



INTELLIGENT CONTROL VALVE SOLUTION PROVIDER

智控阀门方案解决商



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协助共赢 兼容并蓄 传承创新 精益求精
Assist to a win-win situation, inheriting, innovating, excellence

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关于我们 about us	阀门选型参照表 Valve selection reference table	气/电动三通球阀 Air/electric three-way ball valve	气/电动四通（五通）快装球阀 Pneumatic/electric four-way (five-way) quick-fit ball valve	气/电动薄型球阀 Pneumatic/electric thin ball valve	不锈钢角阀 Stainless steel angle valve
企业资质 Qualification	气动执行器选型 Pneumatic actuator selection	气/电动三通快装球阀 Pneumatic/electric three-way quick-fit ball valve	气/电动二片式球阀 Pneumatic/electric two-piece ball valve	气/电动国标法兰球阀 Gas/electric national standard flange ball valve	排气阀 Vent
应用领域 Application field	电动执行器选型 Electric actuator selection	气/电动立式三通球阀 Pneumatic/electric vertical three-way ball valve	气/电动三片式球阀 Pneumatic/electric three-piece ball valve	气/电动美标法兰球阀 Pneumatic/Electric American Standard Flanged Ball Valve	手动阀门 Manual valve
		气/电动四通（五通）球阀 Pneumatic/electric four-way (five-way) ball valve	气/电动三片式快装球阀 Pneumatic/electric three-piece quick-fit ball valve	三通/四通法兰球阀 Three-way/four-way flanged ball valve	产品选型 product model
01-04	09-12	29-30	37-38	45-46	53-54
05-06	13-21	31-32	39-40	47-48	55-57
07-08	22-28	33-34	41-42	49-50	58-62
		35-36	43-44	51-52	63



About us

关于我们

18⁺
年
从事阀门事业

50⁺
个
产品应用行业

200⁺
种
产品种类多元化

10⁺
种
产品执行标准

温州优立机械有限公司创建于2002年，从事阀门事业近20年。总部位于温州市龙湾区高新技术园区度山工业区。是一家集研发、铸造、生产、销售及服务为一体的全能型阀门制造企业。

企业拥有现代化标准生产车间，雄厚的经济实力，完善的生产设备，专业的技术团队，是富睿稳步发展的基石。富睿产品以品质至上赢得口碑，靠品类丰富占有市场。所生产产品都经过严格的检验与检测，做到有瑕疵产品坚决不进入下一流程，不合格产品坚决不出车间，不会让不良品流入客户手中。为稳步拓展市场，企业现有研发生产的产品种类200多个型号，1000多种规格。

专业制造生产不锈钢阀门系列：电动阀门、气动阀门、L型三通球阀，T型三通球阀，单L型四通球阀、双L四通球阀、T型四通球阀、T型五通球阀、L型五通球阀、非标五通球阀、过滤器，闸阀，止回阀，截止阀，S型截止阀，B型截止阀，旋启式止回阀，立式止回阀，Y型过滤器，对夹式止回阀，快速接头，KJA槽车快速接头，KJB槽车快速接头，不锈钢快速接头，铝合金快速接头，铜制快速接头，液压快速接头，一片式球阀，二片式球阀，三片式球阀，对焊球阀，快装球阀，承插焊球阀，内螺纹球阀，法兰球阀，卫生级球阀，卫生级隔膜阀，卫生级法兰球阀，Z15闸阀，H14止回阀，H12止回阀，JB11截止阀，JS11截止阀，GY11过滤器，H71止回阀，Z41闸阀，H44止回阀，H42止回阀，J41截止阀，GY41过滤器，Q11球阀，Q15球阀，Q14球阀，Q21球阀，Q41球阀，Q61球阀，Q71球阀，Q81球阀，G81隔膜阀，D81蝶阀，管件、弯头、三通、堵头、管帽、活接、外丝、内丝、皮干接、等其它非标产品订做。

公称通径：DN15mm-DN300mm (1/4 " -12 ")。
公称压力：PN0.6Mpa-6.4Mpa (Class150LB-600LB)。
连接方式：丝扣，快装，法兰，焊接等方式。
驱动方式：进口（国产）气动，电动，蜗轮，液动等方式。

产品广泛应用于水务，石油，化工，造纸，电站，船舶，轻纺，建筑，水利，制药，环保等诸多行业。在标准化规范化发展前提下，企业先后获得国家压力管道TS证书、国际质量体系ISO9001-2015证书、欧盟CE证书、多枚国家商标证书、多项专利等证书和荣誉。产品也远销海外，遍及美国，日本，欧洲，东南亚，南非等国家和地区。企业以创新带发展、质量求生存、管理促效益、诚信引客户的经营理念，“诚心服务、注重品牌”取信于新老客户，服务于新老客户。欢迎各界新老朋友来电来函咨询。真诚欢迎各界用户前来参观、考察、洽谈业务！



YouLi Machinery Co., Ltd. was founded in 2002 and has been engaged in valve business for nearly 20 years. The headquarter is located in Dushan Industrial Zone, High-tech Park, Longwan District, Wenzhou City. It is an all-round valve manufacturing enterprise integrating R&D, casting, production, sales and service.

The company has modern standard production workshops, strong economic strength, perfect production equipment, and professional technical team, which are the cornerstones of Fu Rui's steady development. Furui's products have won a reputation for quality first, and they occupy the market with rich categories. The products produced have undergone strict inspection and testing, so that defective products will never enter the next process, unqualified products will never leave the workshop, and defective products will not flow into the hands of customers. In order to steadily expand the market, the company currently develops and produces more than 200 types of products and more than 1,000 specifications.

Professional manufacturing and production of stainless steel valve series: electric valves, pneumatic valves, L-type three-way ball valves, T-type three-way ball valves, single L-type four-way ball valves, double-L four-way ball valves, T-type four-way ball valves, T-type five-way ball valves, L-type five-way ball valve, non-standard five-way ball valve, filter, gate valve, check valve, stop valve, S-type stop valve, B-type stop valve, swing check valve, vertical check valve, Y-type filter, Wafer check valve, quick coupling, KJA tank truck quick coupling, KJB tank truck quick coupling, stainless steel quick coupling, aluminum alloy quick coupling, copper quick coupling, hydraulic quick coupling, one-piece ball valve, two-piece ball valve, Three-piece ball valve, butt welding ball valve, quick-fit ball valve, socket welding ball valve, internal thread ball valve, flange ball min, sanitary ball valve, sanitary diaphragm valve, sanitary flange ball valve, Z15 gate valve, H14 check valve, H12 check valve, JB11 globe valve, JS11 globe valve, GY11 filter, H71 check valve, Z41 gate valve, H44 check valve, H42 check valve, J41 globe valve, GY41 filter, Q11 ball valve, Q15 ball valve, Q14 ball valve, Q21 ball valve, Q41 ball valve, Q61 ball valve, Q71 ball valve, Q81 ball valve, G81 diaphragm valve, D81 butterfly valve, pipe fittings, elbows, three-way, plugs, pipe caps, unions, outer wires, inner wires, skin dry Other non-standard products are customized.

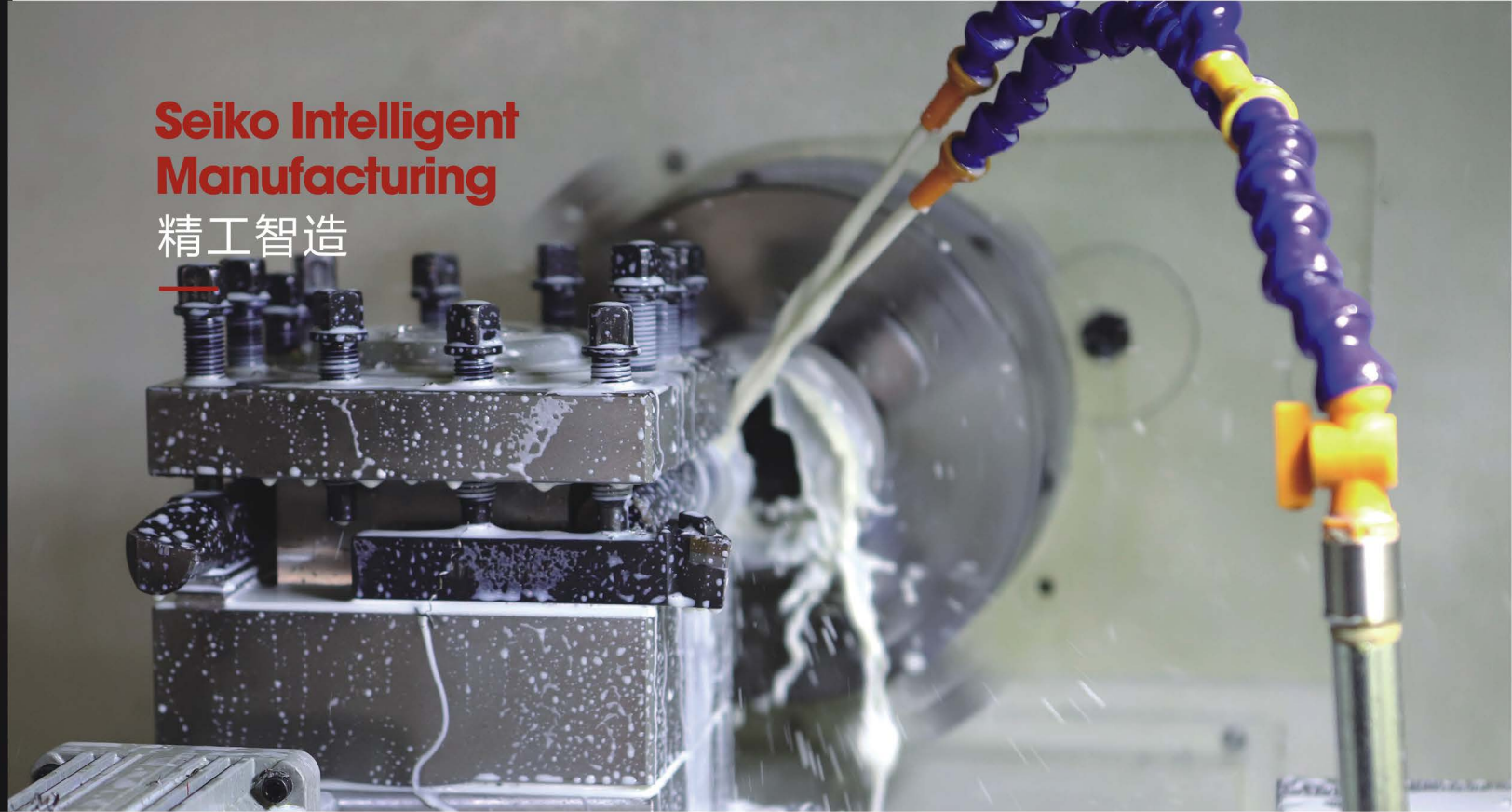
Nominal diameter: DN15mm-DN300mm (1/4"-12").
Nominal pressure: PN0.6Mpa-6.4Mpa (Class150LB-600LB).
Connection methods: threaded, quick installation, flange, welding, etc.
Drive mode: imported (domestic) pneumatic, electric, worm gear, hydraulic, etc.

Products are widely used in water, petroleum, chemical, paper, power station, shipbuilding, textile, construction, water conservancy, pharmaceutical, environmental protection and many other industries. Under the premise of standardized development, the company has successively obtained the national pressure pipeline TS certificate, the international quality system ISO9001-2015 certificate, the EU CE certificate, multiple national trademark certificates, multiple patents and other certificates and honors. Products are also exported to overseas, all over the United States, Japan, Europe, Southeast Asia, South Africa and other countries and regions. With the business philosophy of innovation to drive development, quality to survive, management to promote efficiency, and integrity to attract customers, the company "sincere service and focus on brand" wins the trust of new and old customers and serves new and old customers. Welcome new and old friends from all walks of life to call or write for consultation. Sincerely welcome users from all walks of life to visit, inspect and negotiate business!

Casting process 铸造流程



Seiko Intelligent Manufacturing 精工智造



企业拥有先进的铸造工艺及设备，配套全硅溶胶制模车间，铸造车间全套流水线。每个流程及细节都严格把控，企业坚持把好铸造品质第一大关。

The company has advanced casting technology and equipment, supporting all-silica sol mold making workshop, and a complete set of production lines in the casting workshop. Every process and detail are strictly controlled, and the company insists on keeping the quality of casting as the first key.

为了打造高精度，高品质产品。企业购置多台高精度数控加工中心，试压及检验检测设备。全程数控加工，大大提高产品加工精度及生产效率。保证产品在高品质发展路线中稳步前进。

In order to create high-precision, high-quality products. The company has purchased multiple high-precision CNC machining centers, pressure testing and inspection and testing equipment. The whole process of CNC machining greatly improves product processing accuracy and production efficiency. Ensure that the products advance steadily along the high-quality development route.



01-蜡模成型



02-蜡型修整



03-蜡型组树



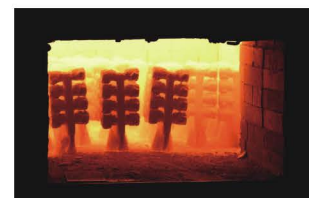
04-浆、砂



05-蜡型干燥



06-模壳脱模



07-型壳焙烧



08-熔炼



09-浇铸



10-切浇口



11-抛丸



12-半成品



01-精加工



02-半成品



03-半成品检测



04-装配



05-试压



06-成品检测



07-成品展示



08-成品展示



奋斗承载荣耀



QUALIFICATION

企业资质



证书 CERTIFICATE

- 营业执照
business license
- 安全生产标准化证书
Safety production standardization certificate
- 浙江省科技型中小企业证书
Zhejiang Province Science and Technology SME Certificate
- ISO三体系认证
ISO three system certification
- 涉水审批文件
Wading approval documents
- PICC中国人民保险
PICC China People's Insurance
- 商标注册证
Trademark registration certificate
- 检测报告 Test Report
- 薄型球阀
Thin ball valve
- 过滤器（内螺纹过滤器）
Filter (internal thread filter)
- 角阀检测报告
Angle valve inspection report
- 截止阀（内螺纹截止阀）
Globe valve (internal thread globe valve)
- 球阀（法兰球阀）
Ball valve (flange ball valve)
- 球阀（三片式法兰球阀）
Ball valve (three-piece flanged ball valve)
- 球阀（三片式高平台球阀）
Ball valve (three-piece high platform ball valve)
- 闸阀（内螺纹闸阀）
Gate valve (internal thread gate valve)



水务
WATER



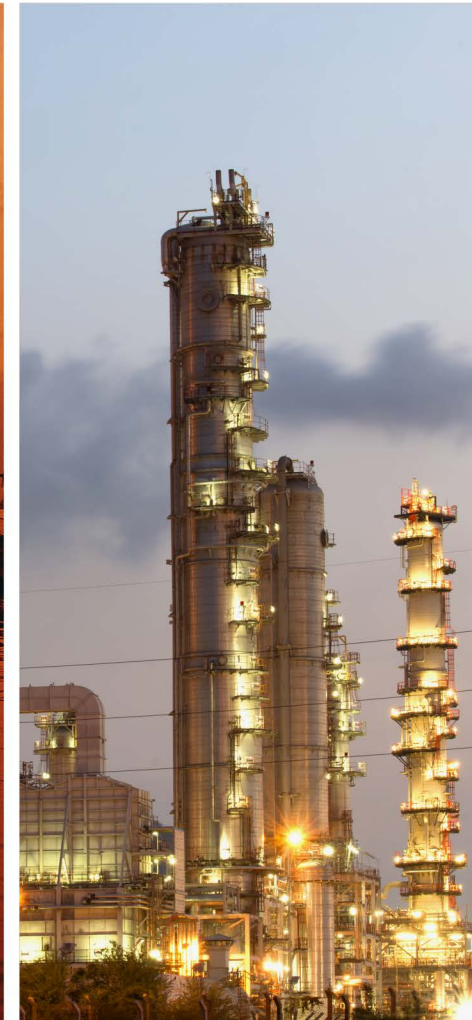
建筑
BUILDING



医药
MEDICINE



造船
SHIPBUILDING



化工
CHEMICAL INDUSTRY



石油
OIL

APPLICATION FIELD

应用领域

产品广泛应用于
水务、环保、石化、电力、冶金、乳品、制药、轻纺、食
品、建筑等领域。

Water, environmental protection, petrochemical, electric power, metallurgy, dairy,
pharmaceutical, textile, food, construction and other fields.



Building
建筑



Biochemical
生化



Environmental
环保



Chemistry
化工



Electricity
电力



Petroleum
石油



Metallurgy
冶金



Pharmaceutical
制药

VALVE SELECTION
REFERENCE TABLE
阀门选型参照表

螺纹球阀材料表 Threaded ball valve material table

序号 NO.	部件名称 Component name	材 质 Texture of maaterial		
1	阀体	CF8	CF8M	CF3M
2	阀盖	CF8	CF8M	CF3M
3	球体	CF8	CF8M	CF3M
4	阀座	TFM1600/PTFE/RTFE		
5	阀杆	SUS304	SUS304	
6	防静电装置	SUS304	SUS304	
7	止推垫圈	PTFE		
8	O型密封圈	FKM(VITON)		
9	V型阀杆填料	PTFE		
10	密封衬套	50%SS+50%PTFE		
11	格南	SUS316		
12	蝶型弹片	SUS304		
13	阀杆螺母	A194-8		
14	定位锁盖	SUS304		
15	阀盖垫圈	TFM1600		
16	螺栓	A193-B8	CF8、CF8M、CF3M	A193-B7
17	端盖	CF8、CF8M、CF3M		
18	六角螺栓	A193-B8	CF8、CF8M、CF3M	A193-B7
19	端盖	CF8、CF8M、CF3M		
20	执行器	Pneumatic/Electric		

法兰球阀材料表 Threaded ball valve material table

序号 No.	零件 PARTS	材料 MATERIAL		
1	阀体 BODY	CF8	CF8M	WCB
2	阀座 SEAT	PTFE		
3	球体 BALL	CF8	CF8	CF8M
4	O 形圈 O-RING	FPM		
5	垫片 GASKET	PTFE		
6	阀盖 BONNET	CF8	CF8M	WCB
7	螺栓 BOLT	304		
8	螺母 NUT	304		
9	阀杆 STEM	304	304	316
10	阀杆垫圈 STEM WASHER	PTFE+25% GF		
11	O 形圈 O RING	FPM		

序号 No.	零件 PARTS	材料 MATERIAL
12	填料 PACKING	PTFE
13	耐磨垫圈 WEAR WASHER	PTFE+25% GF
14	填料盖 GLAND	304
15	碟形弹簧 DISC SPRING	304
16	压盖法兰 GLAND FLANGE	CF8
17	STOPPER	304
18	六角螺栓 HEX SOCKET BOLT	304
19	螺母 NUT	304
20	手柄 HANDLE	WCB/CF8
21	螺栓 BOLT	304
22	螺母 NUT	304

球阀密封圈选型对比数值
Comparison value of ball valve sealing ring selection



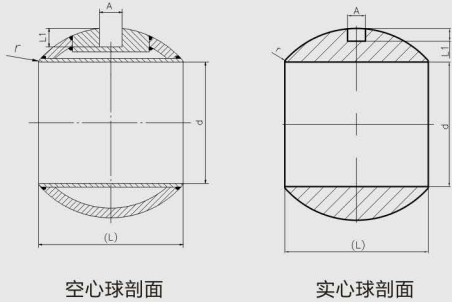
名称	使用温度
聚四氟乙烯 PTFE	-20℃-120℃
德威龙 DEVLON	125℃
聚醚醚酮 PEEK	250℃
钼龙 MOLON	105℃
对位聚苯 PPL	220℃
碳纤维 CPTFE	200℃
聚苯脂 POB/CPOB	220℃
玻纤四氟 RPTFE	-150℃-180℃
PTFE 3M 1700	-193℃-180℃
聚三氟氯乙烯 PCTFE	-196℃-125℃

球阀阀杆选型对比数值
Comparison value of ball valve stem selection



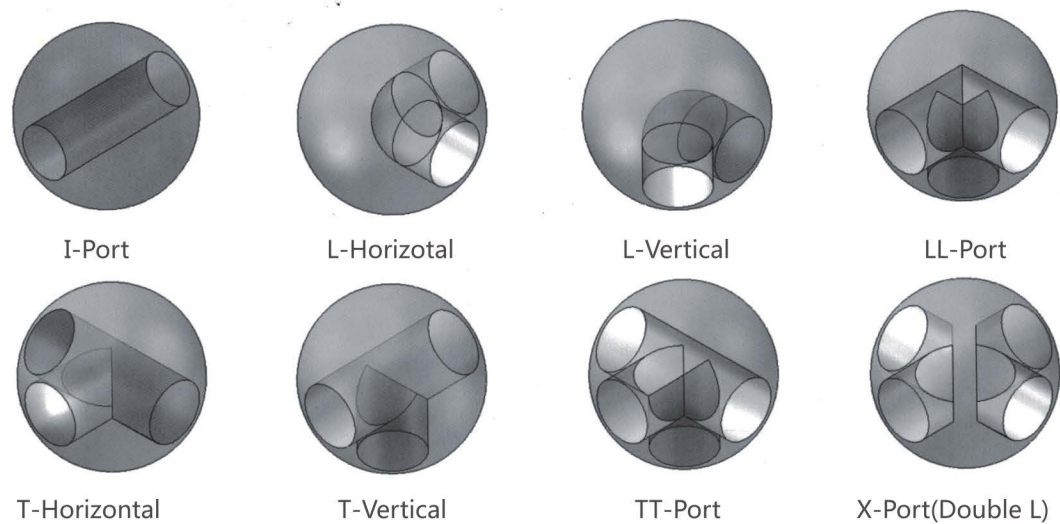
名称
1-防火防静电阀杆带O型圈
2-带螺纹阀杆，可加手柄
3-蝶形弹簧款阀杆带O形圈
4-普通款阀杆，性价比高

