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Product appearance, specification and parameter, please be subject to the real product.



# 陶瓷硬密封球阀

Ceramic Hard Sealing Ball Valve

专利号(Patent No.): ZL202420084891.2 ZL202421575542.7

**扭矩轻轻 耐用久久**

*Low torque and durable*

**硬密封**

Hard sealing

**耐腐蚀**

Good corrosion resistance

**轻扭矩**

Low torque

**耐用用**

Durability

**特种陶瓷密封**

洛氏硬度HRA≥85

Rockwell hardness of special ceramic HRA ≥ 85



启闭部件为特种陶瓷材料

The opening and closing parts are made of special ceramic materials

PRODUCT MANUAL ■ 2026-05

出口39个国家和地区

Exported to 39 countries and regions

全国统一服务热线

400-000-2895



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# COMPANY PROFILE

## 企业简介



润新公司山福镇厂区  
Factory District of Runxin Company in Shanfu Town

温州市润新机械制造有限公司成立于2000年，主营水处理系统用控制阀（“润新阀”）、润莱民用（商用）水处理器、润景陶瓷硬密封球阀和润景灌溉阀等系列产品，建立省级技术研发中心和省级研究院，是国家高新技术企业、工信部专精特新重点“小巨人”企业、首届中国节水奖先进集体、浙江省“隐形冠军”企业、浙江专利示范企业、温州市“最美工厂”，获评浙江出口名牌、温州市质量管理创新奖。

由公司自主研发、拥有完全自主知识产权的“润新阀”系列产品，凭借创新性的结构获得美国、俄罗斯、韩国及欧盟成员国德国、意大利、法国等十几个国家的发明专利授权，凭借高度的质量可靠性和卫生安全性，从2010年至2024年连续每年通过美国NSF认证，通过欧盟CE、ROHS认证、俄罗斯EAC认证、法国ACS认证，出口全球161个国家和地区。

润景陶瓷硬密封球阀是公司特种陶瓷平面密封向球面密封突破的核心技术成果，其阀芯与阀座采用刚玉陶瓷或碳化硅材料，经超高温烧结、精密加工而成，硬度高，仅次于钻石和蓝宝石，同时具有轻扭矩、耐腐蚀、耐磨损、耐久用等特点，适用于多种酸、碱及特殊介质，通过欧盟CE和ROHS认证，出口全球39个国家和地区，被广泛应用于污水废水处理、海水淡化、光伏、造纸、印染、电镀、冶炼、化工、医疗、锂电池生产、智能灌溉等行业。

Wenzhou Runxin Manufacturing Machine Co., Ltd., is established in 2000. It mainly deals in control valves for water treatment systems (“Runxin Valve”), Runlucky residential (commercial) water treatment products, Runjing ceramic hard sealing ball valves and Runjing irrigation valves. It has established provincial technology R&D center and provincial enterprise research institute, was awarded as National New High-tech Enterprise, National Specialized, Fined, Peculiar and Innovative “Little Giant” Enterprise by the Ministry of Industry and Information Technology, the First China Water Conservation Award Advanced Collective, Zhejiang Hidden Champion Enterprise, Wenzhou “The Most Beautiful Factories”, Zhejiang Export Famous Brand and Wenzhou Quality Management Innovation Award.

The “Runxin Valve” series products are independently developed by the company and possessed completely independent intellectual property rights and have won invention patent authorization from more than a dozen countries, including the United States, Russia, South Korea, and EU member states such as Germany, Italy, France, etc., with its innovative structure. With high quality, reliability and hygiene and safety, it passed the American NSF certification consecutively from 2010 to 2024 years, passed the CE, RoHS certification, Russian EAC certification, French ACS certification, exported to 161 countries and regions.

The ceramic hard sealing ball valve is the core technology of the breakthrough from special ceramic flat sealing to spherical sealing. The valve core and valve seat, are made of corundum ceramic or silicon carbide, sintered at ultra-high temperature and precisely processed. It has high hardness, second only to diamond and sapphire. It has the characteristics of low torque, corrosion resistance, wear resistance, durability, etc. It's suitable for various acids, alkalis, and special media, etc. It has passed the CE and RoHS certification, exported to 39 countries and regions around the world. It is widely used in sewage treatment, seawater desalination, photovoltaic, paper, printing and dyeing, electroplating, smelting chemical, medical, lithium battery production and intelligent irrigation.

