形尺寸（虚线部分为模拟控制盒，开关型无此尺寸）

阀门技术参数 Valve technical parameters

公称口径	50-600mm
连接方式	对夹
阀体材质	UPVC(-10℃~+70℃)、CPVC(-40℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
阀芯材质	UPVC(-10℃~+70℃)、CPVC(-40℃~+95℃)、RPP(-14℃~+100℃)、PVDF(-40℃~+140℃)
密封材质	PTFE、EPDM、NBR
适用介质	PVC兼容的食品工业化学溶剂
可选电动执行器	SDV或DHQ 系列

产品特点 Product features

- 1.使用温度范围广：-40℃~+95℃
- 2.具有极佳的强度和韧性
- 3.具有优良的耐化学腐蚀性能
- 4.阻燃性能为自熄性
- 5.低热传导性能，约为钢材的1/200
- 6.介质中重离子含量达超纯水标准
- 7.卫生指标符合国家卫生标准要求
- 8.管壁平洁光滑，输送流体时具有较小的摩擦阻力和附着力
- 9.重量轻，相当于钢管1/2，铜管1/6
- 10.外形结构紧凑美观、材质卫生无毒、安装方便，耐磨损、容易拆卸，维护简单易行
- 11.优异的耐老化和抗紫外线性能，使正常使用寿命闭其他管道系统均有很大的延长

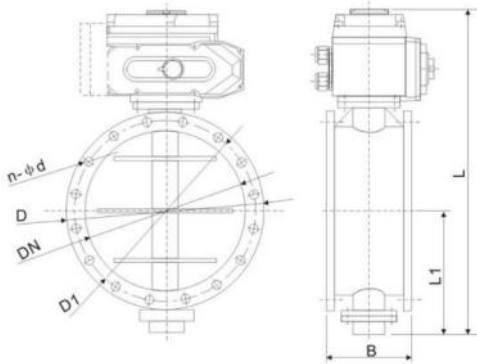
阀门连接尺寸及重量 Valve connecting dimensions and weights

公称口径 (mm)	D	外形尺寸 (mm)										工作压力 (Mpa)
		D1				D2	A	L	H1	H2	n-Φe	
		D1	JIS	DIN	ANSI							
40	47	110	105	110	3.88	150	161	39	86	70	4-18	0.7
50	56	125	120	125	4.75	160	161	40	88	70	4-18	0.7
65	71	145	145	145	5.50	185	161	46	100	70	4-18	0.7
80	85	160	160	160	6.00	195	161	46	105	85	8-18	0.7
100	105	180	180	180	7.50	215	161	54	118	85	8-18	0.6
125	131	210	210	210	8.50	250	161	70	163	93	8-18	0.5
150	153	240	240	240	9.50	285	188	74	176	93	8-22	0.5
200	204	295	290	295	11.75	340	188	87	210	93	8-22	0.4
250	255	350	355	350	14.25	395	268	114	240	93	12-22	0.3
300	307	400	400	400	17.00	445	268	114	270	93	12-22	0.3
350	358	460	445	460	18.75	505	268	127	300	93	16-22	0.3
400	389	515	510	515	21.25	580	268	140	350	108	16-22	0.3
450	446	565	565	565	22.75	615	268	152	370	108	20-26	0.2
500	494	620	620	620	25.00	670	268	152	400	108	20-26	0.2
600	590	725	730	725	29.50	780	268	178	465	108	20-30	0.2

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



主要连接尺寸（虚线部分为模拟量控制盒，开关型无此尺寸）

产品概述 Product overview

D941W型电动调节通风蝶阀，由角行程电子式电动执行器和蝶形阀调节机构组成。采用SDV型、DHQ 型全电子式电动执行器为通风蝶形阀的驱动装置，机电一体化结构设计、具有机内同伺服操作和开度信号位置反馈、位置指示、手动操作等功能，功能强、性能可靠、控制精确，以AC220V或AC380V电源电压作动力，接受控制系统输入的（4-20mA或1-5VDC）电流信号或电压信号。即可控制运转，实现对工艺流体介质的比例调节控制或开关控制
其主要特点：通风蝶阀采用与阀体相同材料加工成密封圈，其适用温度和耐腐蚀性随阀体选材而定，公称压力≤0.6Mpa,其泄漏量控制在最大流通的2%以内，应用于工业、冶金、环保等管道作通风调节介质流量之用。具有结构简单、重量轻，操作力矩小、启闭迅速、动作灵活、流通能力大、调节精度高等特点。适用于烟气、粉尘、空气或含有悬浮颗粒的流体及浓浊、浆状流体的调节与控制

阀内组件可选材料 The inner valve assembly optional material

公称通径DN(mm)	DN50-DN2000
公称压力PN(MPa)	0.1、0.25、0.6
阀芯转角	0° ~90°
作用形式	电开式或电闭式
流量特性	近似等百分比
允许压差MPa	0.6
性能指标	基本误差：±2.5%;回差≤±2.0%;死区≤3.0%
电源电压	AC220V、AC380V、DC24V
调节型	信号范围
开关型	电信号
AC220V、AC380V、DC24V；反馈信号：有源触点信号或无触点信号	

主要连接尺寸 Main connecting dimensions

材料代号	碳钢C (WCB)	不锈钢P (304)	不锈钢P (304)
阀体	WCB	1Cr18Ni9	1Cr18Ni12Mo2
阀板	WCB或Cr18Ni9	1Cr18Ni9	1Cr18Ni12Mo2
阀杆	2Cr13	1Cr18Ni9	1Cr18Ni12Mo2
阀座密封		与阀体相同	
填料	聚四氟乙烯、柔性石墨		
适用温度	≤300℃		≤500℃

主要连接尺寸 Main connection dimensions

公称通径 DN	D	D1	L	L1	B	N-Φd
50	140	110	286	70	100	4-14
65	160	130	306	80	100	4-14
80	190	150	334	95	100	4-18
100	210	170	354	105	120	4-18
125	240	200	384	120	120	8-18
150	265	225	409	132	120	8-18
200	320	280	593	160	140	8-18
250	375	335	650	187	140	12-18
300	440	395	715	220	170	12-22
350	490	445	814	245	170	12-22
400	540	495	863	270	190	16-22
450	595	550	918	297	190	16-22
500	645	600	1016	322	160	20-22
600	755	705	1128	377	210	20-26
700	860	810	1233	430	210	24-26
800	975	920	1344	487	210	24-30
900	1075	1020	1560	537	250	24-30
1000	1175	1120	1660	587	250	28-30
1200	1405	1340	1890	687	250	32-33
1400	1630	1560	2670	760	300	36-36
1600	1830	1760	2810	895	300	40-36

电动执行机构 Electric actuator

参照SDV或DHQ 系列角行程电动执行器技术参数

注：以上选配参数仅供参考，具体以实际情况为准！



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