球阀球体选型对比数值
Comparison value of ball valve sphere selection

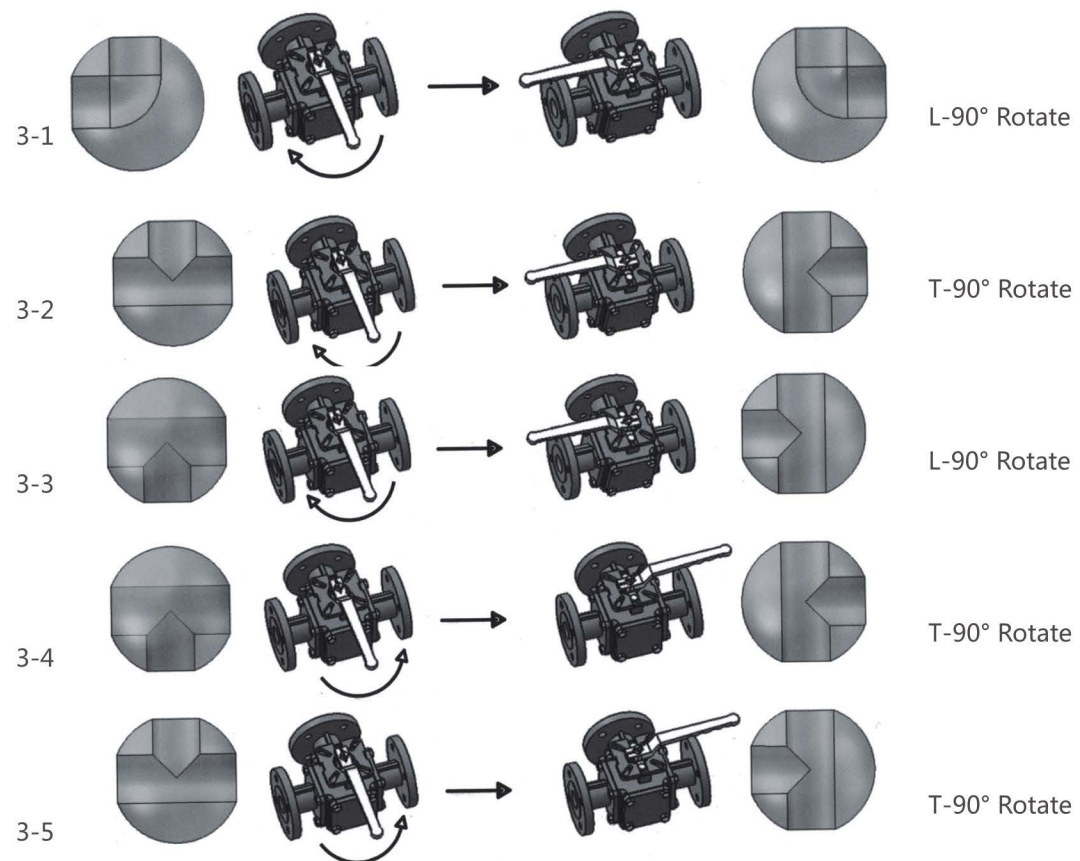


名称	压力
1-空心球体	0.6-1.6MPa
2-实心球体	2.5-6.4MPa

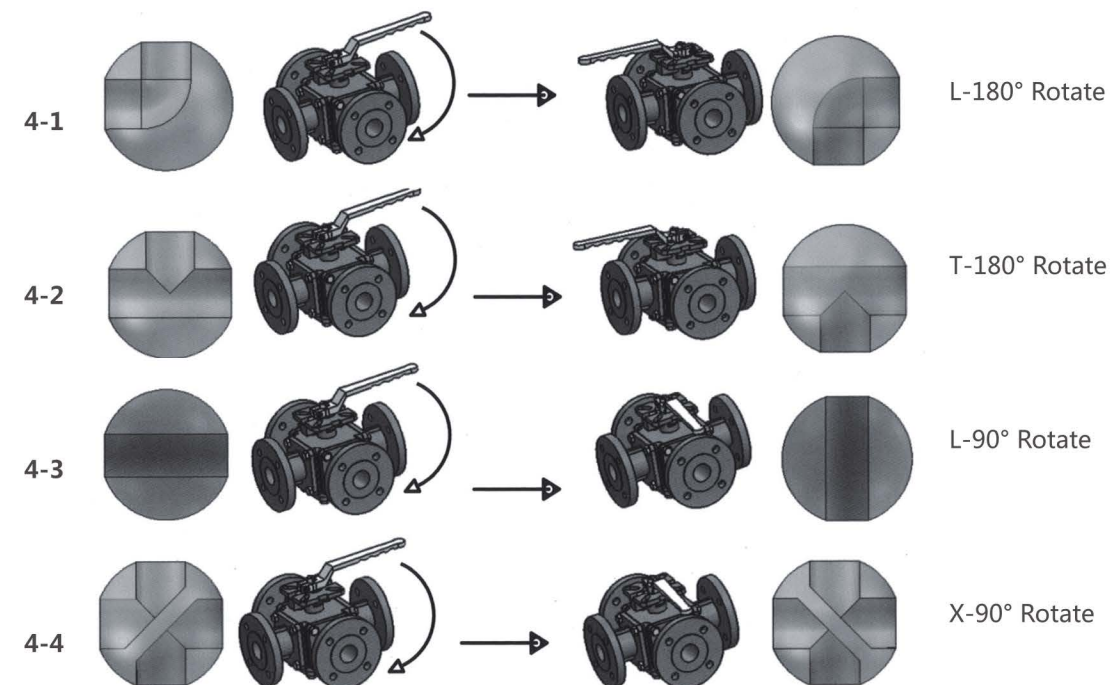
球体选型 Sphere selection



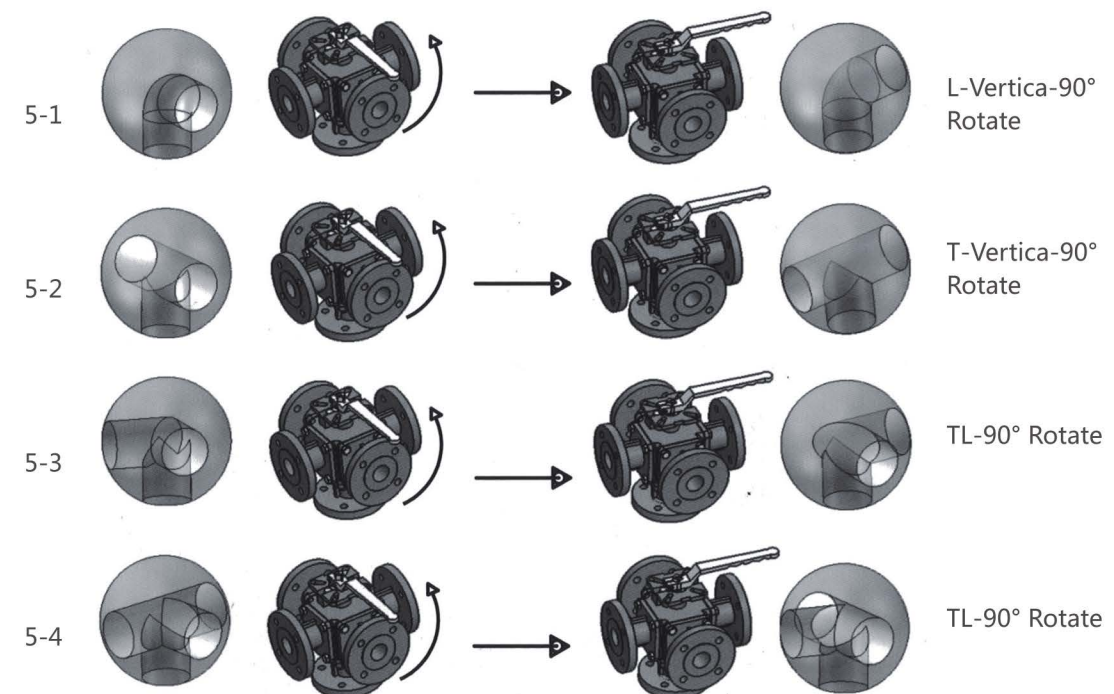
三通示意图 Tee schematic



四通示意图 Four-way diagram

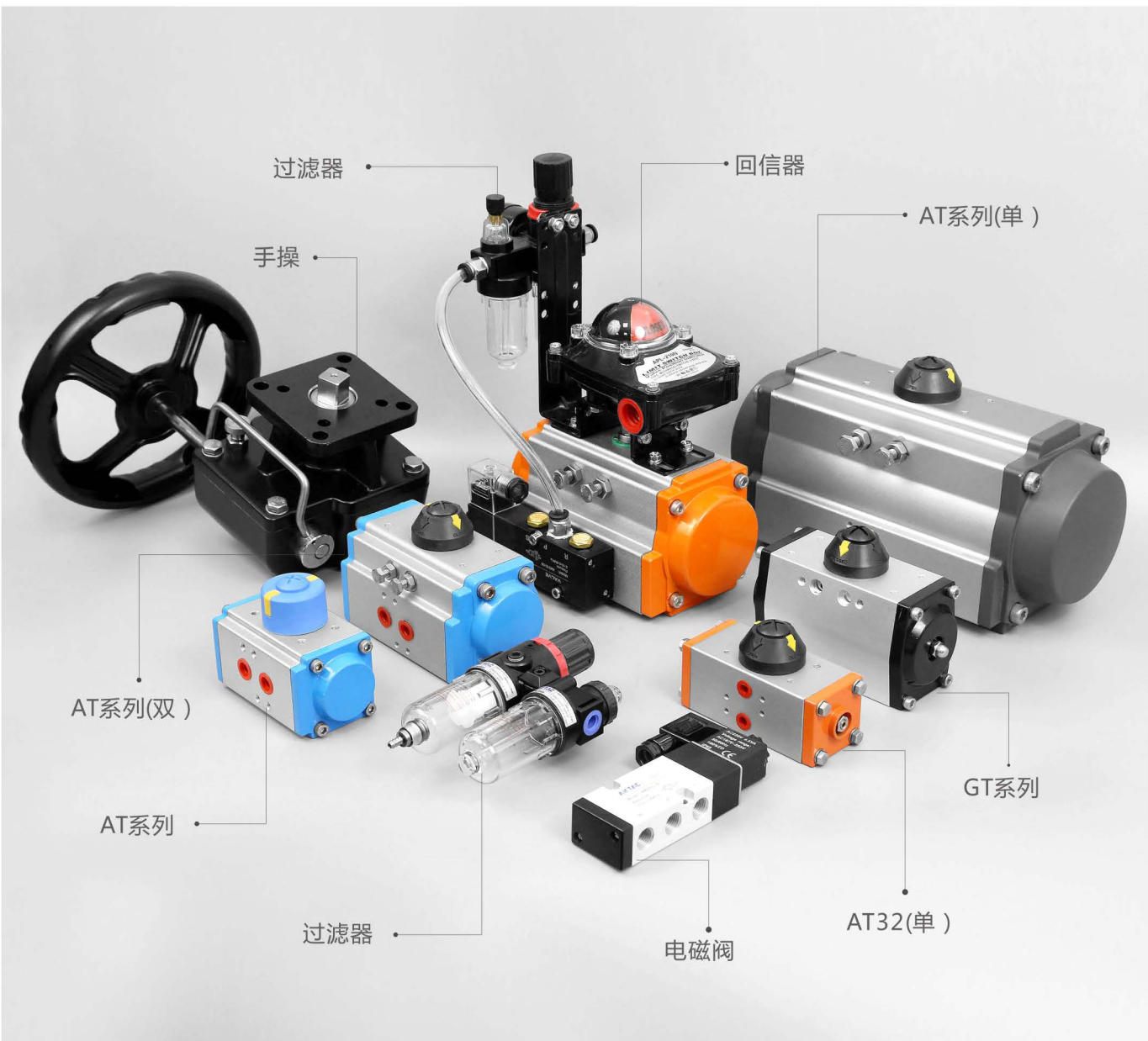


五通示意图 Five-way diagram



气动执行装置常规选型配件

Pneumatic actuator conventional selection accessories



执行器色调可定制

Actuator color can be customized

红色/red 蓝色/blue 黑色/black 橙色/Orange 灰色/gray

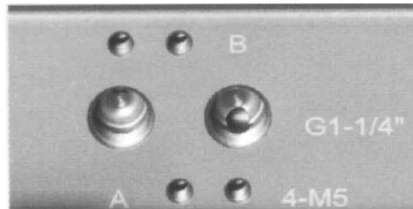
工作技术条件 Operating conditions:

- 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 $30\mu\text{m}$ 。
- 2.气源压力：
最小气源压力3bar，最大气源压力8bar。
- 3.介质环境温度：
标准： $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
低温： $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
高温： $-20^{\circ}\text{C} \sim +160^{\circ}\text{C}$
- 4.行程调节：
 0° 和 90° 两个位置
有 $\pm 5^{\circ}$ 的调节范围
- 5.使用场合：室内或室外安装

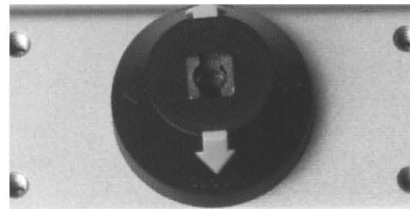
- 1.Operating media:
Dry or lubricated air, or the non-corrosive gasses
the maximum particle diameter must less than $30\mu\text{m}$
- 2.Air supply pressure:
The Min supply pressure is 3 Bar
The Max supply pressure is 8 Bar
- 3.Operating temperature:
Standard: $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Low temperature: $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
High temperature: $-20 \sim +160^{\circ}\text{C}$
- 4.Travel adjustment:
Have adjustment range of $\pm 5^{\circ}$ for the rotation at 0° and 90°
- 5.Use occasions: Indoor or outdoor installation

动作形式 Operating type

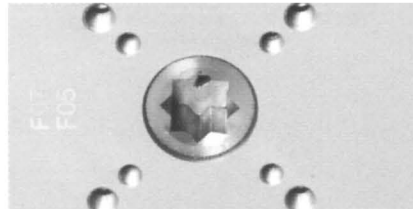
双作用和单作用 Double acting and spring return



气源接口符合 NAMUR 标准，可简单方便地安装电磁阀。
Air supply connection is designed in accordance with NAMUR Standard to install solenoid valves.



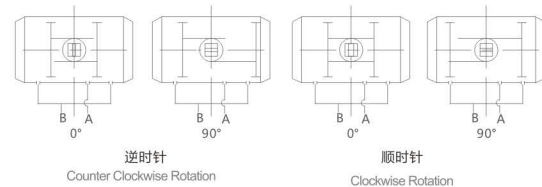
输出轴的NAMUR标准槽和缸体上部标准安装孔，可使限位开关、定位器直接啮合和安装。
The Namur drive pinion and the Namur top mounting connection permit direct installation of accessories such as limit switch box and positioner.



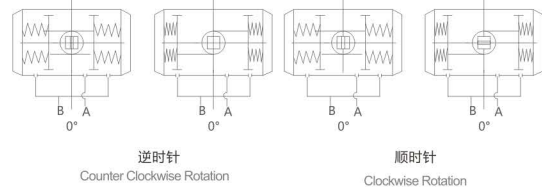
底部安装孔设计符合ISO5211、DIN3337标准,可以直接安装离合器(气动手轮机构)或安装机架。
Bottom mounting connection is designed in accordance with ISO5211 and DIN3337 standards for direct mounting with valve gear boxes or mounting brackets.

工作原理 Working Principle

• 双作用 Double acting

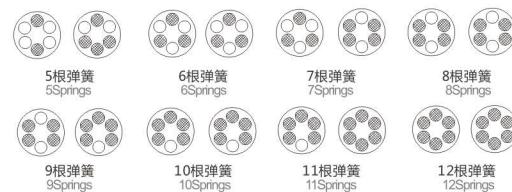


• 单作用 spring return



单作用执行器弹簧位置

Spring positions of Spring Return Actuators



双作用执行器输出扭矩(单位:Nm) Double Acting Actuator Output Torque(Unit:Nm)

型号 Model	输入气源压力 (单位 : 巴) Input air supply pressure (unit:Bar)						
	2	3	4	5	6	7	8
AT32D	3.1	4.7	6.2	7.8	9.4	11	12.5
AT52D	8.5	12.7	17	21.2	25.5	29.7	34
AT63D	15	22.5	30	37.5	44.9	52.4	59.7
AT75D	21	31.8	42.4	53	63.6	74.2	84.8
AT83D	32.5	48.7	65	81.2	97.4	113.7	130
AT92D	46.5	69.8	93	116.3	140	162.9	186
AT105D	69.3	104	138.5	173.2	207.8	242.5	277
AT115D	95	129	172	215	258	301	344
AT125D	108	162	216	270	324	378	432
AT140D	184.7	277	369.5	461.8	554	646.5	739
AT160D	281.5	422	563	704	844	985	1126
AT190D	453	680	907	1135	1361	1587	1814
AT210D	554	831	1108	1384	1662	1939	2216
AT240D	814	1221	1628	2035	2442	2849	3256
AT270D	1236	1854	2472	3090	3708	4326	4944

单作用执行器输出扭矩 (单位 : Nm) Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧 数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
AT52SR	5	8.8	7.3	13.0	11.6									5.4	4.0
	6	8.0	6.3	12.2	10.5	16.5	14.8							6.5	4.7
	7	8.2	5.2	11.5	9.4	15.7	13.7	20.0	17.9					7.6	5.5
	8	6.4	4.1	10.7	8.3	14.9	12.6	19.2	16.8	23.4	21.1			8.6	6.3
	9			9.9	7.3	14.1	11.5	18.4	15.8	22.6	20.0	26.9	24.3	9.7	7.1
	10			9.1	6.2	13.3	10.4	17.6	14.7	21.8	18.9	26.1	23.2	10.8	7.9
	11					12.5	9.4	16.8	13.6	21.0	17.9	25.3	22.1	11.9	8.7
	12					11.8	8.3	16.0	12.5	20.3	16.8	24.5	21.0	13.0	9.5
AT63SR	5	15.7	12.5	23.1	20.0									9.9	6.8
	6	14.3	10.5	21.8	18.0	29.3	25.5							11.9	8.1
	7	13.0	8.5	20.4	16.0	27.9	23.5	35.4	31.0					13.9	9.5
	8	11.6	6.5	19.1	14.0	26.6	21.5	34.0	29.0	41.5	36.5			15.9	10.8
	9			17.7	12.0	25.2	19.5	32.7	27.0	40.2	34.5	47.6	42.0	17.9	12.2
	10			16.4	10.0	23.8	17.5	31.3	25.0	38.8	32.5	46.3	40.0	19.9	13.6
	11					22.5	15.5	30.0	23.0	37.5	30.5	44.9	38.0	21.9	14.9
	12					21.1	13.5	28.6	21.0	36.1	28.5	43.6	36.0	23.9	16.3
AT75SR	5	27.0	21.6	39.3	34.0									15.5	10.2
	6	24.9	18.5	37.3	30.9	49.7	43.3							18.6	12.2
	7	22.9	15.5	35.3	27.8	47.6	40.2	60.0	52.6					21.7	14.2
	8	20.9	12.4	33.2	24.7	45.6	37.1	58.0	49.5	70.4	61.8			24.8	16.2
	9			31.2	21.6	43.6	34.0	56.0	46.4	68.3	58.7	80.7	71.1	27.8	18.3
	10			29.2	18.5	41.6	30.9	53.9	43.3	66.3	55.7	78.8	68.0	30.9	20.3
	11					39.5	27.8	51.9	40.2	64.3	52.6	76.6	64.9	34.0	22.3
	12					37.5	24.7	49.9	37.1	62.2	49.5	74.6	61.8	37.1	24.4

单作用执行器输出扭矩 (单位 : Nm) Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧 数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
AT83S	5	33.8	27.2	50.1	43.4									21.5	14.9
	6	30.9	22.9	47.1	39.1	63.3	55.3							25.8	17.8
	7	27.9	18.6	44.1	34.8	60.4	51.0	76.6	67.3					30.1	20.8
	8	24.9	14.3	41.2	30.5	57.4	46.7	73.6	63.0	89.9	79.2			34.4	23.8
	9			38.2	26.2	54.4	42.4	70.7	58.7	86.9	74.9	103.1	91.1	38.7	26.7
	10			35.2	21.9	51.5	38.1	67.7	54.4	83.9	70.6	100.2	86.8	43.0	29.7
	11					48.5	33.8	64.7	50.1	81.0	66.3	97.2	82.5	47.3	32.7
	12					45.5	29.5	61.8	45.8	78.0	62.0	94.2	78.2	51.6	35.6
AT92S	5	48.0	39.5	71.3	62.8									30.3	21.8
	6	43.7	33.5	66.9	56.7	90.2	80.0							35.6	26.1
	7	39.3	27.4	62.6	50.7	85.8	73.9	109.1	97.2					42.4	30.5
	8	34.9	21.4	58.2	44.6	81.5	67.9	104.7	91.2	128.0	114.4			48.4	34.9
	9			53.8	38.6	77.1	61.8	100.4	85.1	123.6	108.4	146.9	131.6	54.5	39.2
	10			49.5	32.5	72.8	55.8	96.0	79.0	119.3	102.3	142.6	125.6	60.6	43.6
	11					68.4	49.7	91.7	73.0	114.9	96.3	138.2	119.5	66.6	47.9
	12					64.0	43.7	87.3	66.9	110.6	90.2	133.8	113.5	72.7	52.3
AT105S	5	64.6	57.7	99.2	92.4									46.2	39.3
	6	56.7	48.5	91.4	83.1	126.0	117.8							55.4	47.2
	7	48.9	39.3	83.5	73.9	118.2	108.5	152.8	143.2					64.6	55.0
	8	41.0	30.0	7507.0	64.7	110.3	99.3	144.9	133.9	179.6	168.6			73.9	62.9
	9			67.8	55.4	102.4	90.1	137.1	124.7	171.7	159.3	206.3	194.0	83.1	70.7
	10			59.9	46.2	94.6	80.8	129.2	115.5	163.9	150.1	198.5	184.7	92.3	78.6
	11					86.7	71.6	121.4	106.2	156.0	140.9	190.6	175.5	101.6	86.5
	12					78.9	62.4	113.5	97.0	148.1	131.6	182.8	166.3	110.8	94.3
AT115S	5	81.4	51.3	124.4	94.3	167.4	137.3							77.7	47.6
	6	71.8	35.8	114.8	78.8	157.8	121.8							93.2	57.2
	7	62.3	20.0	105.3	63.0	148.3	106.0	191.3	149.0					109.0	66.7
	8			95.8	48.0	138.8	91.0	181.8	134.0	224.8	177.0			124.0	76.2
	9			86.3	32.0	129.3	75.0	172.3	118.0	215.3	161.0	258.3	204.0	140.0	85.7
	10					119.7	60.0	162.7	103.0	205.7	146.0	248.7	189.0	155.0	95.3
	11					110.0	44.0	153.0	87.0	196.0	130.0	239.0	173.0	171.0	105.0
	12							144.0	72.0	187.0	115.0	230.0	158.0	186.0	114.0
AT125S	5	131	104	192	166									80	53
	6	120	88	182	150	243	211							96	64
	7	110	72	171	134	232	195	294	257					112	74
	8	99	56	161	118	222	179	283	241	345	302			128	85
	9			150	102	211	163	273	225	334	286	395	347	144	96
	10			139	86	201	147	262	209	323	270	385	331	160	106
	11					190	131	251	193	313	254	374	315	175	117
	12					179	115	241	177	302	2038	363	299	191	127
AT140S	5	188	144	280	236									133	89
	6	170	117	263	209	355	302							160	107
	7	152	90	245	183	337	275	430	368					187	125
	8	135	64	227	156	319	249	412	341	504	433			213	142