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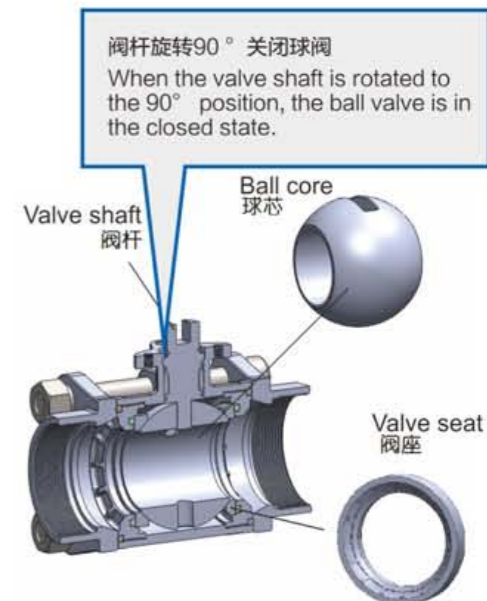
## 球阀结构特点 Structural Characteristics of Ball Valve

球阀是一种由球型阀芯和阀座构成开启和关闭的阀门，起到接通和切断流体的作用。  
Definition of ball valve: a ball valve is a valve that is opened and closed by a ball core and valve seat, which plays the role of connecting and cutting off fluid.

- 流体阻力小 Low fluid resistance
- 结构简单、体积小、重量轻 Simple structure, small size, light weight
- 密封可靠 Reliable sealing
- 操作方便、开关迅速 Convenient operation and fast switching
- 维修方便 Easy maintenance
- 适用范围广 Wide range of applications

如图所示为球阀开启的状态，当旋转阀杆至90°位置时，球阀处于关闭状态。

The picture shows the open state of the ball valve. When the valve shaft is rotated to the 90° position, the ball valve is in the closed state.



### 硬密封球阀 Hard sealing ball valve

从阀芯材质上，球阀可分为软密封球阀和硬密封球阀。  
From the valve core material, ball valves can be divided into soft sealing ball valves and hard sealing ball valves.

球芯和阀座材料均为金属或陶瓷（属硬质材料），称为硬密封球阀，反之则为软密封球阀。  
The ball core and valve seat are made of metal or ceramic (hard material), which is named a hard sealing ball valve, otherwise it is a soft sealing ball valve.



## 陶瓷硬密封球阀 Ceramic hard sealing ball valve

### ▶ 阀芯与阀座均采用特种陶瓷材料（氧化铝或碳化硅）

The valve core and valve seat are made of special ceramic (Al<sub>2</sub>O<sub>3</sub> or SiC)



- 硬密封** 阀芯与阀座采用工程陶瓷  
Hard sealing The valve core and valve seat adopt engineering ceramic
- 轻扭矩** 专利设计、扭矩约为传统球阀的1/5-1/10  
Low torque Patented design, torque is approximately 1/5 to 1/10 that of conventional ball valves.
- 耐腐蚀** 塑料阀体/不锈钢阀体、陶瓷密封副  
Corrosion resistance Plastic or SS valve body, ceramic sealing
- 耐磨损** 特种陶瓷硬度高，仅次于钻石、蓝宝石  
Good wear resistance Special ceramics feature high hardness, second only to diamond and sapphire.