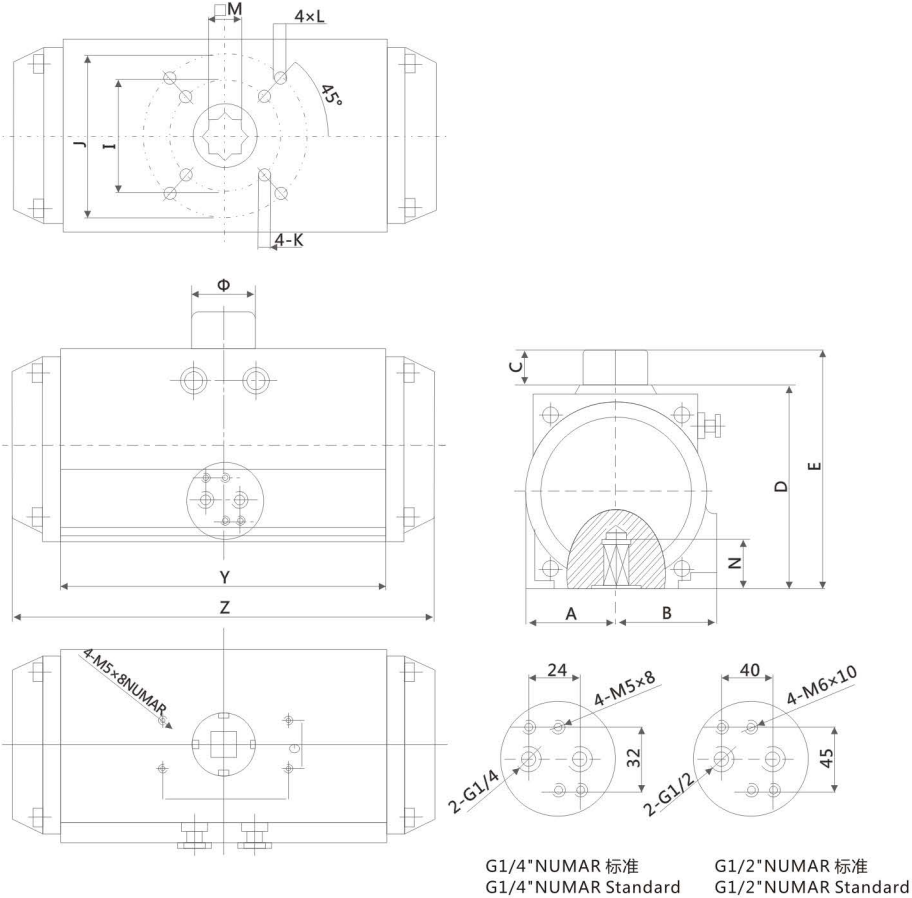
单作用执行器输出扭矩 (单位 : Nm)Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧 数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
AT140S	9			209	129	302	222	394	314	486	407	579	499	240	160
	10			191	103	284	195	376	288	469	380	561	472	267	178
	11					266	169	358	261	451	353	543	446	293	196
	12					248	142	341	234	433	327	525	419	320	214
AT160S	5	286	222	427	362									201	136
	6	259	182	400	322	541	463							241	163
	7	232	141	373	282	513	423	654	564					281	190
	8	205	101	345	242	486	383	627	524	768	664			321	218
	9			318	202	459	343	600	483	741	624	881	765	361	245
	10			291	162	432	303	573	443	713	584	854	725	401	272
	11					405	263	545	403	686	544	827	685	441	299
	12					377	222	518	363	659	504	800	645	481	326
AT190S	5	448	332	675	559									349	232
	6	402	262	629	489	856	716							418	278
	7	356	192	582	419	809	646	1036	873					488	325
	8	309	123	536	350	763	576	990	803	1217	1030			558	371
	9			490	280	717	507	943	733	1170	960	1397	1187	627	418
	10			443	210	670	437	897	664	1124	891	1351	1117	697	464
	11					624	367	851	594	1077	821	1304	1048	767	510
	12					577	297	804	524	1031	751	1258	978	837	557
AT210S	5	638	468	950	780									467	297
	6	579	375	890	687	1202	998							560	356
	7	519	282	831	593	1143	905	1455	1217					654	416
	8	460	188	772	500	1083	812	1395	1123	1707	1435			747	475
	9			712	407	1024	718	1336	1030	1647	1342	1959	1653	840	535
	10			653	313	965	625	1276	937	1588	1248	1900	1560	934	594
	11					905	531	1217	843	1529	1155	1840	1467	1027	653
	12					846	438	1158	750	1469	1062	1781	1373	1121	713
AT240S	5	963	666	1452	1155									799	503
	6	862	506	1351	995	1840	1484							959	603
	7	762	346	1250	835	1739	1324	2228	1812					1119	704
	8	661	187	1150	675	1639	1164	2127	1652	2616	2141			1279	804
	9			1049	515	1538	1004	2027	1492	2525	1981	3004	2470	1439	905
	10			949	355	1437	844	1926	1333	2415	1821	2903	2310	1599	1005
	11					1337	684	1825	1173	2315	1661	2803	2150	1759	1106
	12					1236	524	1725	1013	2213	1501	2702	1990	1919	1207
AT270S	5	1431	1028	2118	1715									1033	630
	6	1305	821	1992	1508	2679	2195							1240	756
	7	1179	615	1866	1302	2553	1989	3240	2676					1446	882
	8	1053	408	1740	1095	2427	1782	3114	2469	3801	3156			1653	1008
	9			1614	889	2301	1576	2988	2263	3675	2950	4363	3637	1860	1134
	10			1488	682	2175	1369	2862	2056	3549	2743	4237	3430	2066	1260
	11					2049	1162	2736	1849	3423	2536	4111	3223	2273	1386
	12					1923	956	2610	1643	3297	2330	3985	3017	2480	1512

AT 型气动执行器

AT Pneumatic actuator

外观尺寸General Drawing

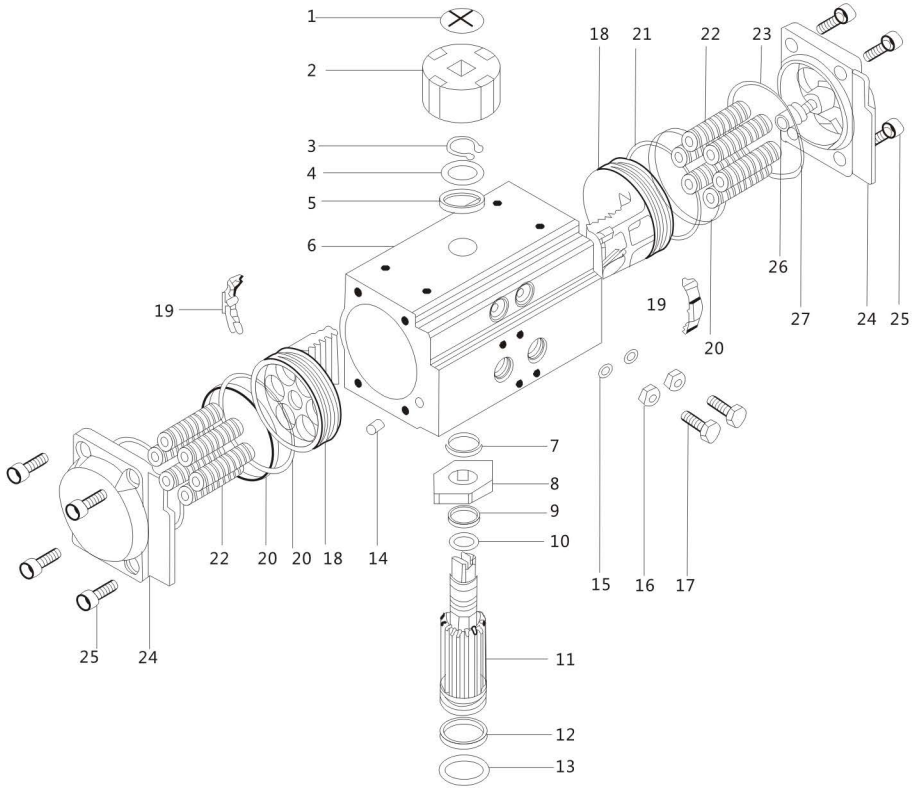


外形连接尺寸 Overview Dimension

型号Model		A	B	C	D	E	G	H	I	J	K	L	M	N	Z	¢	气源接口 Air Supply
At32	DA/SR	22.5	22.5	20	45	70	30	50	-	F03	-	M5×8	9×9	15	110	34	G1/8"
AT40	DA/SR	35	35	20	56	85	30	50	-	F03	-	M5×8	9×9	15	115	34	G1/8"
AT52	DA/SR	30	41	20	72	98	30	80	F03	F05	M5×8	M6×10	11×11	15	150	34	G1/4"
AT63	DA/SR	36	46	20	89	115	30	80	F05	F07	M6×10	M8×12	14×14	15	175	34	G1/4"
AT75	DA/SR	42	52	20	100	127	30	80	F05	F07	M6×10	M8×12	14×14	15	190	34	G1/4"
AT83	DA/SR	46	55	20	109	135	30	80	F05	F07	M6×10	M8×12	14×14	15	215	34	G1/4"
AT92	DA/SR	51	57.5	20	117	143	30	80	F05	F07	M6×10	M8×12	17×17	17	255	41	G1/4"
AT105	DA/SR	58	64	20	134	161	30	80	F07	F10	M8×12	M10×16	22×22	25	278	41	G1/4"
AT115	DA/SR	64.5	74.5	40	145	185	30	80	F07	F10	M8×12	M10×16	22×22	25	310	62	G1/4"
AT125	DA/SR	67.5	70	30	157	195	30	80	F07	F10	M8×12	M10×16	22×22	25	310	41	G1/4"
AT140	DA/SR	76	77	30	174	193	30	130	F10	F12	M10×16	M12×20	27×27	30	310	62	G1/4"
AT160	DA/SR	86.5	87.5	30	199	218	30	130	F10	F12	M10×16	M12×20	27×27	30	400	62	G1/4"
AT190	DA/SR	103	103	30	233	263	30	130	F10	F12	M10×16	M12×20	36×36	34	456	62	G1/4"
AT210	DA/SR	113	113	30	257	287	30	130	-	F12	-	M12×20	36×36	34	525	79	G1/4"
AT240	DA/SR	129	129	30	293	323	30	130	-	F16	-	M20×24	36×36	34	535	79	G1/4"
AT270	DA/SR	146	146	30	333	363	30	130	-	F16	-	M20×24	46×46	52	595	79	G1/4"

AT 型气动执行器

AT Pneumatic actuator

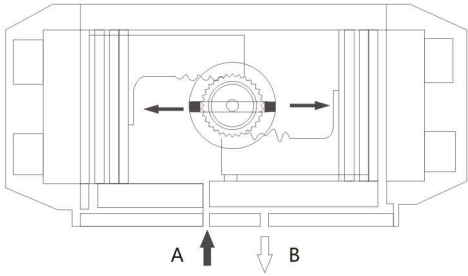


零件和材料 Parts and Materials

序号 No	零件名称 Parts name	数量 Qty	材料 Material	防腐处理 Anti-corrosive	可选材料 Optional materials
1	指示器螺钉 Indicator screw	1	塑料 Plastic		
2	指示器 Indicator	1	塑料 Plastic		
3	卡簧 Spring clip	1	不锈钢 Stainless steel		
4	垫圈 Washer	1	不锈钢 Stainless steel		
5	外垫片 Outer gasket	1	工程塑料 Engineering plastics		
6	缸体 Cylinder body	1	挤压型材 6005 Extruded profile	硬质氧化等 Hard anodizing	
7	内垫片 Inner gasket	1	工程塑料 Engineering plastics		
8	凸轮 Cam	1	合金钢 Alloy steel		氟/硅橡胶 Viton/Silicone rubber
9	上轴O形圈 Oring(Pinion top)	1	丁腈橡胶 NBR		
10	上轴轴承 Bearing(Pinion top)	1	工程塑料 Engineering plastics		
11	齿轴 Pinion	1	合金钢 Alloy steel	镀镍 Nickel plating	不锈钢 Stainless steel
12	下轴轴承 Bearing(Pinion botom)	1	工程塑料 Engineering plastics		
13	下轴O形圈 Oring(Pinion botom)	1	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
14	堵头 Plug	2	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
15	调节螺钉O形圈 Adjusting screw Oring	2	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
16	调节螺钉螺母 Adjusting screw nut	2	不锈钢 Stainless steel		
17	调节螺栓 Adjusting bolt	2	不锈钢 Stainless steel		
18	活塞 Piston	2	压铸铝/铸钢 Engineering plastics	氧化/镀锌 Oxidation/Zinc plating	不锈钢 Stainless steel
19	活塞导板 Piston guide	2	工程塑料 Engineering plastics		
20	活塞轴承 Piston bearing	2	工程塑料 Engineering plastics		
21	活塞O形圈 Piston Oring	2	丁腈橡胶 NBR		氟/硅橡胶/氢化丁腈 Viton/Silicone rubber/HNBR
22	弹簧 Spring	0-12	弹簧钢 Spring steel	浸漆 Dipping paint	
23	端盖O形圈 End cover Oring	2	丁腈橡胶 NBR		氟/硅橡胶/氢化丁腈 Viton/Silicone rubber/HNBR
24	端盖 End cover	2	压铸铝 Cast aluminum	粉末喷涂 Powder coating	
25	端盖螺栓 End cover bolt	8	不锈钢 Stainless steel		
26	限位螺栓 Limit bolt	2	不锈钢 Stainless steel		
27	限位螺母 Limit nut	2	不锈钢 Stainless steel		

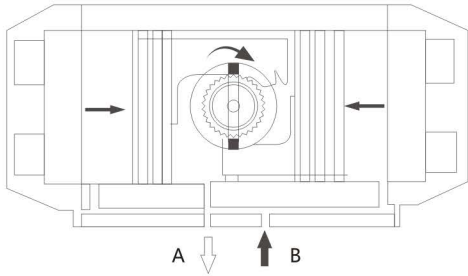
双作用式（俯视图）

Double acting (top view)



压缩空气由A口输入，使左右活塞向相反方向运动，输出轴逆时针方向转动，打开阀门，两活塞侧面空气由B口排除。

Compressed air is input from port A to make the left and right pistons move in opposite directions, The output shaft rotates counterclockwise to open the valve and air on the sides of the two pistons Excluded by port B.

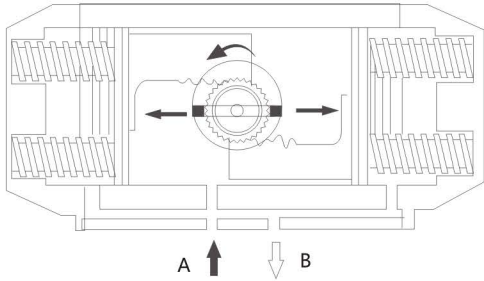


压缩空气由B口输入，使左右活塞向相反方向运动，输出轴顺时针方向转动，关闭阀门，两活塞侧面空气由A口排除。

Compressed air is input from port B to make the left and right pistons move in opposite directions, The output shaft rotates clockwise to close the valve and the sides of the two pistons are empty. Gas is removed from port A.

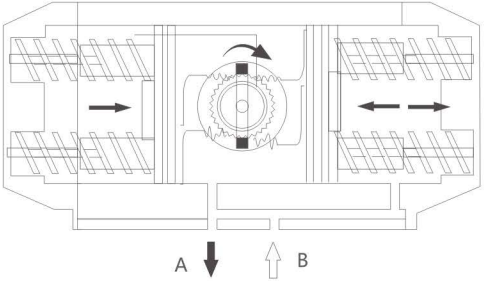
单作用式（俯视图）

Single acting (top view)



压缩空气由A口输入，使左右活塞向相反方向运动，输出轴逆时针方向转动，打开阀门，两活塞侧面空气由B口排除。

Compressed air is input from port A to make the left and right pistons move in opposite directions, The output shaft rotates counterclockwise to open the valve and air on the sides of the two pistons Excluded by port B.



失气或失电时，由于弹簧的作用使两活塞中心移动，输出顺时针方向，关闭阀门，空气由A口排除，B口进气可加速关闭阀门。

When losing air or power, the center of the two pistons moves due to the action of the spring, and the output Clockwise, close the valve, the air will be discharged from port A, and the intake of port B can accelerate Close the valve.

备注：

- 标准运作的旋转方向为顺时针关闭阀门，逆时针为打开阀门。
- 颠倒活塞装配的旋转方向为逆时针关闭阀门，顺时针为打开阀门

Remarks:

- The rotation direction of standard operation is to close the valve clockwise and counterclockwise To open the valve.
- Reverse the rotation direction of the piston assembly to close the valve counterclockwise The hour hand opens the valve

故障与对策

Failure and Countermeasure

故障现象 Fault Phenomenon	检查项目 Check Item	对策 Countermeasure
气动阀门不能动作 Pneumatic vavle does not act	1、电磁阀是否正常，线圈是否烧坏，电磁阀芯是否被脏物卡死。 Does the solenoid work normally?Is the circuit burned? Is the mandrel of the solenoid blocked by impurity?	更换电磁阀、更换线圈、清除脏物。 Replace the solenoid coil or remove the impurity
	2、对气动执行器单独供气试验，检查密封圈及气缸是否是损坏。 With air supplying the pneumatic actuator, are the o-rings or the cylinder broken?	更换已坏密封圈及气缸。 Replace the braken O -- rings and cylinder body
	3、阀内有杂质将阀芯卡住。 Is impurity blocking the valve?	清除杂质，更换已损件。 Clean out the impurity,replace the broken parts
	4、手动机构的手柄处在手动位置。 Is the handle of the manual equipment at the manual state ?	将手柄转到气动位置。 Put the hand le to the pneu matic state
动作迟缓、爬行 Acting slowly	1、气源压力不够。 Is the ar supply pressure rsufficient?	增加气源压力(0 m 4-0.7Mpa Improve the air pressure (0 m4-0.7Mpa)
	2、气动执行器输出扭矩过小。 Is the output torque of preumakc actuator not enough?	增大气动执行器的型号规格。 Select a bigger model of the pneumatic actu ator
	3.阀门阀芯或其他阀件装配太紧。 Is impurity blocking the valve?	重新装配调整。 Reassemble and adjust the valve
	4、气源管路堵塞，流量过小。 Is the air supply pipe blocked making the air flUX too small?	排除堵寒，更换过滤器滤芯。 Clean out the block, replece the filter stem
回信器无信号 The feedback has no signal	1、电源线路短路或断路。 Is the power shorted out or stopped?	检修电源线路。 Check thec rou itry
	2、回信器内凸轮位置不准确。 Is the cam of the feedback in the incorrect position?	调整凸轮至正确位置 Adjust the cam to the corrent position
	3、微动开关损坏。 Is the igge on-off brcken?	更换微动开关 Replace the iiqq le on-off

电动执行装置常规选型配件

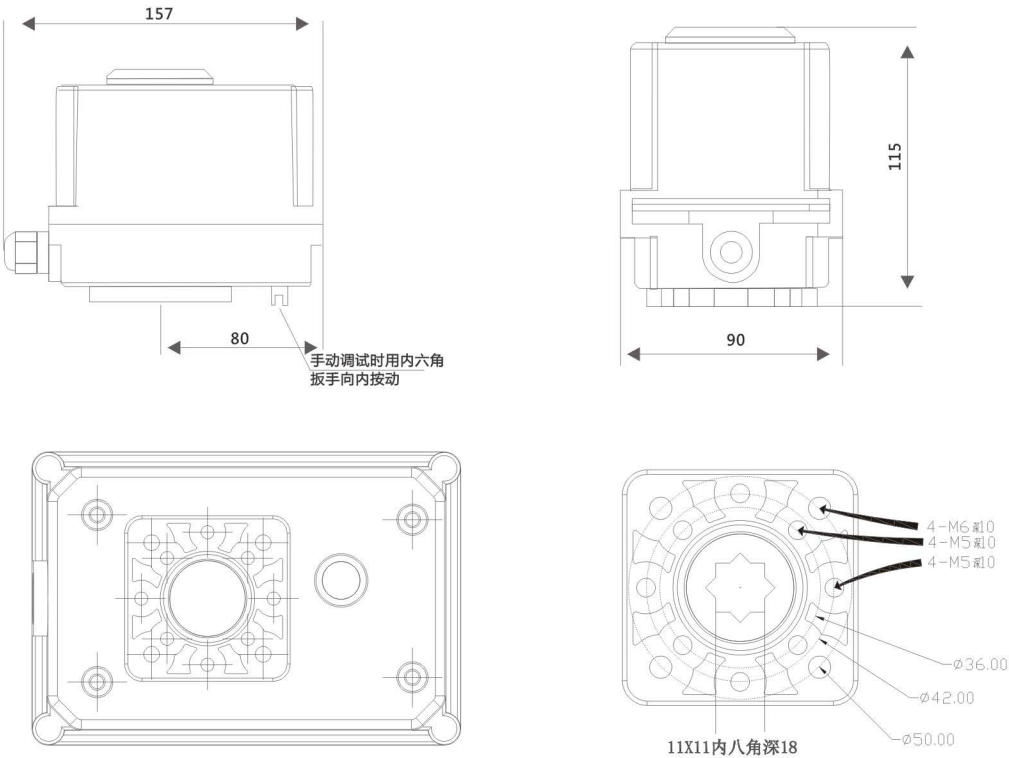
Electric actuator conventional selection accessories



执行器色调可定制 Actuator color can be customized

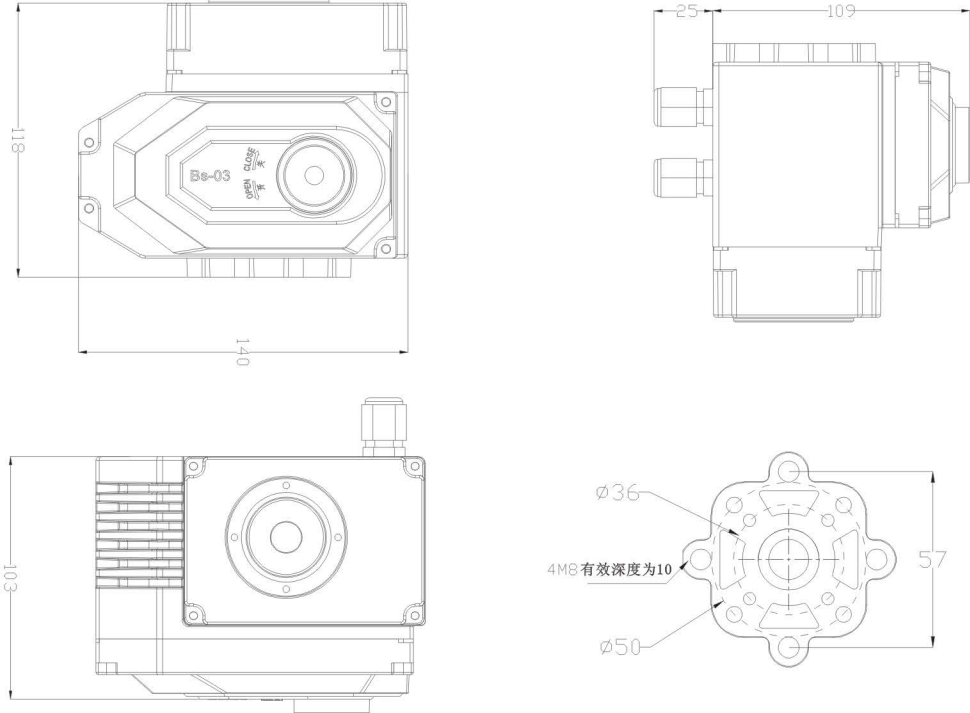
红色/red
蓝色/blue
黑色/black
橙色/Orange
灰色/gray

-03塑料系列外形尺寸与性能参数
 -03 Dimensions and performance parameters of plastic series



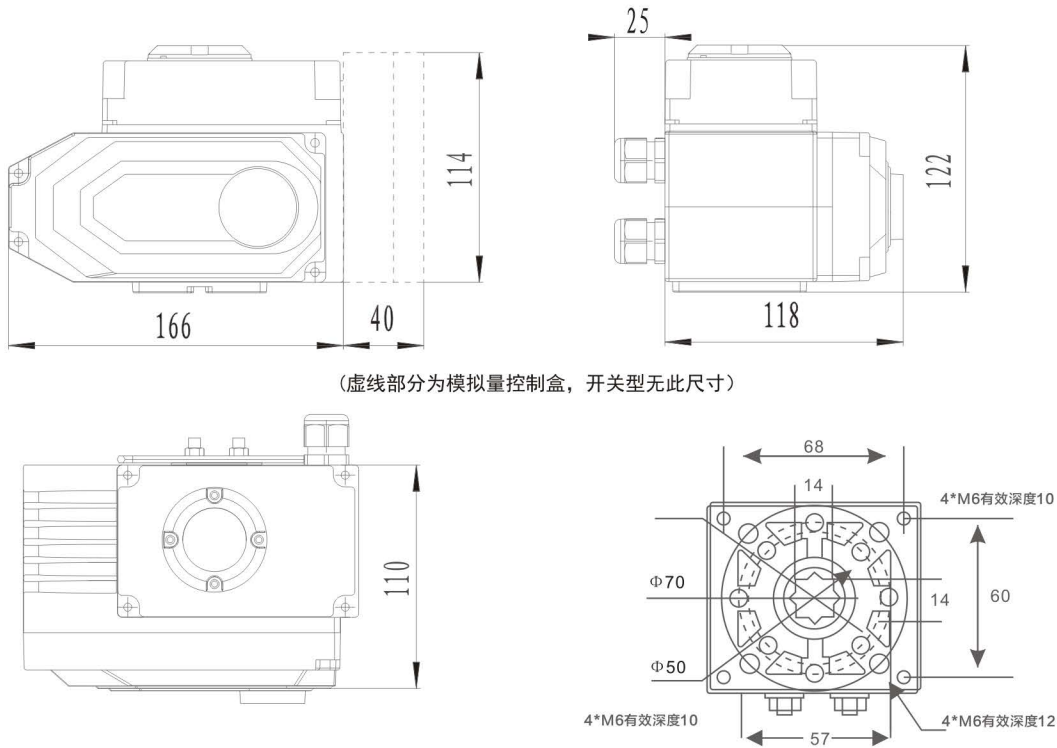
性 能	型号	-03					
	电 源	DC24V	DC220V	AC24V	AC110V	AC220V	AC380V
电机功率	2W			20W			
额定电流	0.2A	—	0.2A	—	0.1A	0.05A	
输出力矩	25~30Nm			30Nm			
运行时间	5S/10S/15S			10S/15S			
输出轴	方:11×11，深:18； 圆:φ12.6，深:18						
电路控制	B型、S型、R型、H型、A型、K型、D型、T型						
转动角度	0~270°						
重 量	1.4kg						
防护等级	IP-67						
环境温度	-25℃ ~ 60℃(其它温度可定做)						
安装角度	任意角度						
箱体材质	塑料件						
机 型	可配球阀	可配蝶阀	信 号			特殊功能	
03S	10-20	32-65	触点信号			无源触点	

-03系列外形尺寸与性能参数
 -03 series dimensions and performance parameters



性 能	型号	-03					
	电 源	DC24V	DC220V	AC24V	AC110V	AC220V	AC380V
电机功率	9W			7W			
额定电流	0.7A	—	—	—	0.2A	—	
输出力矩	40Nm/65Nm			15Nm/30Nm/45Nm/65Nm			
运行时间	18S			9S/10S			
输出轴	方:11×11，深:17； 圆:φ12.6，深:17						
电路控制	B型、S型、R型、H型、A型、K型、D型、T型						
转动角度	0~270°						
重 量	2.35kg						
耐压等级	500VAC/1分钟	1500VAC/1分钟					
绝缘电阻	100MΩ/300VDC	100MΩ/500VDC					
防护等级	IP-67						
环境温度	-25℃~60℃(其它温度可定做)						
安装角度	任意角度						
箱体材质	铝合金压铸件						
选装功能	过力矩保护、加热除湿器						
机 型	可配球阀	可配蝶阀	信 号		特殊功能		
03S	10-20	32-65	触点信号		无源触点		
03R	10-20	32-65	开度信号		1K、5K电位器		
03P	10-20	32-65	4-20mA		机内模块控制		

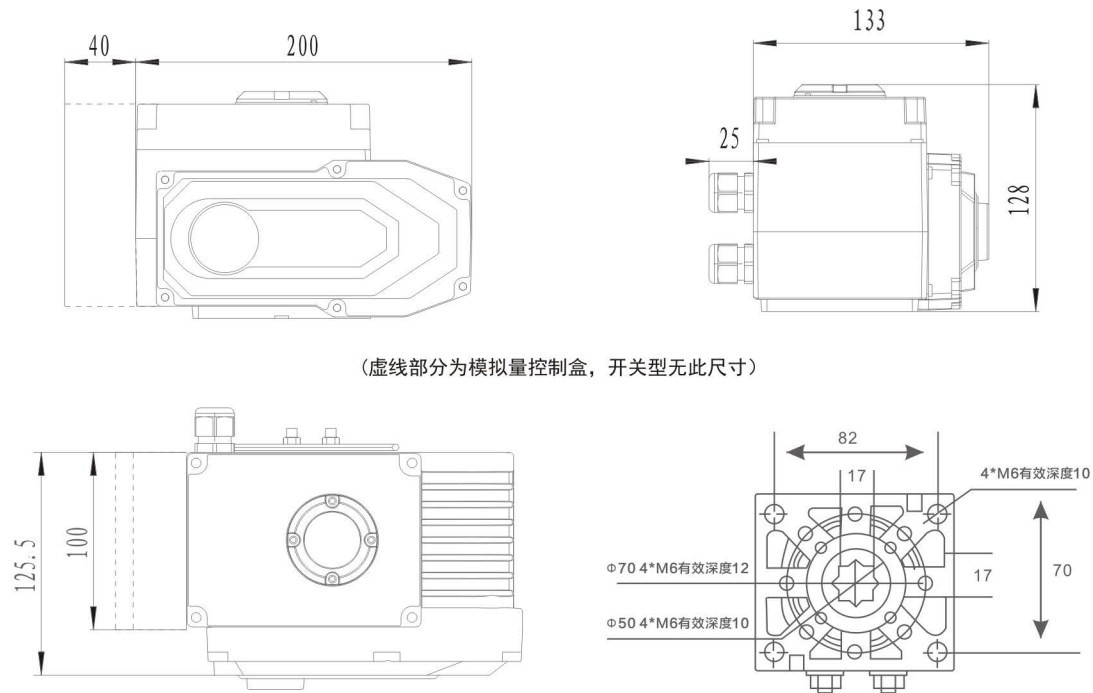
-05系列外形尺寸与性能参数
-05 series dimensions and performance parameters



(虚线部分为模拟量控制盒，开关型无此尺寸)

性 能	型号	-05				
	电 源	DC24V	DC220V	AC24V	AC110V	AC220V
电机功率	20W		10W			
额定电流	2A	0.21A	2.2A	0.48A	0.24A	0.13A
输出力矩	30Nm/50Nm		15Nm/30Nm/50Nm			
运行时间	6S/10S		10S/20S/30S			
输出轴	方:11×11/14 ×14，深: 15 /18； 圆: φ12. 6，深: 26					
电路控制	B型、S型、R型、H型、A型、K型、D型、T型					
转动角度	0~270°					
重 量	3. 26kg					
耐压等级	500VAC/1分钟	1500VAC/1分钟				
绝缘电阻	100MΩ/300VDC	100MΩ /500VDC				
防护等级	IP-67					
环境温度	-25℃ ~60℃其它温度可定做)					
安装角度	任意角度					
箱体材质	铝合金压铸件					
选装功能	过力矩保护、加热除湿器					
机 型	可配球阀	可配蝶阀	信 号		特殊功能	
05S	15-40	32-80	触点信号		无源触点	
05R	15-40	32-80	开度信号		1K、5K电位器	
05P	15-40	32-80	4-20mA		机内模块控制	

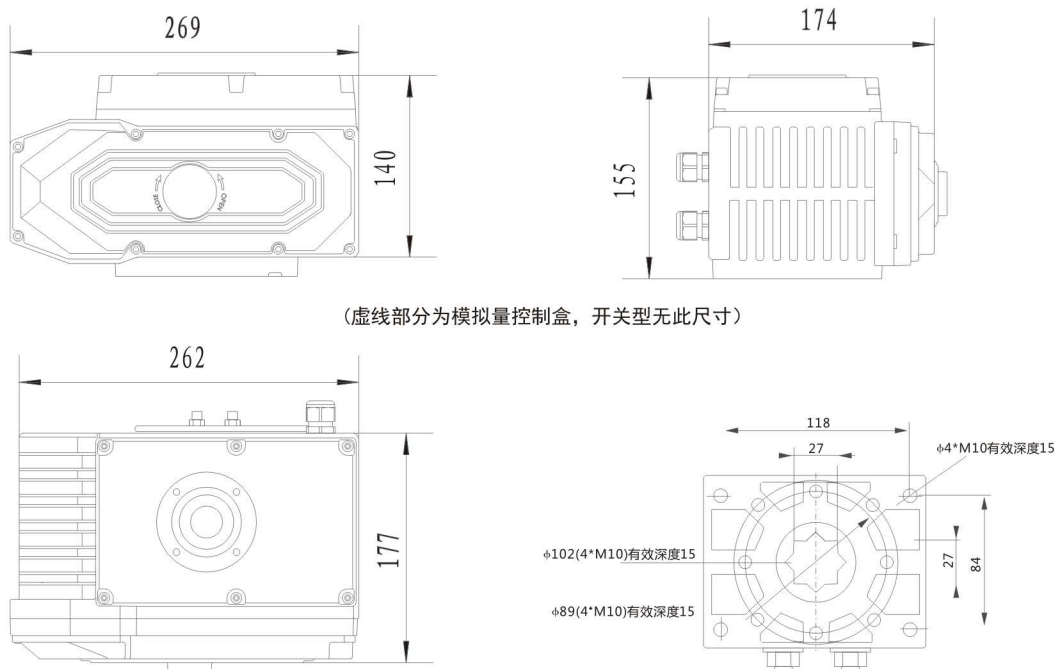
-10/16系列外形尺寸与性能参数
-10/16 series dimensions and performance parameters



(虚线部分为模拟量控制盒，开关型无此尺寸)

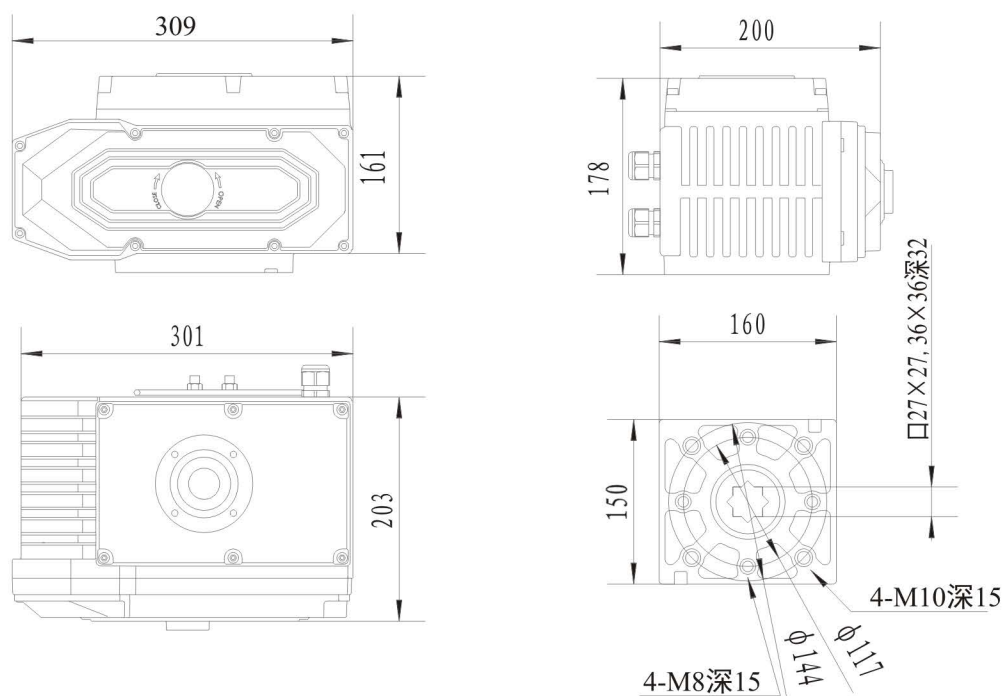
性 能	型号	-10/16					
	电 源	DC24V	DC220V	AC24V	AC110V	AC220V	AC415V
电机功率	40W		25W/30W				
额定电流	2. 4A	0. 32A	3A	0. 64A	0. 32A	0. 17A	
输出力矩	100Nm		50Nm/60Nm/100Nm				
运行时间	10S		13S/15S/20S/30S				
输出轴	方: 14×14/17 ×17，深: 18/23； 圆: φ 15.7/ φ 18.95 ，深: 28						
电路控制	B型、S型、R型、H型、A型、K型、D型、T型						
转动角度	0~270°						
重 量	4. 6kg						
耐压等级	500VAC/1分钟	1500VAC/1分钟					
绝缘电阻	100MΩ /300VDC	100MΩ /500VDC					
防护等级	IP-67						
环境温度	-25℃~60 ℃(其它温度可定做)						
安装角度	任意角度						
箱体材质	铝合金压铸件						
选装功能	过力矩保护、加热除湿器						
机 型	可配球阀	可配蝶阀	信 号		特殊功能		
10/16S	25-50	80-125	触点信号		无源触点		
10/16R	25-50	80-125	开度信号		1K、5K电位器		
10/16P	25-50	80-125	4-20mA		机内模块控制		

-20/60系列外形尺寸与性能参数
 -20/60 series dimensions and performance parameters



性能	型号	-20						-60					
	电源	DC24V	DC220V	AC24V	AC110V	AC220V	AC380V	DC24V	DC220V	AC24V	AC110V	AC220V	AC415V
电机功率		40W						90W					
额定电流		8A	0.35A	5A	0.9A	0.48A	0.25A	7A	0.9A	8A	2A	0.92A	0.40A
输出力矩		200Nm	80Nm/100Nm/150Nm/200Nm					150Nm/250Nm/300Nm/500Nm					
运行时间		10S	9S/15S/20S/30S/60S					9S/15S/20S/30S/60S					
输出轴		方: 14×14/17 ×17, 深: 18/32; 圆: φ 15.7/ φ 18.95, 深: 28											
电路控制		B型、S型、R型、H型、A型、K型、D型、T型											
转动角度		0～270°											
重 量		10kg						10.8kg					
耐压等级		100VAC/1分钟		1500VAC/1分钟									
绝缘电阻		500MΩ/300VDC		100MΩ/500VDC									
防护等级		IP-67											
环境温度		-25℃～60℃(其它温度可定做)											
安装角度		任意角度											
箱体材质		铝合金压铸件											
选装功能		过力矩保护、加热除湿器											
机 型		可配球阀		可配蝶阀		信 号			特殊功能				
20/60S		50-80/50-125		125-250/125-300		触点信号			无源触点				
20/60R		50-80/50-125		125-250/125-300		开度信号			1K、5K电位器				
20/60P		50-80/50-125		125-250/125-300		4-20mA			机内模块控制				

-100/200系列外形尺寸与性能参数
 -100/200 series dimensions and performance parameters



性能	型号	-100				-200			
	电源	AC24V	AC110V	AC220V	AC380V	AC24V	AC110V	AC220V	AC415V
电机功率		150W				250W			
额定电流		9A	2.2A	1.2A	0.48A	9A	2.2A	1.2A	0.45A
输出力矩		800Nm/1000Nm				2000Nm			
运行时间		30S/50S				100S			
输出轴		方:27×27, 深: 32; 圆: φ 31.65, 深: 45				Max φ 45, 深: 65			
电路控制		B型、S型、R型、H型、A型、K型、D型、T型							
转动角度		0~270°							
重量		11.9kg				12.2kg			
耐压等级		1500VAC/1分钟							
绝缘电阻		100MΩ/500VDC							
防护等级		IP-67							
环境温度		-25℃~60℃(其它温度可定做)							
安装角度		任意角度							
箱体材质		铝合金压铸件							
选装功能		过力矩保护、加热除湿器							
机 型		可配球阀	可配蝶阀	信 号			特殊功能		
100/200S		65-150/65-250	125-350/125-400	触点信号			无源触点		
100/200R		65-150/65-250	125-350/125-400	开度信号			1K、5K电位器		
100/200P		65-150/65-250	125-350/125-400	4-20mA			机内模块控制		

PNEUMATIC/ELECTRIC
THREE-WAY THREADED BALL VALVE
 气动/电动三通螺纹球阀 (压盖款/普通款)

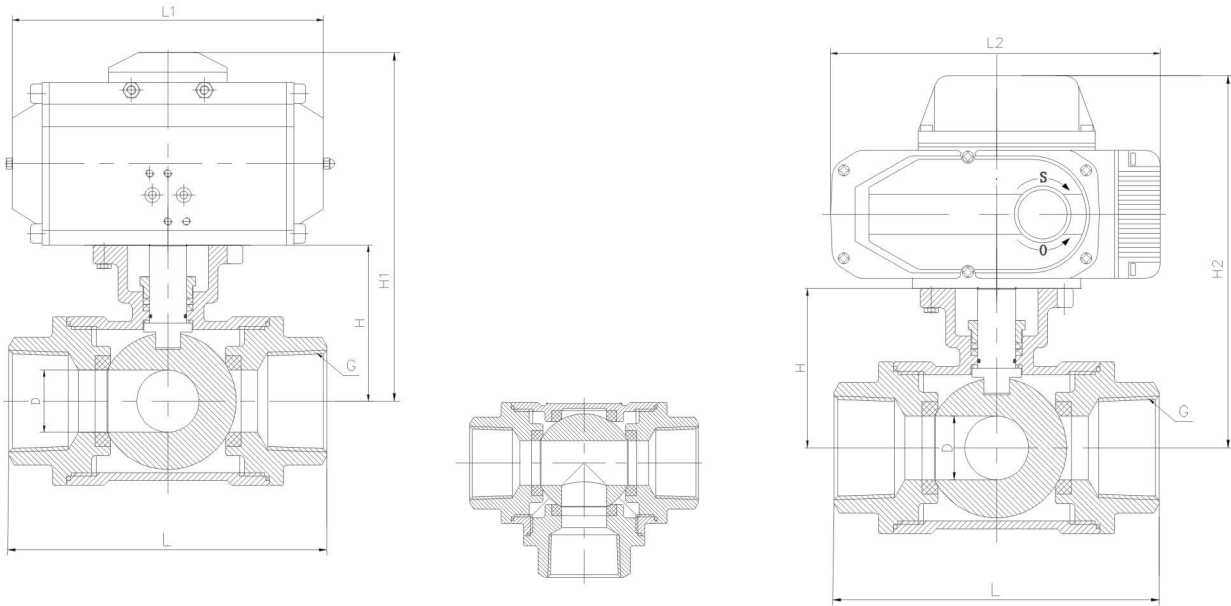


性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃

适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)



技术参数 Technical Parameter

规格 Specification		D	H	H1	H2	h	L	L1
DN8	1/4"	8	37	107/123	140	10	71	115/110
DN10	3/8"	10	37	107/123	140	10	71	115/110
DN15	1/2"	12	37	107/123	140	10	71	115/110
DN20	3/4"	15	39	123/137	144	10	80	110/155
DN25	1"	18	48	146/163	153	10	86	155/175
DN32	1-1/4"	25	56	183	161	12	108	190
DN40	1-1/2"	32	68	203	173/196	14	128	215
DN50	2"	38	74	209	202	14	142	215
DN65	2-1/2"	49	96	239/257	248	18	170	275/278
DN80	3"	53	103	264/298	273	18	215	278/310
DN100	4"	80	118	333	288	22	291	310/400

技术参数 Technical Parameter

L2	C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
				A	B			
155	35.5	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
155	35.5	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
155	35.5	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
161	40	30/41.5	115	F04	F05	9	AT40/AT52	FR-05A
161	43	41.5/47	115	F04	F05	11	AT52/AT63	FR-05A
161	54	53	115	F04	F05	11	At75	FR-05A
161/197	64	57	115/122	F05	F07	14	At83	FR-05A/10A
161/197	71	57	115/122	F05	F07	14	At83	FR-10A
256	85	58.5/64	159	F07	F10	17	AT92/AT105	FR-20A
256	107.5	64/74	159	F07	F10	17	AT105/AT125	FR-20A
256	145.5	74/77	159	F10	F12	17	AT125/AT140	FR-40A

PNEUMATIC/ELECTRIC
QUICK-FIT THREE-WAY BALL VALVE
 气动/电动快装三通球阀 (压盖款/普通款)

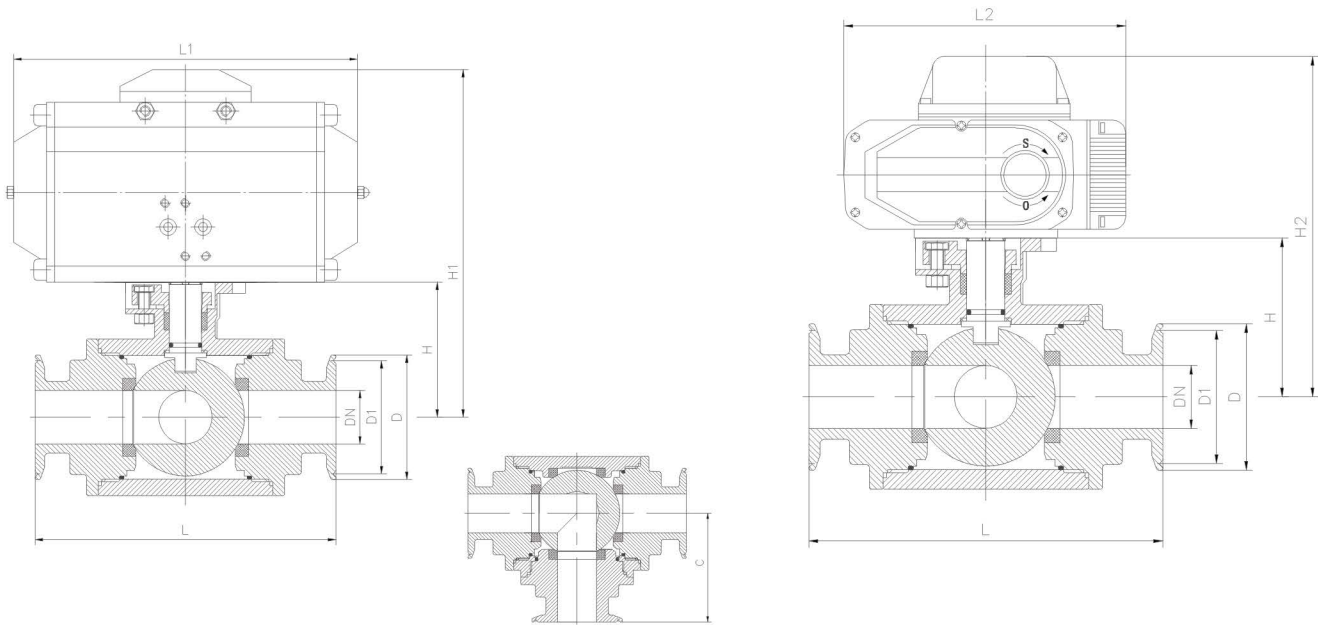


性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃

适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)