### ▶ 氧化铝阀芯

Alumina ceramic core



- 采用刚玉陶瓷，Al<sub>2</sub>O<sub>3</sub>含量≥95%
- 硬度高，仅次于钻石、蓝宝石
- 耐强/弱酸、弱碱、无机盐等腐蚀
- Adopt corundum ceramics, Al<sub>2</sub>O<sub>3</sub> content ≥95%
- High hardness, second only to diamond and sapphire.
- Can be resistant to corrosion by strong/weak acid, weak alkali, inorganic salt, etc

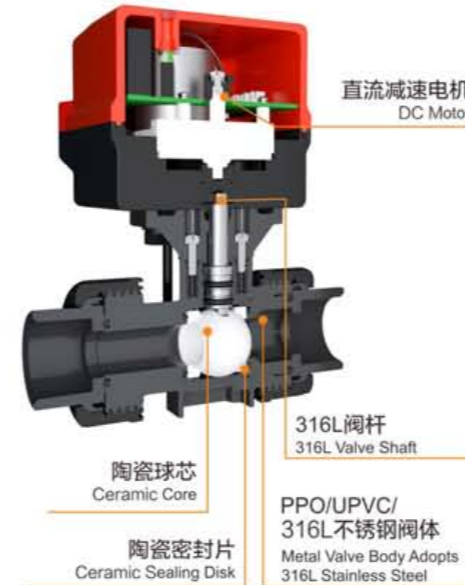
### ▶ 碳化硅阀芯

Silicon carbide core



- 质量轻、高硬度、耐磨损
- 耐高温
- 化学稳定性好，耐酸碱腐蚀性优良
- 具有优异的导热性、热膨胀系数低
- 具有优良的自润滑性，启闭很轻松
- Light weight, high hardness, good wear resistance
- High temperature resistance
- Good chemical stability, excellent acid and alkali resistance
- Has excellent thermal conductivity
- With excellent dry lubricity, opening and closing easily

## ▶ 结构与材质 Structure and material



序号 Item	零件名称 Part Description	材质 Materials	
		不锈钢球阀 Stainless steel ball valve	塑料球阀 Plastic ball valve
1	阀体 Valve body	不锈钢316L 316L stainless steel	PPO/UPVC
2	密封圈 Sealing ring	EPDM (三元乙丙) / 氟橡胶 EPDM / Fluororubber	
3	密封阀座 Valve seat	氧化铝陶瓷/碳化硅 Alumina ceramic / Silicon carbide	
4	球体 Ball core	氧化铝陶瓷、碳化硅 Alumina ceramic / Silicon carbide	
5	接头 Connector	不锈钢316L 316L stainless steel	PPO, UPVC, PPR
6	阀杆 Valve shaft	不锈钢316L、哈氏合金、PPO或PPS(用于低压强腐蚀性介质) 316L stainless steel, Hastelloy, PPO or PPS (for low pressure and strong corrosive media)	

## ▶ 产品特点-轻扭矩 Low torque

润景陶瓷硬密封球阀扭矩测试表  
Torque test table of Runjing ceramic hard sealing ball valve

规格/Size		扭矩Torque (N·m)	
DN	Inch	公称压力PN10	公称压力PN16
DN15	1/2"	1.0	1.5
DN20	3/4"	1.0	1.5
DN25	1"	1.7	2.6
DN32	1-1/4"	3.2	4.9
DN40	1-1/2"	5.2	8.2
DN50	2"	11.1	17.5

备注：以上为试验室测试数据，在实际使用中可能有所不同。  
Remarks: The above data is laboratory test data, which may be different in actual use.

其他球阀扭矩测试表  
Torque test table of other ball valve

规格/Size		扭矩Torque (N·m)	
DN	Inch	公称压力PN10	公称压力PN16
15	1/2"	18	20
20	3/4"	20	30
25	1"	30	38
32	1-1/4"	/	50