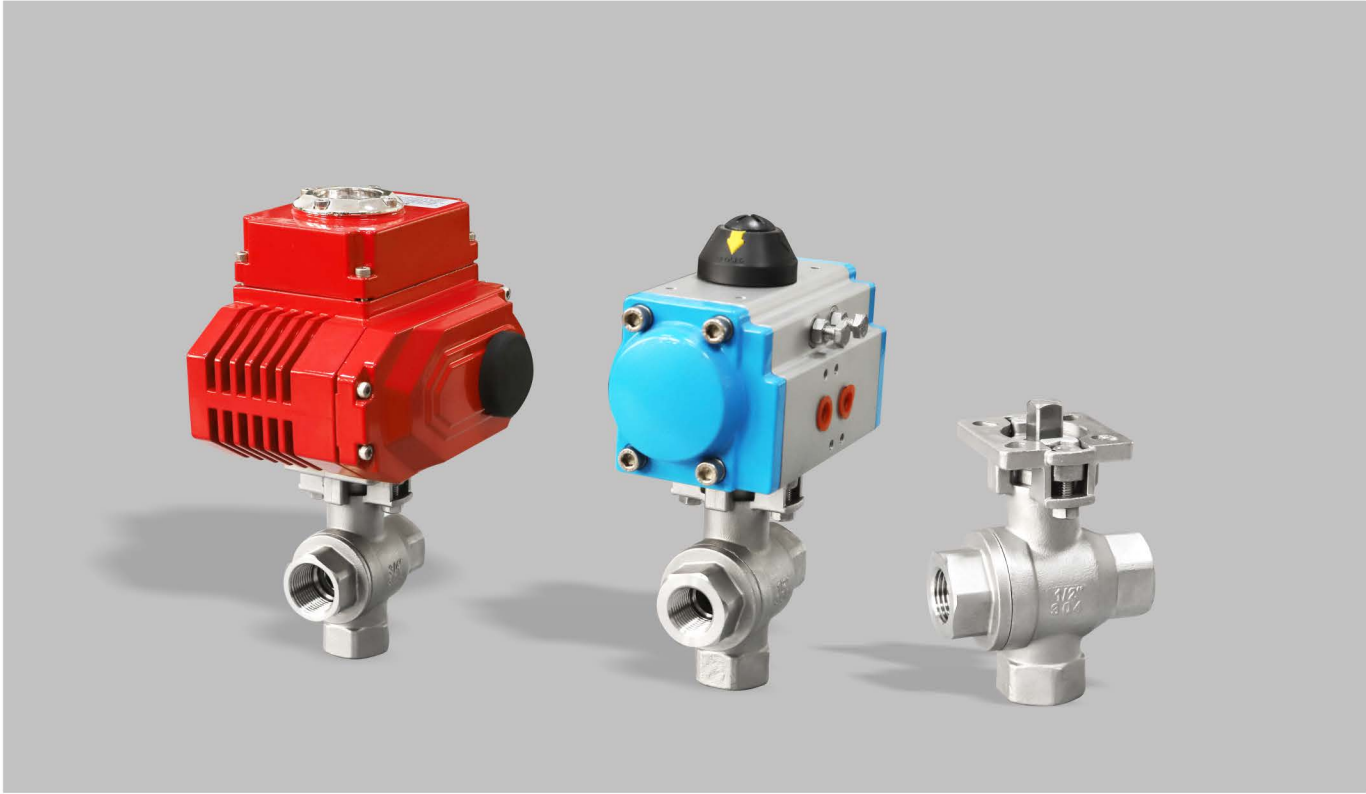
技术参数 Technical Parameter

规格 Specification		卡盘接口 Chuck interface	D	H	H1	H2	h	L	L1
DN 15	1/2"	φ50.5	12	37	121/135	158	10	100	110/155
DN 20	3/4"	φ50.5	15	39	137	160	10	100	110
DN 25	1"	φ50.5	18	48	146/163	169	10	111	155/175
DN 32	1-1/4"	φ50.5	25	56	183	177	10	140	190
DN 40	1-1/2"	φ50.5	32	68	203	189	14	160	215
DN 50	2"	φ64	38	74	209	195	14	180	215
DN 65	2-1/2"	φ77.5	49	96	239/257	248	18		278
DN 80	3"	φ92	83	103	264/298	273	18		310

技术参数 Technical Parameter

L2	C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
				A	B			
166	50	30/41.5	108	F04	F05	9	AT40/AT52	FR-05A
166	50	41.5	108	F04	F05	9	AT52D	FR-05A
166	55.5	41.5/47	108	F04	F05	11	AT52/AT63D	FR-05A
166	70	53	108	F04	F05	11	At75	FR-05A
166	80	57	108	F05	F07	14	At83	FR-05A
166	90	57	108	F05	F07	14	AT83/AT92	FR-05A
215		58.5/64	143	F07	F10	17	At105	FR-10A
260		64/74	165	F07	F10	17	AT125	FR-20A/40A

PNEUMATIC/ELECTRIC
VERTICAL THREE-WAY BALL VALVE
 气动/电动立式三通球阀

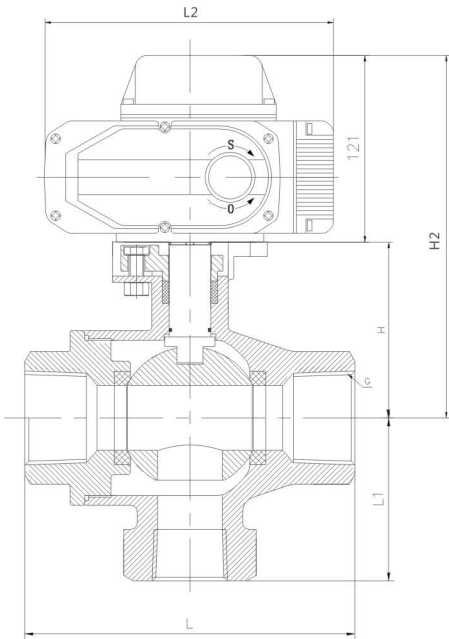
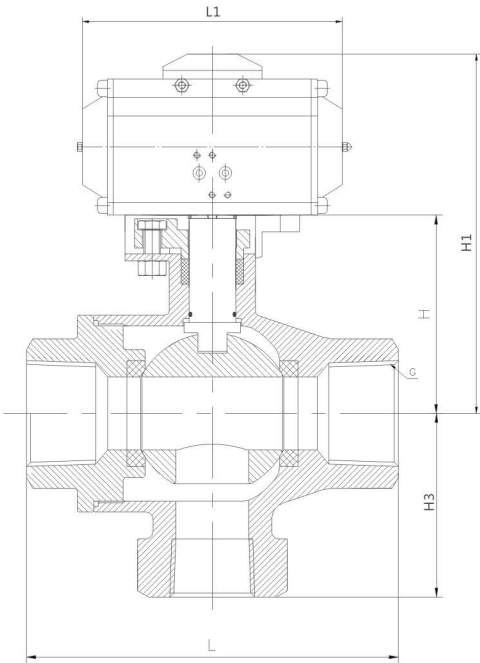


性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃

适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)



技术参数 Technical Parameter

规格 Specification	螺纹接口 Chuck interface	D	H	H1	H2	h	L	L1	L2
DN 8	1/4"	8	60	130/146	178	10	80	115/110	155
DN 10	3/8"	10	60	130/146	178	10	80	115/110	155
DN 15	1/2"	15	60	130/146	178	10	80	115/110	155
DN 20	3/4"	20	60	146/158	182	10	80	110/155	161
DN 25	1"	25	65	158/180	187	10	90	155/175	161
DN 32	1-1/4"	28	70	175	192	12	110	190	161
DN 40	1-1/2"	32	75	210	197/203	14	130	215	161/197
DN 50	2"	38	80	215	208	14	145	215	161/197

技术参数 Technical Parameter

C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
60	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
60	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
60	23.5/30	110	F04	F05	9	AT32/AT40	FR-03A
60	30/41.5	115	F04	F05	9	AT40/AT52	FR-05A
60	41.5/47	115	F04	F05	11	AT52/AT63	FR-05A
65	53	115	F04	F05	11	AT 75	FR-05A
70	57	115/122	F05	F07	14	AT 83	FR-05A/10A
90	57	115/122	F05	F07	14	AT 83	FR-10A

PNEUMATIC/ELECTRIC
FOUR-WAY (FIVE-WAY) BALL VALVE
 气动/电动四通（五通）球阀（压盖款/普通款）

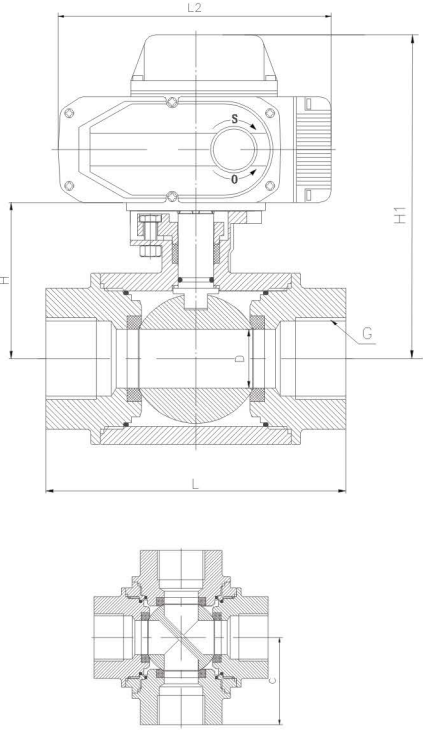
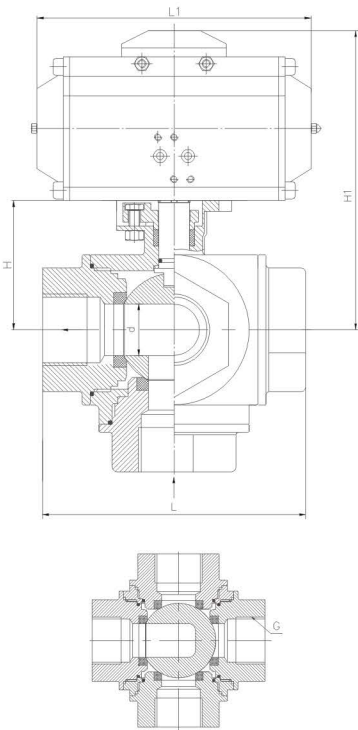


技术参数 Technical Parameter

规格 Specification	螺纹接口 Chuck interface	D	H	H1	H2	h	L	L1	L2
DN 8	1/4"	8	46	131/144	104	10	70	110/155	69
DN 10	3/8"	10	46	131/144	104	10	70	110/155	69
DN 15	1/2"	12	46	131/144	104	10	70	110/155	69
DN 20	3/4"	15	48	146	130	10	80	115	110
DN 25	1"	18	75	170	137	10	86	175	110
DN 32	1-1/4"	25	65	192	147	10	108	190	110/168
DN 40	1-1/2"	32	73	208	218	14	128	215	168
DN 50	2"	38	78	213	223	14	142	215	168
DN 65	2-1/2"								
DN 80	3"								
DN100	4"								

性能规范 Performance specification

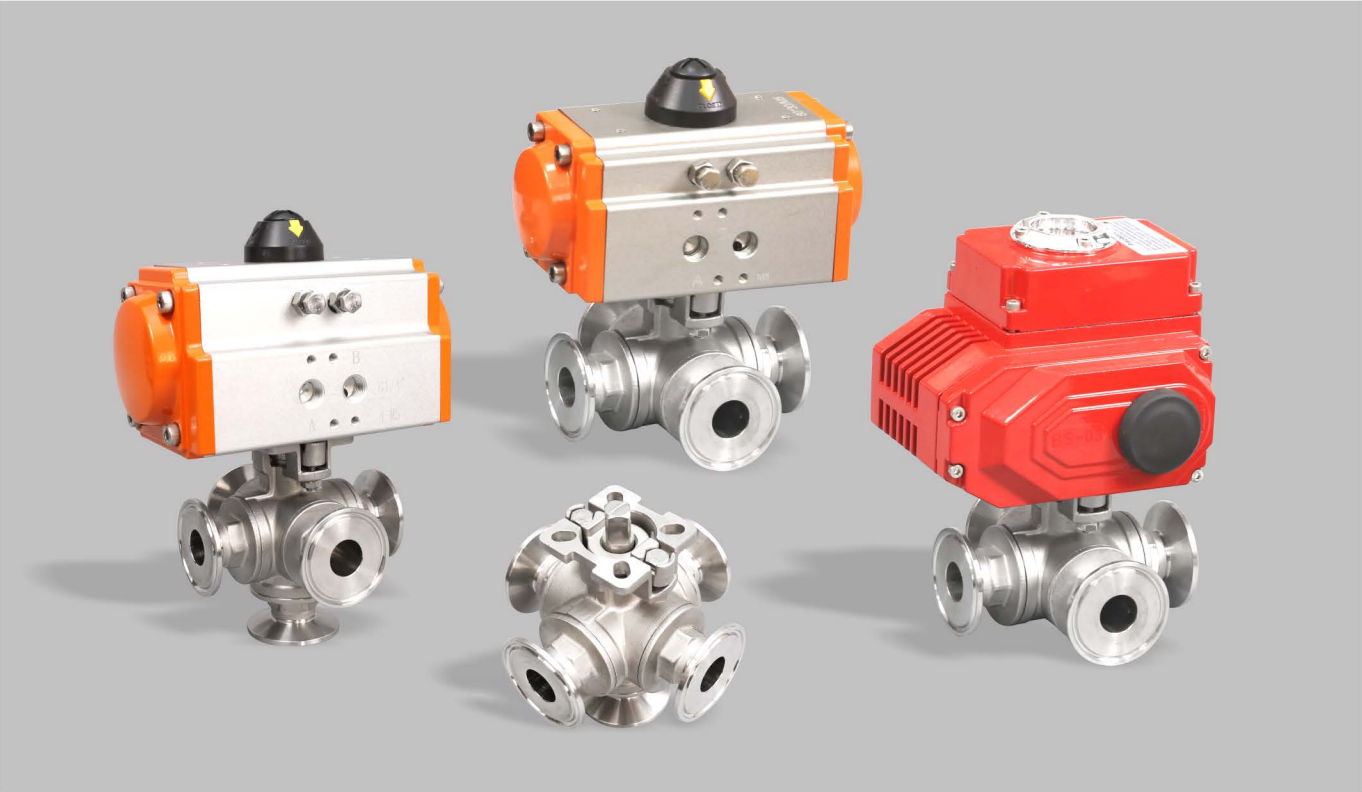
公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃



技术参数 Technical Parameter

C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
30/41.5	35	30	F04	F05	9	AT40AT52	FR-02C
30/41.5	35	30	F04	F05	9	AT40/AT52	FR-02C
30/41.5	35	30	F04	F05	9	AT40/AT52	FR-02C
41/5	40	45	F04	F05	9	AT 52	FR-05C
47	43	45	F04	F05	11	AT 63	FR-05C
53	54	45/73	F04	F05	11	AT 75	FR-05C/08C
57	64	73	F07	F07	14	AT 83	FR-08C
57	71	73	F07	F07	14	AT 83	FR-08C

PNEUMATIC/ELECTRIC
FOUR-WAY (FIVE-WAY) QUICK-FIT BALL VALVE
 气动/电动四通（五通）快装球阀(压盖款/普通款)

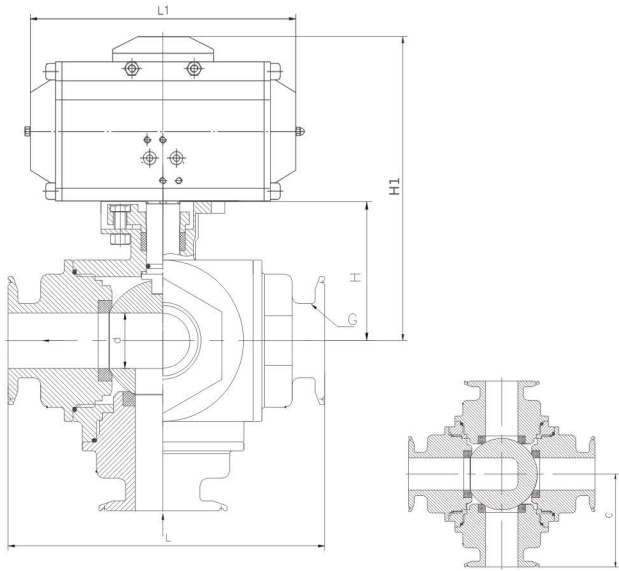


技术参数 Technical Parameter

规格 Specification	卡盘接口 Chuck interface	D	H	H1	H2	h	L	L1	L2
DN 8									
DN 10									
DN 15	50.5	12	46	131/144	104	10	100	155	69
DN 20	50.5	15	48	146	130	10	100	155	110
DN 25	50.5	18	55	170	137	10	111	175	110
DN 32	50.5	25	65	192	147	10	140	175	110/168
DN 40	50.5	32	73	208	218	14	160	190	168
DN 50	64	38	78	213	223	14	180	215	168
DN 65									
DN 80									
DN100									

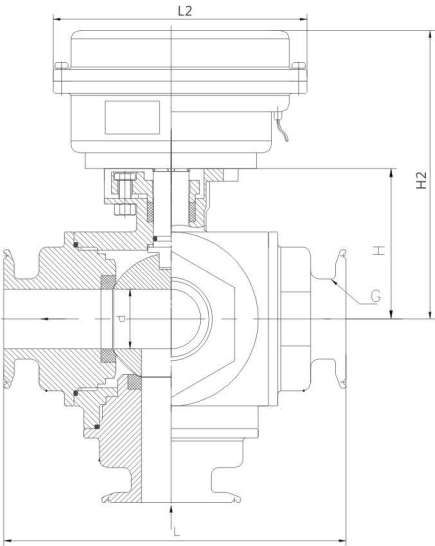
性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃



适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)

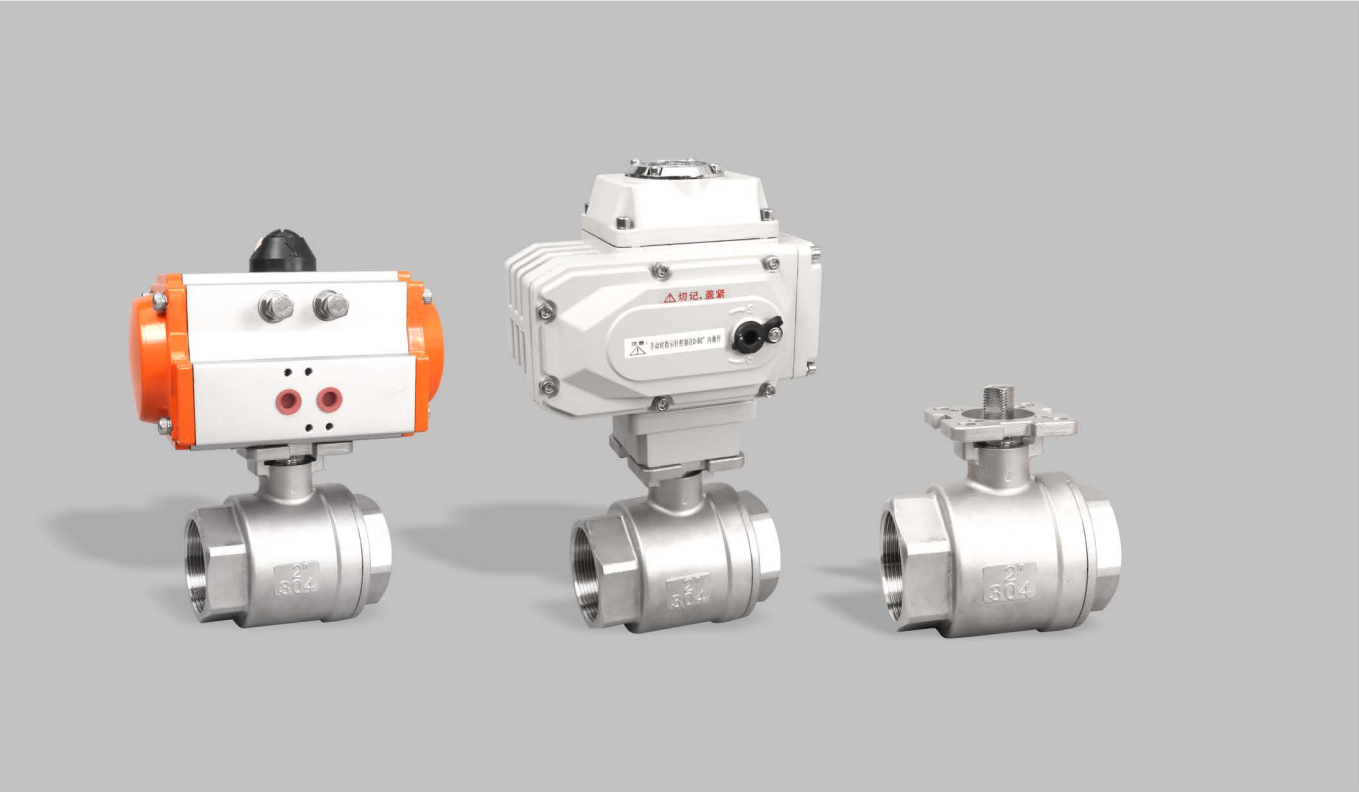


技术参数 Technical Parameter

C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
50	30/41.5	30	F04	F05	9	AT 52	FR-02C
50	41.5	45	F04	F05	9	AT 52	FR-05C
55.5	47	45	F04	F05	11	AT 63	FR-05C
70	53	45/73	F04	F05	11	AT 63	FR-05C/08C
80	57	73	F07	F10	14	AT 75	FR-08C
90	57	73	F07	F10	14	AT83	FR-08C

PNEUMATIC/ELECTRIC
2PC BALL VALVE

气动/电动二片式球阀(压盖款/普通款)