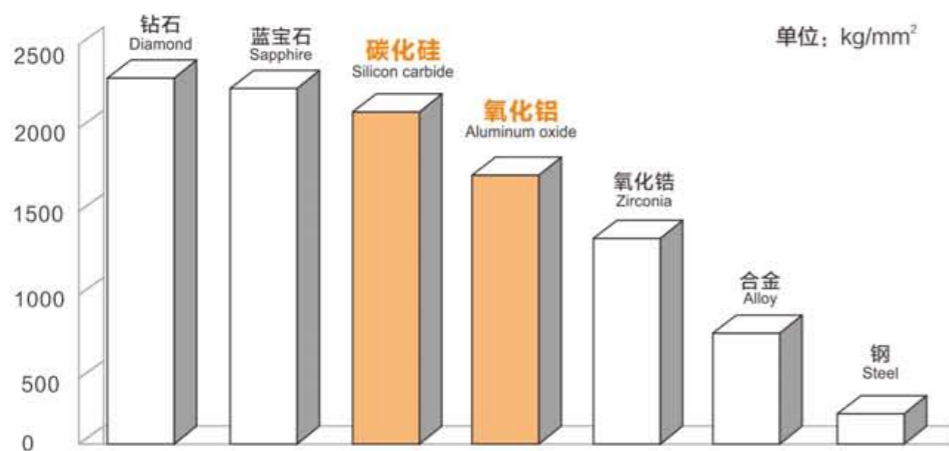
备注：以上为试验室测试数据，在实际使用中可能有所不同。  
Remarks: The above data is laboratory test data, which may be different in actual use.

VS

## 产品特点-耐磨 Good wear resistance

常见物质硬度对比表

Comparison table of hardness of common substances



氧化铝或碳化硅经1680℃或2200℃超高温烧结而成，其硬度仅次于蓝宝石和钻石，能够适应各种高磨损、高冲刷工况。传统软密封球阀的阀芯容易受硬颗粒杂质划伤或磨损，产生泄漏。

Alumina or silicon carbide and sintered at 1680℃ or 2200℃. Its hardness is second only to sapphire and diamond, and it can adapt to various high wear and high erosion conditions. The valve core of the traditional soft sealing ball valve is easily scratched or worn by hard particles and impurities, resulting in leakage.

## 产品特点-耐腐蚀 Good corrosion resistance

硬密封球阀阀芯常用材料的耐腐蚀性能表

Corrosion resistance table of commonly used materials of ball core of Runxin ceramic hard sealing ball valve

介质 Media	温度 Temperature	ZrO <sub>2</sub>	95Al <sub>2</sub> O <sub>3</sub>	SiC	Si <sub>3</sub> N <sub>4</sub>	SS304	SS316
20%HCL	60℃	A	A	A	B	C	C
20%HCL	95℃	A	A	A	C	--	--
90%H <sub>2</sub> SO <sub>4</sub>	60℃	A	A	A	A	C	C
90%H <sub>2</sub> SO <sub>4</sub>	95℃	A	A	A	B	C	C
60%H <sub>3</sub> PO <sub>4</sub>	60℃	A	A	A	C	C	C
60%H <sub>3</sub> PO <sub>4</sub>	95℃	A	A	A	C	C	C
10%HF	60℃	C	B	A	A	C	C
46%HF	95℃	C	C	A	C	--	--
60%HNO <sub>3</sub>	60℃	A	B	A	C	A	A
60%HNO <sub>3</sub>	95℃	A	C	A	C	B	B
30%NaOH	60℃	A	C	A	B	A	A
30%NaOH	95℃	B	C	A	C	A	B

A—无腐蚀或腐蚀可以忽略，推荐使用。  
B—轻微腐蚀或较少腐蚀，适合使用。  
C—腐蚀中等或较大，不推荐使用。  
-- 腐蚀严重，不能使用。

A--no corrosion or corrosion can be ignored, it is recommended.  
B--Slightly corroded or less corroded, suitable for use.  
C--Medium or large corrosion, it is not recommended. One is severely corroded and cannot be used.  
--The corrosion is serious and cannot be used.

陶瓷硬密封球阀塑料阀体常用材料的耐腐蚀性能表

Corrosion resistance table of commonly used materials of plastic valve body of Runxin ceramic hard sealing ball valve

名称 Material	耐酸性 Acid resistance		耐碱性 Alkali resistance		耐有机溶剂性 Resistance to organic solvents
	弱酸 Weak acid	强酸 Strong acid	弱碱 Weak alkali	强碱 Strong alkali	
UPVC	A	A~B	A	A	对醇、脂肪烃及油，A；在酮及酯中溶解或溶胀；在芳香烃中溶胀 For alcohols, aliphatic hydrocarbons and oils, A; dissolves or swells in ketones and esters; swells in aromatic hydrocarbons.
PPO	A	A	A	A	对醇、A，溶于某些芳香及氯化烃，或溶胀 For alcohols, A, soluble in some aromatic and chlorinated hydrocarbons, or swelling.