技术参数 Technical Parameter

规格 Specification	螺纹接口 Threaded interface	D	H	H1	H2	h	L	L1	L2
DN 8	1/4"	8	38	83/108	175	10	62	110/155	142
DN 10	3/8"	10	38	83/108	175	10	62	110/155	142
DN 15	1/2"	15	38	83/108	175	10	62	110/155	142
DN 20	3/4"	20	44	114/129	177	10	71	155	166
DN 25	1"	25	55	153	183	10	85	155	166
DN 32	1-1/4"	32	61	159/176	189	12	95	155/175	166
DN 40	1-1/2"	38	71	198	196	14	106	190	166
DN 50	2"	49	85	212	215	14	120	190	215
DN 65	2 1/2"	65	107	228	231	18	144	255	215
DN 80	3"	78	113	257/308	255	18	168	278/310	260
DN100	4"	100	135	330	280	22	203	310	260

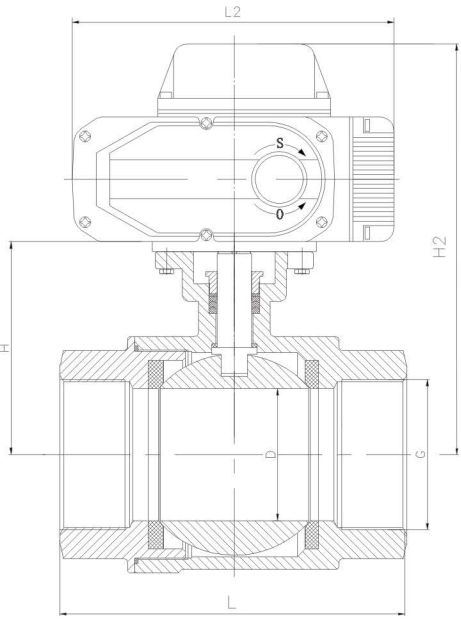
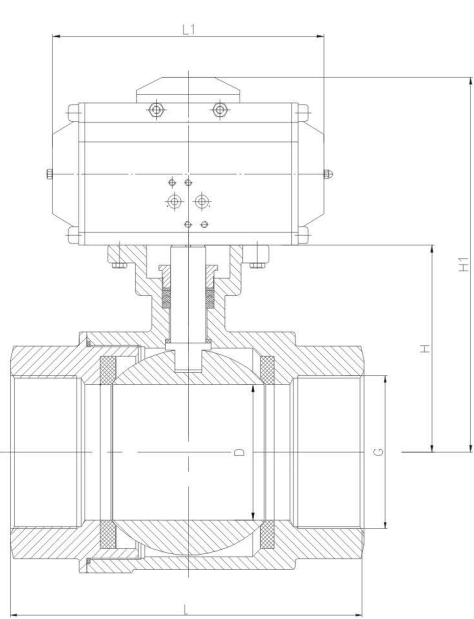
性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa

强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa

低压气密封试验压力Low pressure gas seal test pressure：0.6MPa

适用温度Applicable temperature：-20~180℃



适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)

Q11F-(16-64)P硝酸类 (nitric acid)

Q11F-(16-64)R醋酸类 (acetateu)

技术参数 Technical Parameter

C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
44	30/41.5	103	F03	F03	9	AT40/AT52	FR-03B
44	30/41.5	103	F03	F04	9	AT40/AT52	FR-03B
44	30/41.5	103	F03	F04	9	AT40/AT52	FR-03B
44	41.5	110	F03	F04	9	AT 50	FR-03B
50	41.5	110	F04	F05	11	AT 52	FR-05B
63	41.5/47	110	F04	F05	11	AT52/AT63	FR-05B
72	53	110	F05	F07	14	AT 75	FR-05B
90	53/57	133	F05	F07	14	AT75/AT83	FR-05B
118	58.5	133	F07	F10	17	AT 92	FR-10B
136	64/67	174	F07	F10	17	AT105/AT125	FR-20B
180	74	174	F10	F12	17	AT 125	FR-40B

PNEUMATIC/ELECTRIC
3PC BALL VALVE

气动/电动三片式球阀(压盖款/普通款)

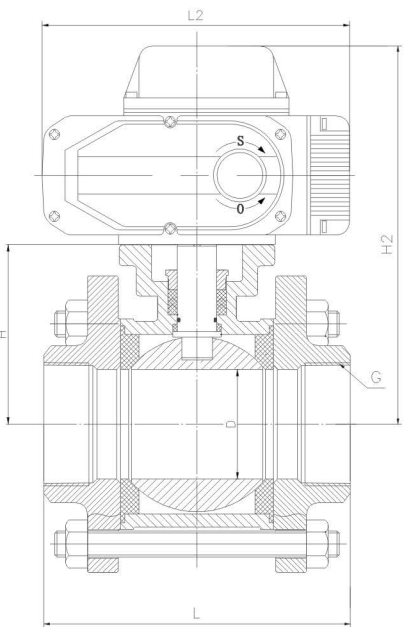
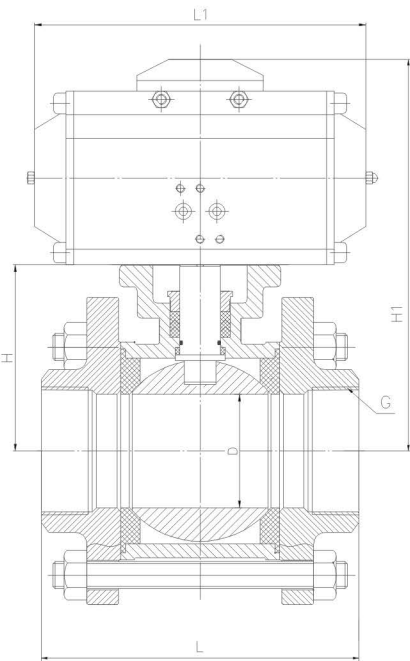


技术参数 Technical Parameter

规格 Specification	螺纹接口 Threaded interface	D	H	H1	H2	h	L	L1	L2
DN 8	1/4"	8	43	113/128	168	10	68	115/110	142
DN 10	3/8"	10	43	113/128	168	10	68	115/110	142
DN 15	1/2"	15	43	113/128	168	10	68	115/110	142
DN 20	3/4"	20	41	126/139	162	10	79	110/155	166
DN 25	1"	25	49	147	170	10	83	155	166
DN 32	1-1/4"	32	54	152/169	175	12	100	155/175	166
DN 40	1-1/2"	38	64	191	185	14	108	190	166
DN 50	2"	49	73	200/208	195	14	127	190/215	215
DN 65	2 1/2"	65	98	239	225	18	167	255	215
DN 80	3"	78	110	271/305	250	18	192	278/310	260
DN100	4"	100	142	337	282	22	242	310	260

性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃



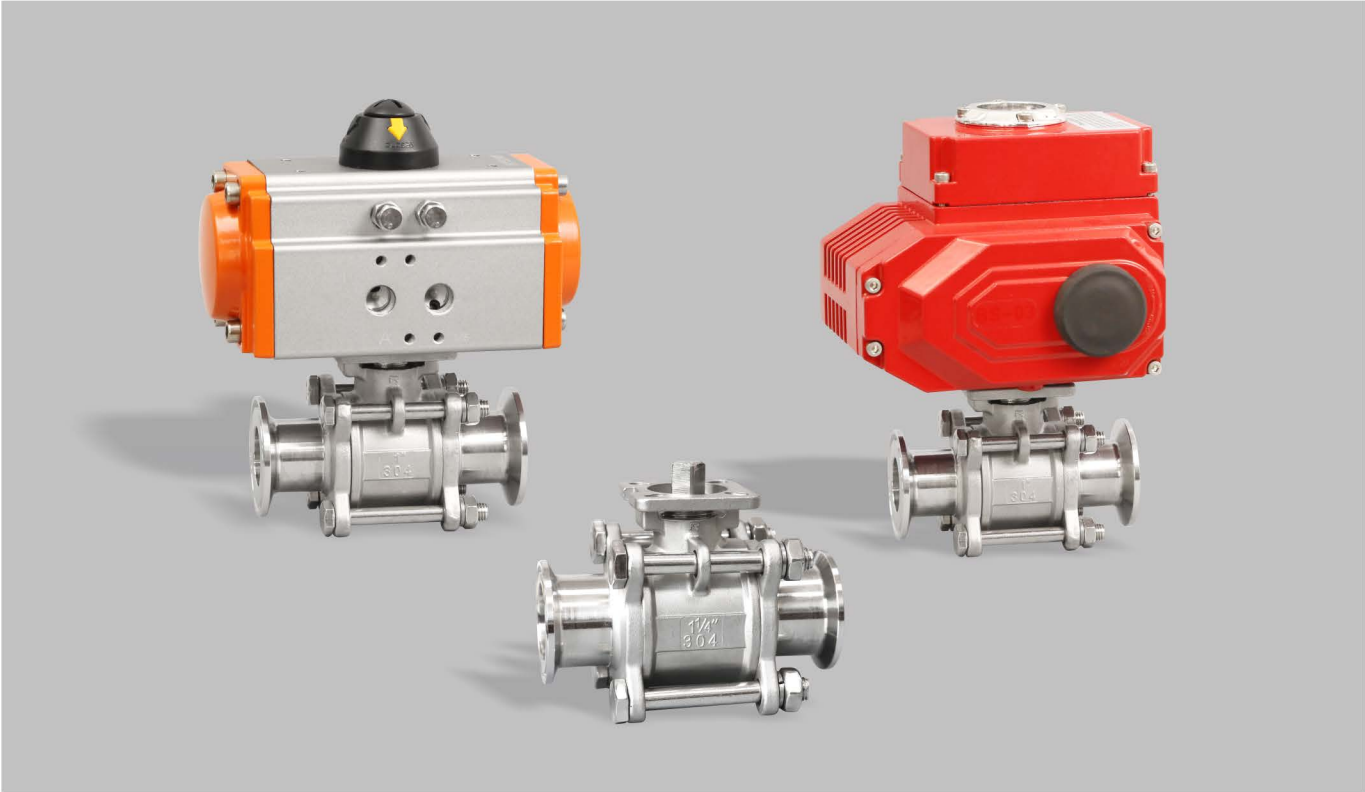
适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)

技术参数 Technical Parameter

C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
48	23.5/30	103	F04	F05	9*9	AT32/AT40	FR-03B
48	23.5/30	103	F04	F05	9*9	AT32/AT40	FR-03B
48	23.5/30	103	F04	F05	9*9	AT32/AT40	FR-03B
51	30/41.5	110	F03	F04	9*9	AT40/AT52	FR-05B
59	41.5	110	F04	F05	11*11	AT 52	FR-05B
73	41.5/47	110	F04	F05	11*11	AT52/AT63	FR-05B
78	53	10	F05	F07	14*14	AT/75	FR-05B
90	53/57	125	F05	F07	14*14	AT75/AT83	FR-10B
118	58.5	125	F07	F10	17*17	AT 92	FR-15B
143	64/74	177	F07	F10	17*17	AT105/AT125	FR-20B
228	74	177	F10	F12	17*17	AT 125	FR-40B

PNEUMATIC/ELECTRIC
3PC QUICK-FIT BALL VALVE
 气动/电动三片式快装球阀(压盖款/普通款)

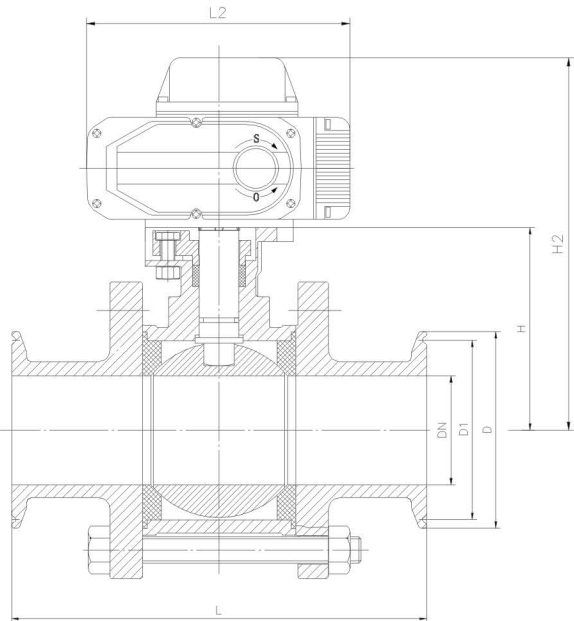
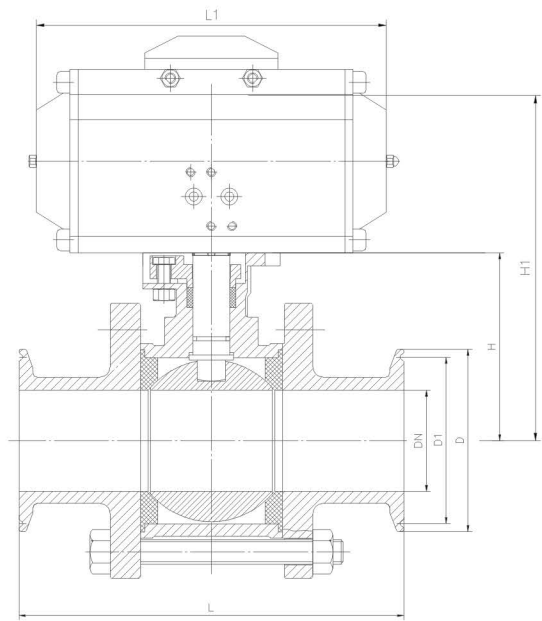


技术参数 Technical Parameter

规格 Specification	卡盘接口 Chuck interface	D	H	H1	H2	h	L	L1	L2
DN 8									
DN 10									
DN 15	50.5	15	50	120/135	175	10	101	115/110	142
DN 20	50.5	20	52	138/150	177	10	101	110/115	166
DN 25	50.5	25	58	156	183	10	110	155	166
DN 32	50.5	32	64	162/179	189	10	120	155/175	166
DN 40	50.5/64	38	71	198/206	196	14	130	190/215	166
DN 50	64/77.5	49	79	206/214	215	14	158	190/215	215
DN 65	97.5	65	104	247	231	18		255	215
DN 80	92	78		258/276	255	18		278/310	260
DN100	108	100	144	339	285	22		310	260

性能规范 Performance specification

公称压力Nominal pressure：PN1.6，2.5，4.0，6.4MPa
 强度试验压力Strength test pressure：PT2.4,3.8,6.0,9.6MPa
 低压气密封试验压力Low pressure gas seal test pressure：0.6MPa
 适用温度Applicable temperature：-20~180℃



适用介质 Applicable medium

Q11F-(16-64)C水、油品、气 (water、oil、gas)
 Q11F-(16-64)P硝酸类 (nitric acid)
 Q11F-(16-64)R醋酸类 (acetateu)

技术参数 Technical Parameter

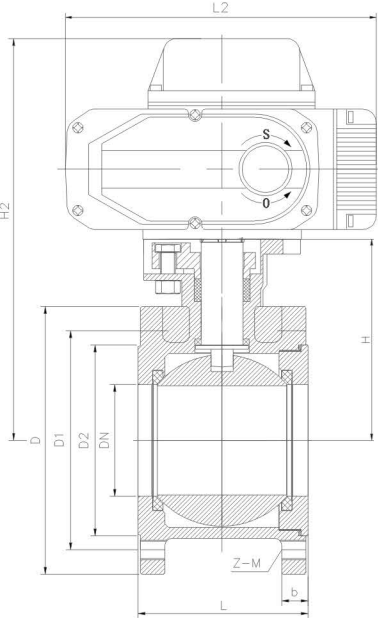
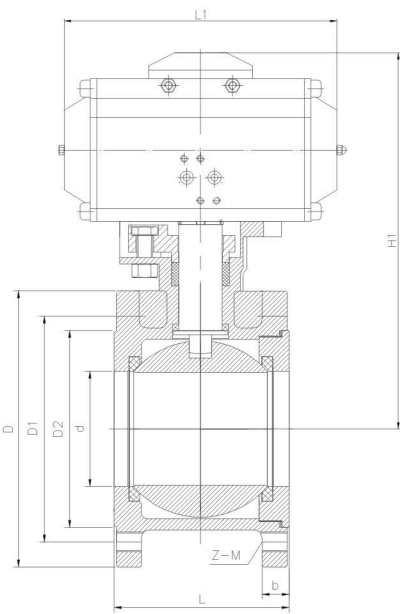
C	C1	C2	ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
			A	B			
48	23.5/30	103	F04	F05	9	AT32/AT40	
51	30/41.5	110	F04	F05	9	AT40/AT52	
59	41.5	110	F04	F05	11	AT 52	
73	41.5/47	110	F04	F05	11	AT63/AT75	
78	53/57	110	F05	F07	14	AT75/AT83	
90	53/57	133	F05	F07	14	AT75/AT83	
116	58.5	133	F07	F10	17	AT 92	
	64/67	174	F07	F10	17	AT92/AT105	
228	74	174	F10	F12	17	AT125	

PNEUMATIC/ELECTRIC
THIN BALL VALVE
 气动/电动薄型球阀



尺寸列表 Dimensions

规格 Specification		外形尺寸 Dimensions									
		d	H	H1	h	L	L1	L2	H2	C1	C2
DN 15	1/2"	15	57	155	10	35	155	166	165	41.5	108
DN 20	3/4"	20	62	160	10	38	155	166	170	42	108
DN 25	1"	25	67	182	11	42	175	166	175	47	108
DN 32	1-1/4"	32	74	189	11	53	175	166	182	47	108
DN 40	1-1/2"	38	82	209	14	63	190	166	190	53	108
DN 50	2"	46	93	228	14	73	215	215	236	57	143
DN 65	2-1/2"	57	104	200	18	95	255	215	247	59	143
DN 80	3"	73	122	283	18	118	278	260	292	64	165
DN100	4"	90	131	326	18	140	310	260	301	74	165
DN125	5"	110			20	180	400	260		77	165
DN150	6"	145			20	230	456	310			180
DN200	8"	195			24	275	525	310			180



尺寸列表 Dimensions

连接尺寸 Connection size						ISO-5211		S	气动执行器 Pneumatic Actuators	电动执行器 Electric Actuator
D	D1	D2	B	f	N-md	A	B			
93	65	45	7.5	2	4-M12	F04	F05	9	AT52D	FR-A05
103	75	55	8	2	4-M12	F04	F05	9	AT52D	FR-A05
113	85	65	9	2	4-M12	F04	F05	11	AT63D	FR-A05
133	100	78	12	2	4-M16	F04	F05	11	AT63D	AR-A05
143	110	85	13	2.5	4-M16	F05	F07	14	AT75D	AR-A05
158	125	100	13	2.5	4-M16	F05	F07	14	AT83D	FR-A10
177	145	120	15	3	8-M16	F07	F10	17	AT92D	AR-A15
192	160	135	16	3	8-M16	F07	F10	17	AT105D	AR-A20
212	180	155	16	3	8-M16	F07	F10	17	AT125D	FR-A40
250	210	185	20	3	8-M16	F10	F12	22	AT140D	FR-A50
285	240	210	22	3	8-M20	F10	F12	27	AT160D	FR-A100
340	295	265	24	3	8-M20	F10	F12	27	AT190D	FR-A200

PNEUMATIC/ELECTRIC
NATIONAL STANDARD FLANGE BALL VALVE
气动/电动国标法兰球阀



尺寸列表 Dimensions		G22 机械部 JB PN16															单位 Unit: mm	
尺寸 Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	130	15	45	65	95	14	2	4-14	51	9	83	140	3.0	3.5	36	50	9X9
20	3/4"	140	20	55	75	105	14	2	4-14	56	9	88	140	3.0	3.5	36	50	9X9
25	1"	*150/140	25	65	85	115	14	2	4-14	62	11	97	170	3.0	3.5	42	50	11X11
32	1-1/4"	165	32	78	100	135	16	2	4-18	72	11	107	170	3.0	3.5	42	50	11X11
40	1-1/2"	180	40	85	110	145	16	3	4-18	78	14	116	200	3.5	4.5	50	70	14X14
50	2"	200	50	100	125	160	16	3	4-18	86	14	124	200	3.5	4.5	50	70	14X14
65	2-1/2"	220	65	120	145	180	18	3	4-18	102	17	146	300	4.5	5.5	70	102	17X17
80	3"	250	80	135	160	195	20	3	8-18	115	17	159	300	4.5	5.5	70	102	17X17
100	4"	280	100	155	180	215	20	3	8-18	137	17	181	300	4.5	5.5	70	102	17X17
125	5"	320	125	185	210	250	22	3	8-18	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	360	150	210	240	280	24	3	8-23	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	400	200	265	295	335	26	3	12-23	234	35	280	300	5.5	6.5	102	125	27X27

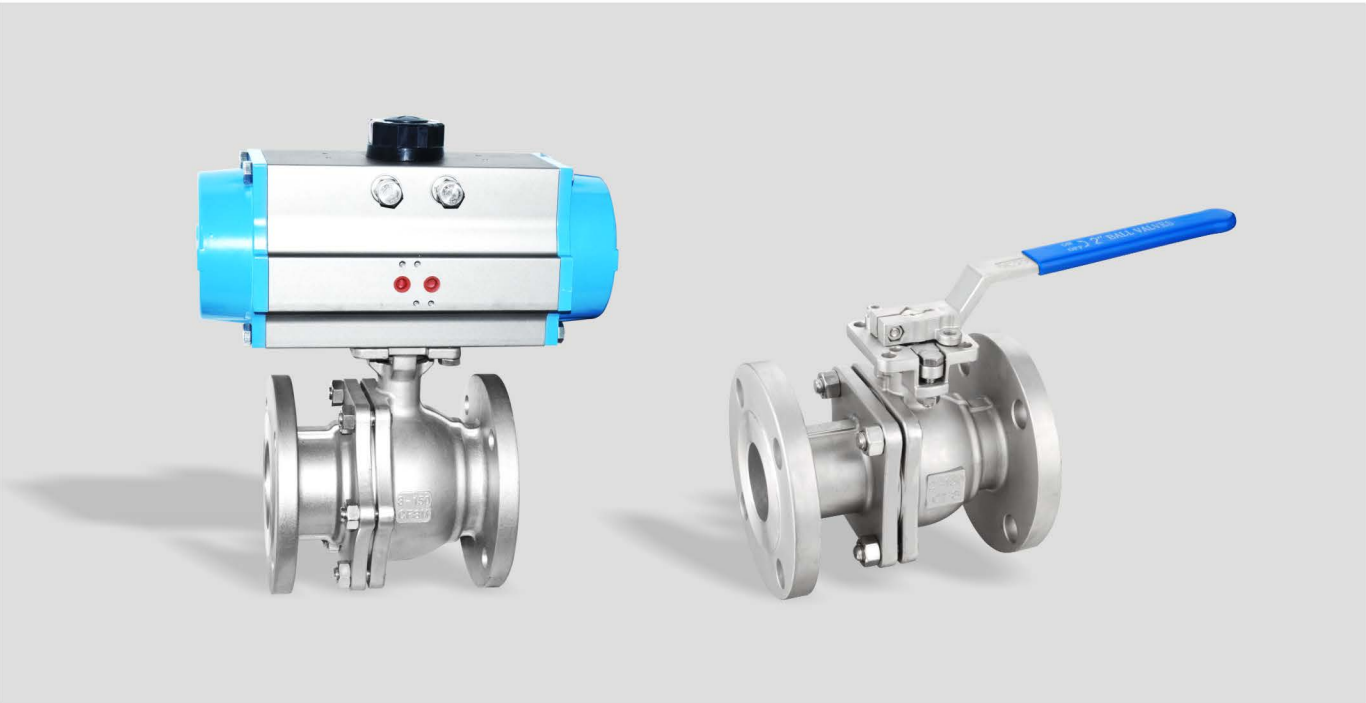
尺寸列表 Dimensions		G2S 化工部短系列 HG Short series PN16															单位 Unit: mm	
尺寸 Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	108	15	45	65	95	16	2	4-14	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	117	20	58	75	105	18	2	4-14	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	127	25	68	85	115	18	2	4-14	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	140	32	78	100	140	18	2	4-18	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	165	40	88	110	150	18	2	4-18	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	178	50	102	125	165	18	2	4-18	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	190	65	122	145	185	18	2	8-18	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	203	80	138	160	200	20	2	8-18	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	229	100	158	180	220	20	2	8-18	141	17	185	300	4.5	5.5	70	102	17X17
125	5"	356	125	188	210	250	22	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	394	150	212	240	285	22	2	8-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	457	200	268	295	340	24	2	8-22	234	35	280	300	5.5	6.5	102	125	27X27