A—无腐蚀或腐蚀可以忽略，推荐使用。  
B—轻微腐蚀或较少腐蚀，适合使用。  
C—腐蚀中等或较大，不推荐使用。  
-- 腐蚀严重，不能使用。

A--no corrosion or corrosion can be ignored, it is recommended.  
B--Slightly corroded or less corroded, suitable for use.  
C--Medium or large corrosion, it is not recommended. One is severely corroded and cannot be used.  
--The corrosion is serious and cannot be used.

## 产品特点-耐久用 Product application

2021年12月，浙江省泵阀产品质量检测中心、国家阀门质量监督检测中心（浙江）出具检测报告——润景DN32陶瓷硬密封球阀通过动作寿命试验，6公斤压力下，开启1秒，关闭3秒，100万次启闭后持续1分钟无泄漏。

In December of 2021, Zhejiang Pump and Valve Product Quality Inspection Center and National Valve Quality Supervision and Inspection Center (Zhejiang) issued a test report: Runjing DN32 ceramic hard sealing ball valve passed the action life test, 6 bar pressure, opening and closing 1,000,000 times without leakage!

## 陶瓷硬密封球阀生产工艺 Production Process



球芯与阀座原材采用刚玉陶瓷( $Al_2O_3$ )或碳化硅(SiC)  
The core and valve seat materials are made of corundum ceramic ( $Al_2O_3$ ) or silicon carbide (SiC).



1680℃高温或2200℃超高温烧结  
Sintered under 1680℃ high temperature or 2200℃ ultra-high temperature.



球芯圆度检测  
Roundness test



球芯与球座精密加工达到轻扭矩与硬密封完美结合  
Ball core and valve seat are precision machined to achieve a perfect combination of light torque and hard sealing.



阀体和阀杆经CNC精密加工与球芯准确配合  
The valve body and shaft are precisely processed by CNC to match the ball core accurately.



批量化流水线生产  
Bulk production.



30道严格检验工序  
30 strict inspection procedures



100%气压与水压密封性检测  
100% air and water pressure test

## 产品检测 Product Test

### 球芯检测 Ball valve test

阀芯检测: 定期对阀芯进行尺寸、圆度、硬度和耐酸碱检测  
Valve core test: regularly check the size, roundness, hardness and acid and alkali resistance of the ball core

尺寸、圆度检测  
Size and roundness test



硬度检测  
Hardness test



耐酸碱检测  
Acid and alkali resistance test

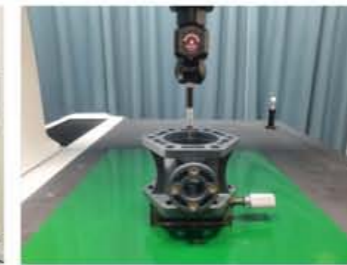


### 阀体检测 Valve body test

三坐标测量设备 Three coordinate measuring machine



金属阀体检测  
Metal valve body inspection



塑料阀体检测  
Plastic valve body inspection

投影仪 Projector



阀杆检测  
Valve shaft inspection

### 成品检测 Finished product test



水压测试 Water pressure test



气压测试 Air pressure test

装配过程100%进行水压和气压测试 During the assembly process, 100% water pressure and air pressure testing are carried out

### 型式试验 Type laboratory test

疲劳测试 Bursting pressure test



球阀寿命检测 Ball valve lifetime test



对球阀进行静压或动压寿命检测, 从而评定产品结构完好性、密封可靠性以及使用寿命  
Perform static pressure or dynamic pressure lifetime test on the ball valve to evaluate product structural integrity, sealing reliability and service life.