尺寸列表 Dimensions		G21 化工部长系列 HG Long series PN16															单位 Unit: mm	
尺寸 Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	130	15	45	65	95	16	2	4-14	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	140	20	58	75	105	18	2	4-14	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	*150/140	25	68	85	115	18	2	4-14	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	165	32	78	100	140	18	2	4-18	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	165	40	88	110	150	18	2	4-18	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	203	50	102	125	165	18	2	4-18	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	222	65	122	145	185	18	2	8-18	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	241	80	138	160	200	20	2	8-18	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	305	100	158	180	220	20	2	8-18	141	17	185	300	4.5	5.5	70	102	17X17
125	5"	320	125	188	210	250	22	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	360	150	212	240	285	22	2	8-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	400	200	268	295	340	24	2	12-22	234	35	280	300	5.5	6.5	102	125	27X27

注：*优先选用150

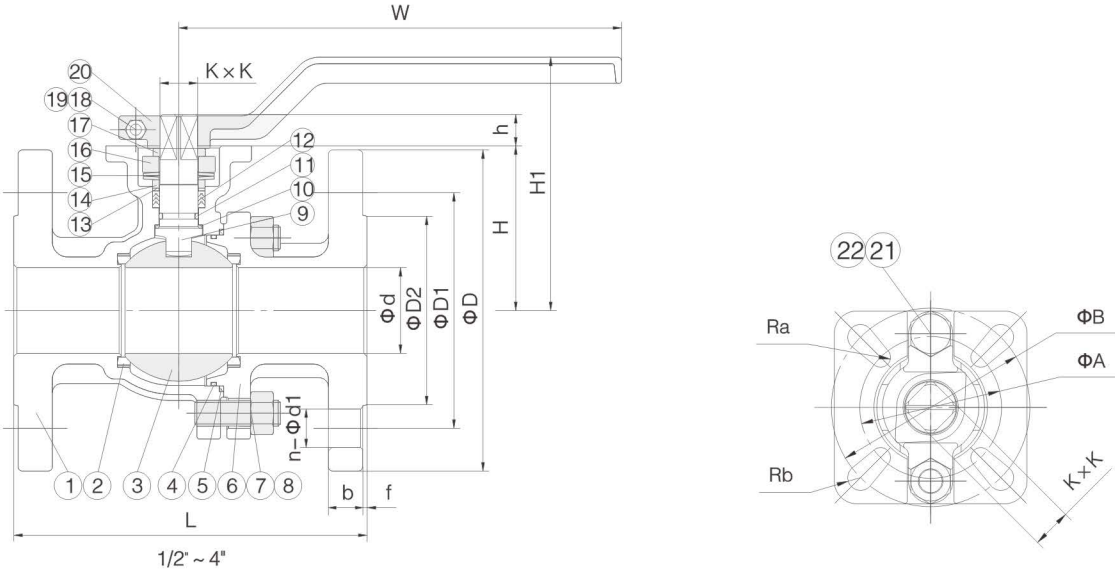
PNEUMATIC/ELECTRIC AMERICAN
STANDARD FLANGED BALL VALVE

气动/电动美标法兰球阀



尺寸列表 Dimensions CLASS 150 Unit: mm

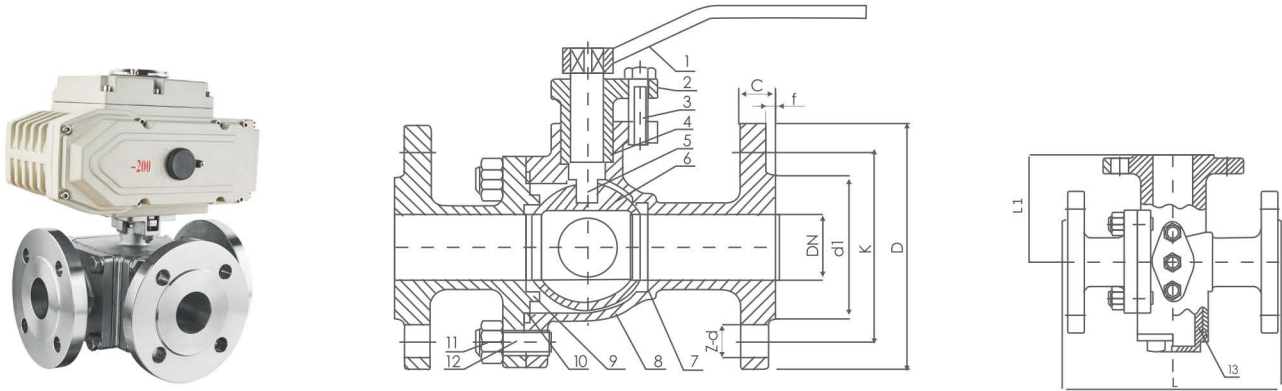
公称直径 Nominal Diameter		L	d	D2	D1	D	b	f	n-φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	108	15	35	60.3	90	8	2	4-16	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	117	20	43	69.9	100	8.9	2	4-16	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	127	25	51	79.4	110	9.6	2	4-16	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	140	32	63.5	88.9	115	11.2	2	4-16	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	165	40	73	98.4	125	12.7	2	4-16	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	178	50	92	120.7	150	14.3	2	4-19	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	190	65	105	139.7	180	15.9	2	4-19	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	203	80	127	152.4	190	17.5	2	4-19	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	229	100	157	190.5	230	22.3	2	8-19	141	17	185	300	4.5	5.5	70	102	17X17
125	5"	356	125	185	216	255	22.3	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	394	150	216	241.3	280	23.9	2	8-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	457	200	270	298.5	345	27	2	8-22	234	35	280	300	5.5	6.5	102	125	27X27



尺寸列表 Dimensions CLASS 300 Unit: mm

公称直径 Nominal Diameter		L	d	D2	D1	D	b	f	n-φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	140	15	35	66.7	95	12.7	2	4-16	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	152	20	43	82.6	115	14.3	2	4-19	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	165	25	51	88.9	125	15.9	2	4-19	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	178	32	63.5	98.4	135	17.5	2	4-19	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	190	40	73	114.3	155	19.1	2	4-22	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	216	50	92	127	165	20.7	2	8-19	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	241	65	105	149.2	190	23.9	2	8-22	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	282	80	127	168.3	210	27	2	8-22	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	305	100	157	200	255	30.2	2	8-22	141	22	226	650	5.5	6.5	102	125	22X22
125	5"	381	125	185	216	280	33.4	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	403	150	216	269.9	320	35	2	12-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	502	200	269.9	330.2	380	39.7	2	12-25	234	35	280	300	5.5	6.5	102	125	27X27

THREE-WAY
FLANGE BALL VALVE
三通法兰球阀



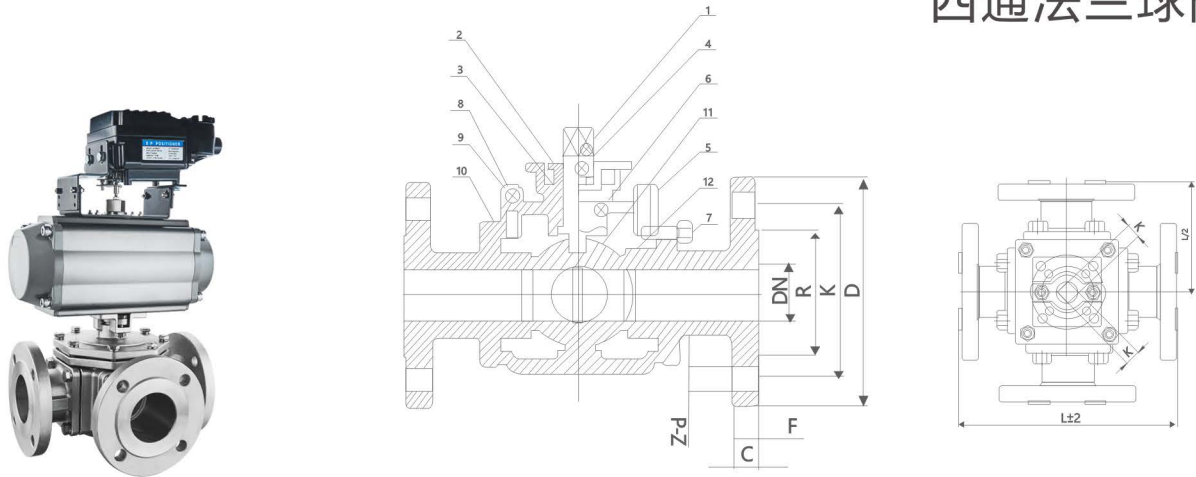
性能规范表				设计和制造标准	GB/12237
试验压力			150	结构长度标准	GB/13921
	壳体试验压力	3.0	Mpa	压力试验标准	GB/13927
	高压密封试验压力	2.2		法兰尺寸标准	JB/T 79.1
	低压气密封试验压力	0.6		法兰密封形式	RF
适用温度 (°C)		<260		驱动方式	手动/气动/电动
适用介质		水/油品/蒸汽等		特殊要求	/
				油漆	

主要外形尺寸 (mm) Main dimensions

DN	L	D	K	D1	C-F	N-D
15	150	95	65	45	14-2	4-14
20	160	105	75	58	14-2	4-14
25	180	115	85	68	14-2	4-14
32	200	135	100	78	16-2	4-18
40	220	145	110	88	16-2	4-18
50	240	160	125	102	16-3	4-18
65	260	180	145	122	18-3	4/8-18
80	280	195	160	138	20-3	8-18
100	320	215	180	158	20-3	8-18
125	380	245	21	188	22-3	8-18
150	440	280	240	212	24-3	8-22
200	550	335	295	268	24-3	12-22
250	670	405	355	320	26-3	12-26
300	720	460	410	378	28-4	12-26

产品特点: 本产品具有四阀座密封的弯通浮动球阀外型造型美观，结构紧凑合理，他不仅可实现介质流向的切换，也可使垂直的两个通道互连通灵活控制管路中介质的分流。

FOUR-WAY
FLANGE BALL VALVE
四通法兰球阀



性能规范表				设计和制造标准	Q/YBSFST	
试验压力	PN		1.6		结构长度标准	Q/YBSFST
	壳体试验压力		2.4	Mpa	压力试验标准	GB/T13927
	高压密封试验压力		1.76		法兰尺寸标准	JB/T 79.1
	低压气密封试验压力		0.6		法兰密封形式	RF
适用温度（℃）		<150			驱动方式	ISO5211-手动/气动/电动
适用介质		水/油品/蒸汽等			特殊要求	/

序号	名称	数量	材料
1	阀杆	1	PTFE/PPL
2	填料压盖	1	S201/CF8/CF8M
3	填料	1	PTFE/PPL
4	外六角螺栓	1	S201/S304/S316
5	上阀盖密封	1	S201/S304/S316
6	上阀盖	3	CF8/WCB/CF8M
7	阀盖	1	CF/WCB/CF8M
8	螺帽	1	PTFE/PPL
9	双头螺栓	1	S304/45#
10	阀盖密封	6	PTFE/PPL
11	球体	1	CF8
12	阀座	1	F304/F316

主要外形尺寸 (mm) Main dimensions

DN	L	D	K	R	C-F	N-D	K*K
15	152	95	65	45	14-2	4-14	11
20	162	105	75	58	14-2	4-14	11
25	180	115	85	68	14-2	4-14	11
32	200	135	100	78	16-2	4-18	14
40	232	145	110	88	16-2	4-18	14
50	252	160	125	102	16-3	4-18	17
65	275	180	145	122	18-3	4-18	22
80	293	195	160	138	20-3	8-18	22
100	362	215	180	158	30-3	8-18	22
125	425	245	21	188	22-3	8-18	27
150	495	280	240	212	24-3	8-22	27

角阀零部件
 Angle valve parts



- 1-塑料指示扣
 2-塑料指示扣
 3-不锈钢螺丝
 4-不锈钢弹垫
 5-不锈钢阀杆
 6-PTFE阀杆垫圈
- 7-硅胶O型圈
 8-硅胶O型圈
 9-PTFE密封线条
 10-不锈钢球芯
 11-PTFE密封线条
 12-PTFE密封线条
 13-不锈钢阀盖
 14-不锈钢阀体
 15-不锈钢手柄

角阀优势
 Angle valve advantage

红蓝冷热标志明显
Red and blue hot and cold signs are obvious

明显标志更易区分

蝶形手柄
Butterfly handle

手柄人性化设计，使用更方便

标准口径、丝扣更细腻
Standard caliber, more delicate thread

紧密螺纹连接，防滑丝设计
衔接更牢固，更稳定

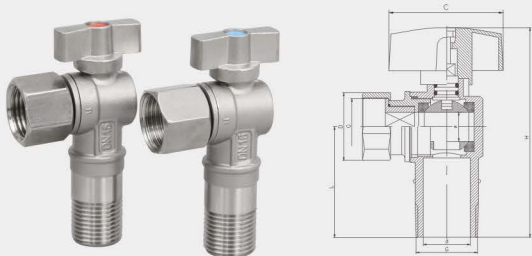
不锈钢阀芯
Stainless steel valve core

优质304不锈钢球芯，大流量，精工制作，千万次无地漏！寿命更长久。

加厚加长螺纹接口
Thickened and extended threaded interface

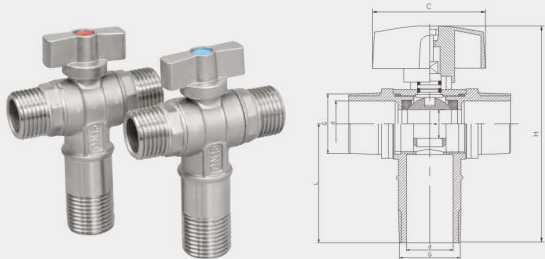
螺纹接口丝扣细腻，清洗，衔接更稳固
不渗漏，不滴水，安全更放心。

Stainless steel home improvement plumbing valve selection
 不锈钢家装水暖阀门选型



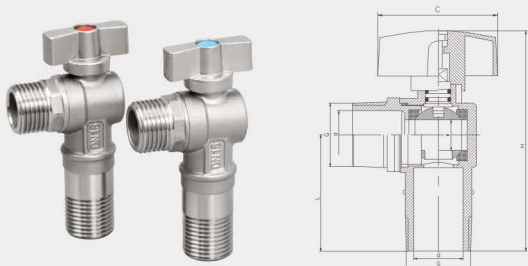
不锈钢角阀活接款
 Stainless steel angle valve live connection

DN	L	d	φ	G	H	C
15	60	14	10	G1/2	90	35
20	60	14	10	G3/4	90	50



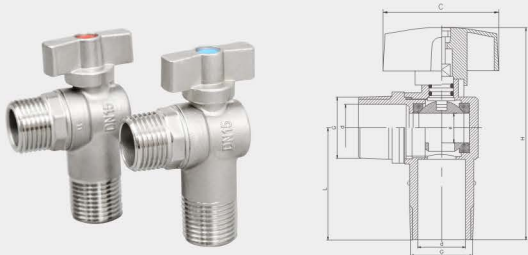
不锈钢三通角阀
 Stainless steel three-way angle valve

DN	L	d	φ	G	H	C
15	60	14	10	G1/2	90	35
20	60	14	10	G3/4	90	50



不锈钢角阀长款
 Stainless steel angle valve long

DN	L	d	φ	G	H	C
15	60	14	10	G1/2	90	35
20	60	14	10	G3/4	90	50



不锈钢角阀短款
 Stainless steel angle valve short

DN	L	d	φ	G	H	C
15	60	14	10	G1/2	90	35
20	60	14	10	G3/4	90	50

EXHAUST VALVE SELECTION

排气阀选型

一、概述 Overview

排气阀是管道系统中必不可少的辅助元件，广泛应用于管路上的最高点或弯头或有闭气的地方，来排除管内的气体来疏通管道，达到正常工作。如不装此阀，管道随时出现气阻，使管道出现水容量达不到设计要求，其次；管道在运转时出现停电、停泵管道及时出现负压力会引起管道振动或破裂。此排气阀连接有二种（丝扣、法兰）

二、工作原理 working principle

当系统中有气体溢出时，气体会顺着管道向上爬，最终聚集在系统的最高点，而排气阀一般都安装在系统最高点，当气体进入排气阀阀腔聚集在排气阀的上部，随着阀内气体的增多，压力上升，当气体压力大于系统压力时，气体会使腔内水面下降，浮筒随水位一起下降，打开排气口；气体排尽后，水位上升，浮筒也随之上升，关闭排气口同样的道理，当系统中产生负压，阀腔中水面下降，排气口打开，由于此时外界大气压力比系统压力大，所以大气会通过排气口进入系统，防止负压的危害。如拧紧排气阀阀体上的阀帽，排气阀停止排气，通常情况下，阀帽应该处于开启状态。排气阀也可以跟隔断阀配套使用，便于排气阀的检修。

三、技术参数 technical parameter

- 1. 介质：清水
- 2. 温度：常温
- 3. 阀体：SS304、316
- 4. 浮球：不锈钢SS304、316
- 5. 密封材料；丁晴橡胶、氟橡胶
- 6. 阀体试验打压：1. 5mpa
- 7. 浮球、密封试验打压：0. 05-1. 1MPA不漏水

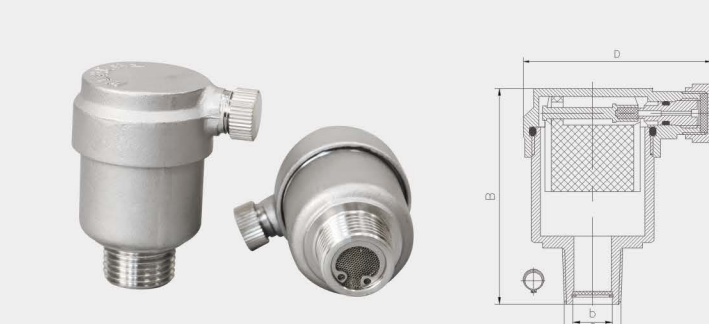
四、安装使用说明 Installation instructions

- 1、本阀应竖直安装，一般需砌窖井加以保护及防冻.
- 2、本阀与连接丁字管之间需加一同口径地下式阀门。
- 3、排气阀应设置在最高点，垂直安装.
- 4、地下管道排气阀应设置在井内。采取保温措施.
- 5、在长距离的输水管道上，每隔500-1000m应考虑设置一个排气阀。
- 6、排气阀口径一般为主管道直径的1/8~1/5.



A款外螺纹排气阀
A external thread exhaust valve

DN	A	B	ZG	D
15	38	78	ZG1/2"	53
20	38	78	ZG3/4"	53
25	38	79	ZG1"	53



B款外螺纹卡环排气阀
Type B external thread snap ring exhaust valve

DN	D	B	G	b
15	50	60	G1/2"	12
20	50	60	G3/4"	14
25	50	65	G1"	24



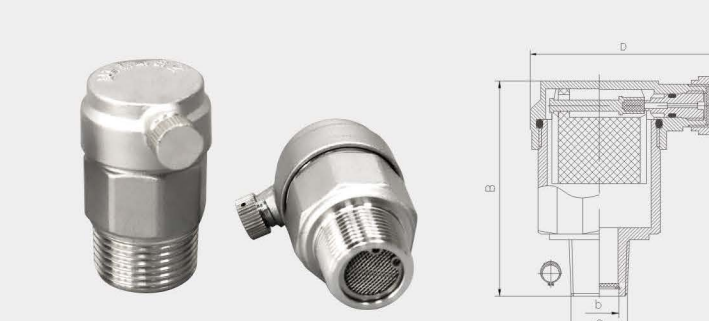
QB1丝扣排气阀
Threaded exhaust valve

DN	B	ZG	H	D1	A
15	27	1/2"	109	22	72
20	33	3/4"	110	22	72
25	40	1"	115	22.5	72.5



Qb1法兰排气阀
Flange exhaust valve

DN	φ	D	D1	D2	H
15	135	95	65	45	210
20	135	105	75	55	210
25	135	115	85	65	210
40	150	145	115	85	210
50	150	160	125	100	210



C款外螺纹卡环排气阀
C type external thread snap ring exhaust valve

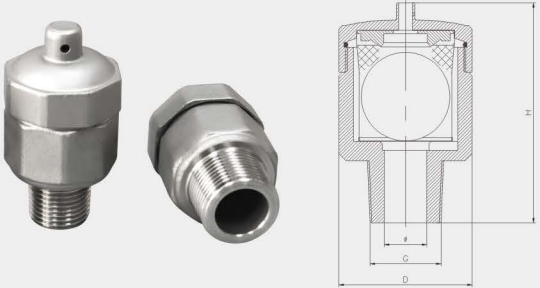
DN	D	B	G	b
15	53	63	G1/2"	12
20	53	63	G3/4"	17
25	53	63	G1"	24



D款内螺纹排气阀
D internal thread exhaust valve

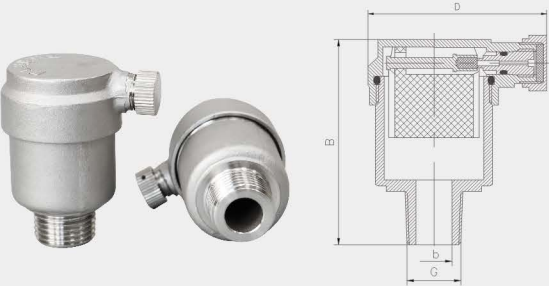
DN	D	B	G	b
15	50	63	G1/2"	12
20	50	63	G3/4"	14
25	50	63	G1"	24

EXHAUST VALVE
 SELECTION
 排气阀选型



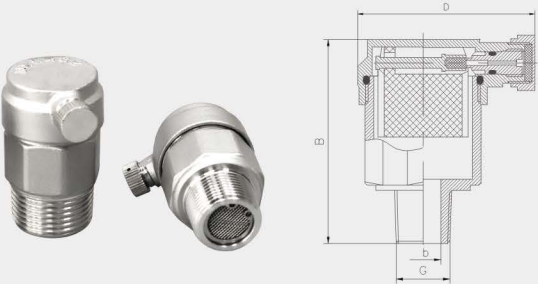
E款外螺纹排气阀
E external thread exhaust valve

DN	D	φ	G	H
15	38	12	G1/2"	69
20	38	17	G3/4"	69
25	38	24	G1"	69



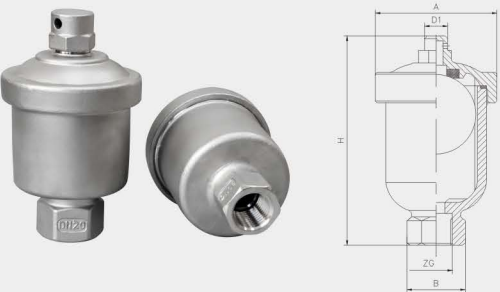
H款外螺纹排气阀
G external thread exhaust valve

DN	D	B	G	b
15	50	60	G1/2"	12
20	50	60	G3/4"	14
25	50	65	G1"	24



G款外螺纹排气阀
H external thread exhaust valve

DN	D	B	G	b
15	50	64	G1/2"	26
20	50	64	G3/4"	32
25	50	64	G1"	40



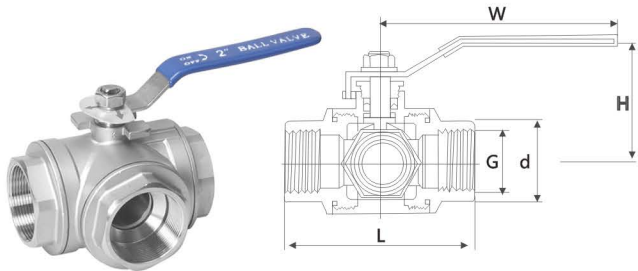
P11内螺纹排气阀
P11 internal thread exhaust valve

DN	B	ZG	H	D1	A	重量 (kg)
15	27	1/2"	109	22	72	0.64
20	33	3/4"	110	22	72	0.65
25	40	1"	115	22.5	72.5	0.7

STAINLESS STEEL
 WATER VALVE SELECTION
 不锈钢水阀选型

内螺纹三通球阀
 Female Three Ball valve

Q15F-¹⁶/₆₄P

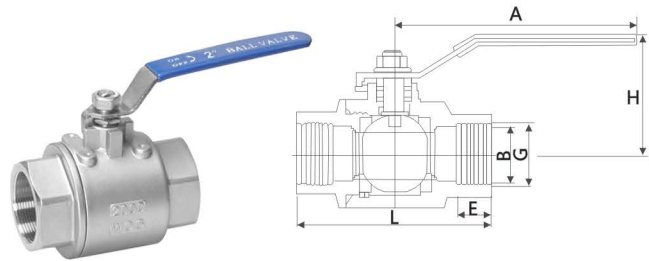


规格 specification	螺纹接口 Threaded interface	D	h	L	W	C
DN 8	1/4"	8	52	71	100	35.5
DN 10	3/8"	10	52	71	100	35.5
DN 15	1/2"	12	52	71	100	35.5
DN 20	3/4"	15	60	80	120	40
DN 25	1"	18/20	68	86	150	43
DN 32	1-1/4"	25	75	108	160	54
DN 40	1-1/2"	32	83	128	185	64
DN 50	2"	38	95	142	185	71
DN 65	2-1/2"	49	105	170	250	85
DN 80	3"	53	125	215	300	107.5
DN 100	4"	80	155	291	350	145.5

二片式球阀

2PC Ball valve

Q11F-¹⁶/₆₄P

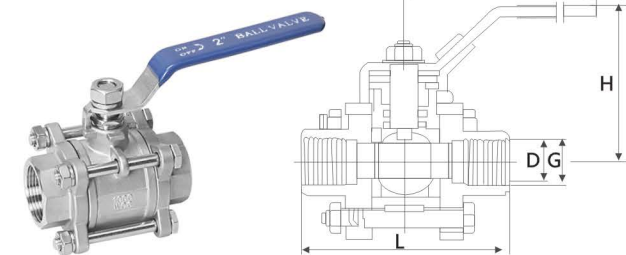


DN	G	B	L	E	H	A
6	1/4"	8	54	11.5	52	105
10	3/8"	10	52	1.5	52	105
15	1/2"	15	62.5	14	65	130
20	3/4"	20	72	15	70	130
25	1"	25	83	15	78	150
32	1 1/4"	32	96	18	82	180
40	1 1/2"	38	107	19	90	200
50	2"	50	122	19	98	200
65	2 1/2"	64	153	23	140	240

三片式球阀

3PC Ball valve

Q11F-¹⁶/₆₄P

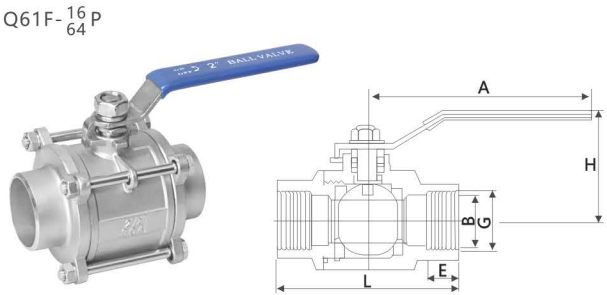


DN	G	D	L	H	E
6	1/4"	8	62	52	98
10	3/8"	10	62	52	98
15	1/2"	15	68	65	125
20	3/4"	20	78	70	125
25	1	32	86	82	145
32	1 1/4"	38	101	83	195
40	1 1/2"	38	109	90	205
50	2"	50	130	98	205
65	2 1/2"	64	181	140	250
80	3"	76	196	135	265
100	4"	100	242	155	300

STAINLESS STEEL
WATER VALVE SELECTION
 不锈钢水阀选型

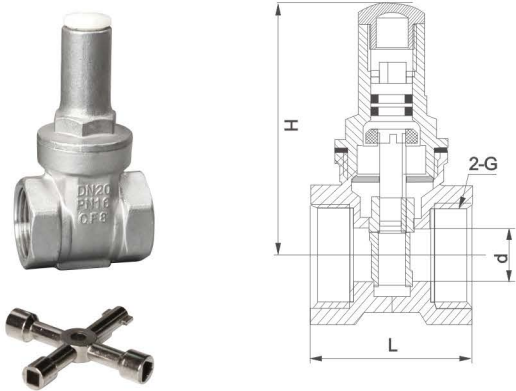
STAINLESS STEEL
WATER VALVE SELECTION
 不锈钢水阀选型

三片式对焊球阀
 3PC Ball Welding Ball valve



DN	G	B	L	H	A
6	1/4"	6	63	52	98
10	3/8"	10	63	52	98
15	1/2"	15	71	65	125
20	3/4"	20	80	70	125
25	1"	25	91	78	145
32	1 1/4"	32	104	82	145
40	2 1/2"	38	112	90	205
50	2"	50	135	98	205
65	2 1/2"	64	182	140	250
80	3"	76	197	135	265
100	4"	100	258	155	300

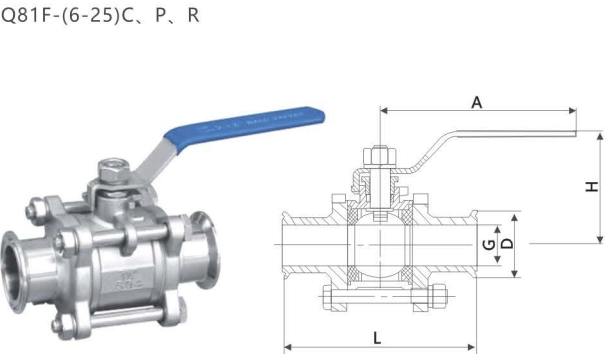
锁闭闸阀
 Lock gate valves



- 技术规范：
 1、公称压力：1.6MPa
 2、工作介质：水、非腐蚀性液体
 3、工作温度：-20℃≤T≤120℃
 4、管螺纹符合ISO228标准
- Technical specifications:
 1. Nominal pressure: 1.6mpa
 2. Working medium: water and non-corrosive liquid
 3. Operating temperature: -20℃≤T≤120℃
 4. Pipe thread conforms to ISO228 standard

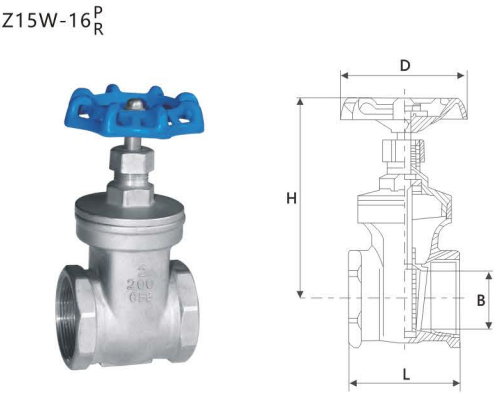
DN	SIZE	L	d	H	D
15	1/2"	44	15	62.5	73.5
20	3/4"	46.5	20	70	73.5
25	1	52	25	75	73.5
32	1-1/4"	56	32	83	79.5
40	1-1/2"	63	38	91	79.5
50	2	68	50	106.5	79.5

三片式快装球阀
 3PC Quick Install Ball valve



DN	G	D	L	H	A
15	1/2"	34	95	68	125
20	1/4"	50.5	105	70	125
25	1"	50.5	115	80	145
32	1 1/4"	50.5	125	84	145
40	1 1/2"	50.5	135	93	205
50	2"	64	150	100	205
65	2 1/2"	91	190	142	250
80	3"	106	220	155	250

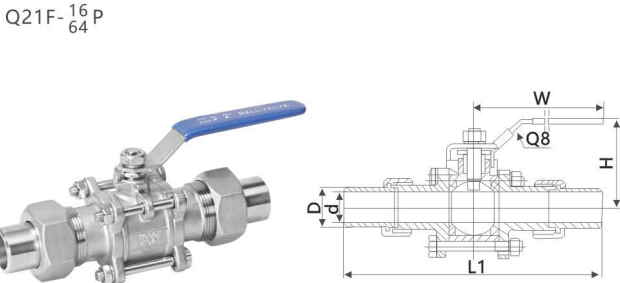
Z15W闸阀
 Z15W Gate valve



- 技术规范 Technique norm
 公称压力：1.6MPa
 适合介质：水、油、气
 适合温度：常温下1.6MPa饱和蒸汽下1.0MPa
 压力实验符合ISO5208,圆锥管螺纹符合ISO07标准中的Rc螺纹
 Nominal pressure:1.6MPa
 Applicable medium:wate,oil,steam
 Applicable temperature:normal temperature bottom 1.6MPa
 stanrated fume bootom 1.0MPa
 Pressure test matchISO5208,Lone tube the screw match
 ISO7 standard inside of Rc screw

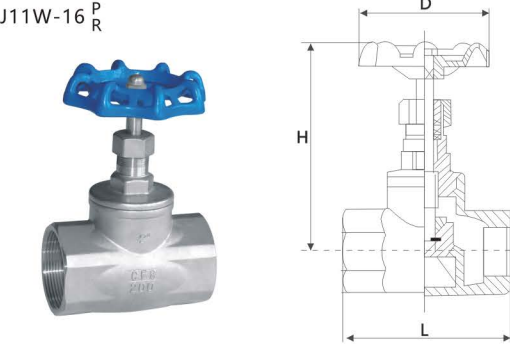
SIZE	Dn15	Dn20	Dn25	Dn32	Dn40	Dn50
D	70	70	80	80	100	100
H	90	102	114	124	152.5	169.5
L	51	57	62	71	74	84
B	31	20	25	32	40	50

三片式带接管球阀
 Three - piece ball valve with nipple



G	d	D	L1	H	W
1/4"	11.6	17	150	48	120
3/8"	12.7	17	150	48	120
1/2"	15	21	170	54	120
3/4"	20	26	185	57	130
1"	25	31	200	72	154
1 1/4"	32	38	225	49	154
1 1/2"	38	46	260	81	185
2"	50.8	60	300	97	185

J11W截止阀
 J11W Globe valve



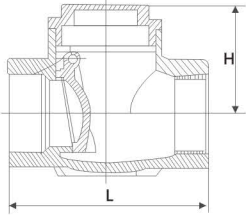
- 技术规范 Technique norm
 公称压力:1.6MPa
 适合温度：t≤150℃
 压力实验符合ISO5208
 圆锥管螺纹符合ISO07标准中的Rc螺纹
 Nominal pressure:1.6MPa
 Applicable temperature:t≤150℃
 Pressure test match ISO5208
 Lone tube the screw match ISO7 standard inside of Rc screw

DN	15	20	25	32	40	50
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	59	69	79	89	104	118
H	90	98	108	120	146	162
D	70	70	80	90	100	120

STAINLESS STEEL
WATER VALVE SELECTION
 不锈钢水阀选型

H41W止回阀
 H41W Check valve

H41W-16^P_R



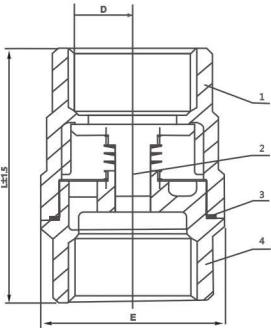
技术规范 Technique norm

公称压力:1.6MPa
 适合介质: 水、油、气
 适合温度: t≤150°C
 压力实验符合ISO5208,圆锥管螺纹符合ISO07标准中的Rc螺纹
 Nominal pressure:1.6MPa
 Applicable medium:wate,oil,steam
 Applicable temperature:t≤150°C
 Pressure test match ISO5208,Lone tube the screw match ISO7 standard inside of Rc screw

DN	15	20	25	32	40	50
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	63	75	84	100	115	135
H	65	80	90	105	120	140

内螺纹弹簧立式止回阀

Internal thread spring vertical check valve

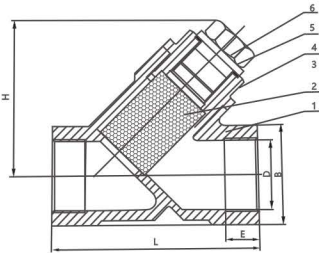


主要外形尺寸 Main Dimensions

SIZE	DN	D	E	L±1.5	Weight (kg)
1/4"	8	9	32	51	0.14
3/8"	10	11	32	51	0.12
1/2"	15	15	35	60	0.16
3/4"	20	20	41	68	0.22
1"	25	25	48	79	0.34
1 1/4 "	32	32	57	86	0.5
1 1/2 "	40	40	69	98	0.74
2"	50	50	81	118	1.1
2 1/2 "	65	65	114	148	2.56
3"	80	80	139	160	3.74
4"	100	98	171	208	8.52

Y型内螺纹过滤器

Y-type internal threaded filter



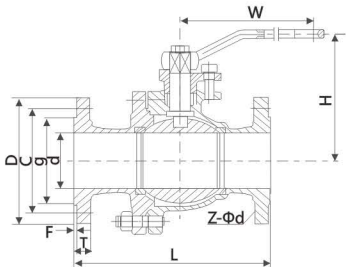
主要外形尺寸 Main Dimensions

SIZE	DN	D	L±1.5	H	Weight (kg)
1/4"	8	8	54	35	0.135
3/8"	10	10	54	35	0.120
1/2"	15	15	60	45	0.15
3/4"	20	20	74	60	0.26
1"	25	25	89	63	0.37
1 1/4 "	32	32	97	80	0.53
1 1/2 "	40	40	106	88	0.75
2"	50	50	127	109	1.26
2 1/2 "	65	65	165	138	2.35
3"	80	80	188	153	3.85
4"	100	100	232	196	6.0

STAINLESS STEEL
WATER VALVE SELECTION
 不锈钢水阀选型

国标球阀

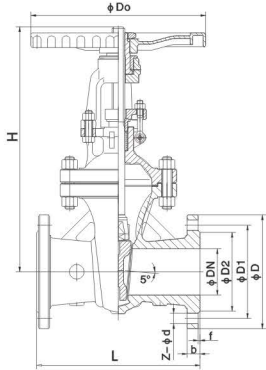
GB Ball valve



DN	L	D	D1	D2	H	B-f	Z-Φd	D0
40	180	145	110	85	150	16-3	16-3	240
50	200	160	124	100	190	16-3	16-3	240
65	220	180	145	120	195	18-3	18-3	320
80	250	195	160	135	215	20-3	20-3	350
100	280	215	180	155	250	20-3	20-3	400
125	320	245	210	185	280	22-3	22-3	500
150	360	280	240	210	320	24-3	24-3	600
200	400	335	295	365	370	26-3	26-3	800

国标闸阀

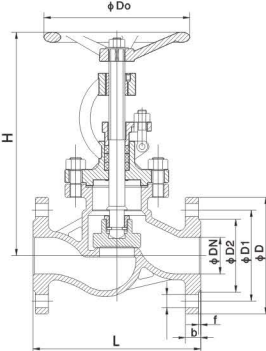
GB Gate valve



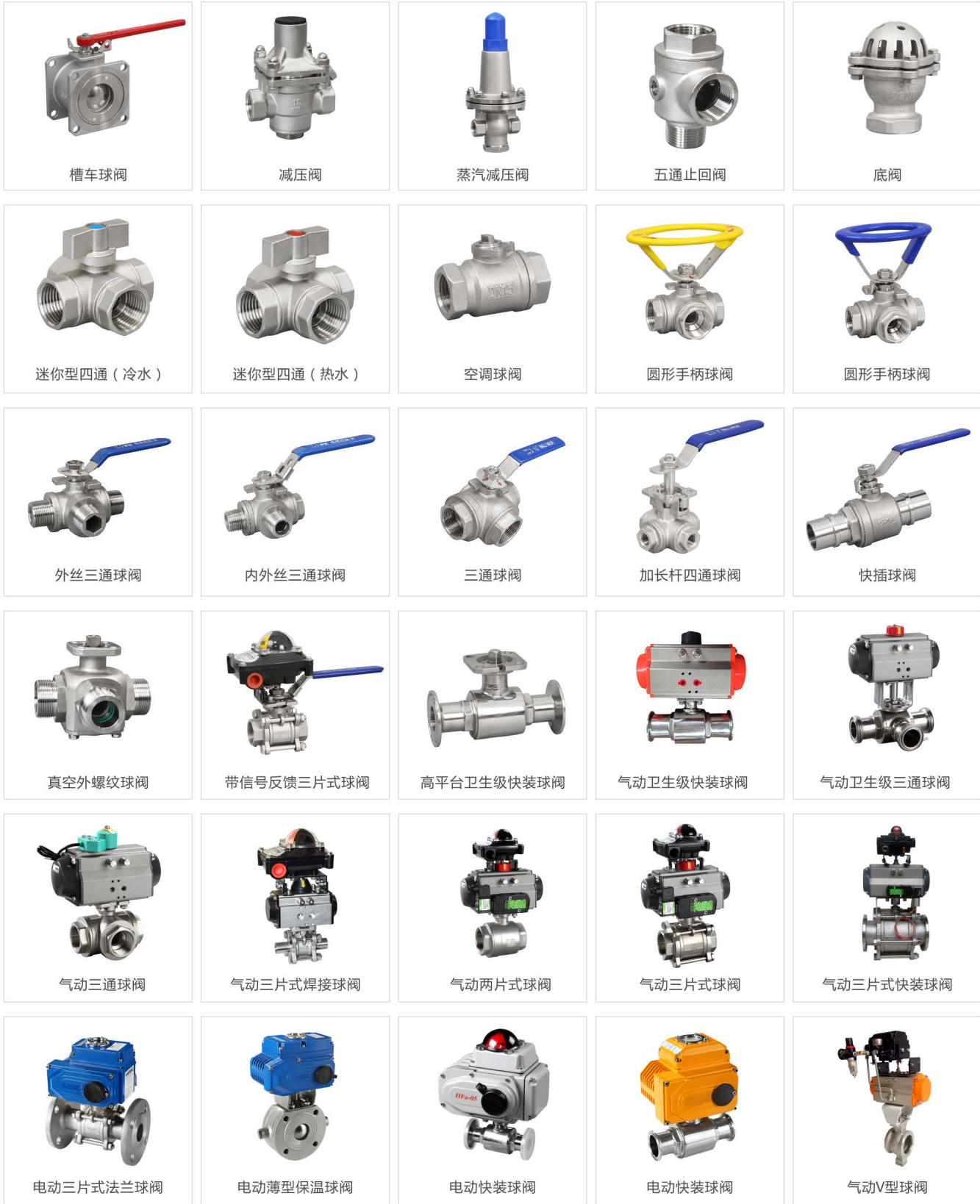
DN	L	D	D1	D2	H	B-f	Z-Φd	D0
40	200	145	110	85	310	18-3	4-18	200
50	250	160	125	100	358	18-3	4-18	240
65	265	180	145	120	373	18-3	4-18	240
80	280	195	160	135	435	20-3	8-18	280
100	300	215	180	155	500	20-3	8-18	300
125	325	245	210	185	614	22-3	8-18	320
150	350	280	240	210	674	24-3	8-23	360
200	400	335	295	265	818	26-3	12-23	400

国标截止阀

GB Globe valve



DN	L	D	D1	D2	H	B-f	Z-Φd	D0
40	200	145	110	85	310	18-3	18-3	200
50	230	160	125	100	358	18-3	18-3	240
65	290	180	145	120	373	18-3	18-3	280
80	310	195	160	135	435	20-3	20-3	320
100	350	215	180	155	500	20-3	20-3	360
125	400	245	210	185	614	22-3	22-3	400
150	480	280	240	210	674	24-3	24-3	400
200	600	335	292	265	818	26-3	26-3	450



售后服务和质量保证承诺

After-sales service and warranty commitment

随着国家市场经济的深入发展，市场竞争日趋激烈，广大用户对产品的要求也越来越高，并且对售后服务方面的要求也越来越多，为此，我公司质量管理部门为适应市场发展的要求，专门设立了售后服务组、配备了专职服务人员负责处理我公司产品售后服务事宜。同时我公司在内部质量管理方面也作出了多方努力，获得了ISO9001质量体系认证、国家压力管道特种设备制造许可证、CE认证和俄罗斯GOST认证，为此我公司完全可以做到：

一、产品配发检验合格证书和说明书，以确保用户能正确安装适用我公司产品。

二、我公司保证出厂的产品均按有关国际标准生产和检验，不合格的产品绝不出厂。保证严格履行、兑现产品的四包，严格执行国家工业产品售后服务有关规定，对出厂产品自发货日起的十二个月内，在产品说明书规定的正常操作条件下我公司将负责质保期内质量完好。

三、如用户对我公司产品提出的质量异议，我公司保证在接到用户提出异议后2小时内作出处理意见。若需要现场解决的，保证派出专业技术服务人员，并做到质量问题不解决服务人员不撤离。对每件用户反馈的产品质量问题及处理结果我公司将存档。

以上三点是我公司对售后服务的承诺。竭诚欢迎广大用户指导修正，请提出宝贵意见，参照改进。真诚希望我们之间合作愉快。