# 陶瓷硬密封球阀命名规则 Ball Valve Part Number

## 球阀型号表示方法 Nomenclature



表1驱动方式代号 Table 1 Ceramic ball valve driven type code

驱动方式 Driven Type	电磁驱动 Solenoid Driven	蜗轮 Worm Gear Driven	锥齿轮 Bevel Gear Driven	气动 Gas Driven	液动 Hydraulic Driven	电动 Electronic Driven
代号 Code	0	2	5	6	7	9

手动驱动时省略; 对于气动球阀: 常开式用6K; 常闭式用6B表示; 对于断电复位球阀: 常开式用9K; 常闭式用9B表示。  
There is no this code for manual ball valve. For gas driven ball valve, "6K" represents normal open, "6B" represents normal close. For the power reset ball valve, "9K" represents normal open, "9B" represents normal close.

表2连接形式代号 Table 2 Ceramic ball valve connecting type code

连接形式 Connecting Type	代号 Code	连接形式 Connecting Type	代号 Code
内螺纹 Female Thread	1	焊接式 Weld	6
外螺纹 Male Thread	2	对夹 Butt Clamp	7
胶接 Glue	3	卡箍 Clamp	8
法兰式 Flange	4	卡套 Clip	9
热熔 Hot Melting	5		

表3结构形式代号 Table 3 Ceramic ball valve structure type code

结构形式 Structure Type	代号 Code	结构形式 Structure Type	代号 Code
直通通道 Straight Passway	1	四通通道 Four-way Passway	6
浮动球 Y形三通通道 Y Shape Three-way Passway	2	固定球 直通通道 Straight Passway	7
截止阀 L形三通通道 L Shape Three-way Passway	4	固定球 T形三通通道 T Shape Three-way Passway	8
浮动球 T形三通通道 T Shape Three-way Passway	5	固定球 L形三通通道 L Shape Three-way Passway	9

表4阀体材料代号 Table 4 Ceramic ball valve body material code

阀体材料 Valve Body Material	PPO	HPb59-1	304	316	316L	UPVC	CPVC	PPH	ABS+GF10	PPE+PA
代号 Code	0	1	2	3	4	5	6	7	8	9

表5陶瓷材料代号 Table 5 Ceramic materials

密封面材料 Sealing part materials	95瓷 95% Al <sub>2</sub> O <sub>3</sub>	SiC	ZrO <sub>2</sub>	Si <sub>3</sub> N <sub>4</sub>	99瓷 99% Al <sub>2</sub> O <sub>3</sub>
代号 Code	1	2	3	4	5

表6输入电压代号 Table 6 Ceramic ball valve input voltage code

输入电压 Input Voltage	DC6V	DC12V	DC24V	DC36V	AC220V
代号 Code	1	2	3	4	5

当阀门还具有其它功能作用或带有其他特异结构时, 在阀门类型代号前再加注一个汉语拼音字母表示;  
If ball valve has other function or structure, we will add a letter before valve type code.

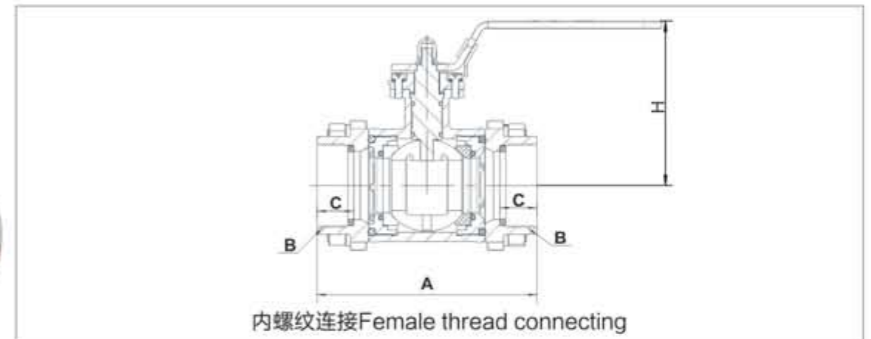
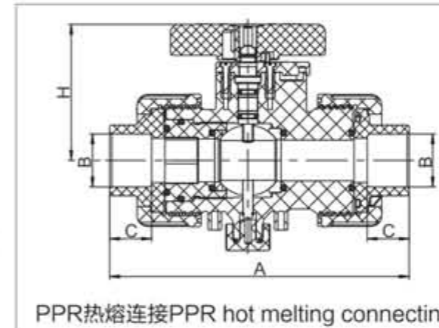
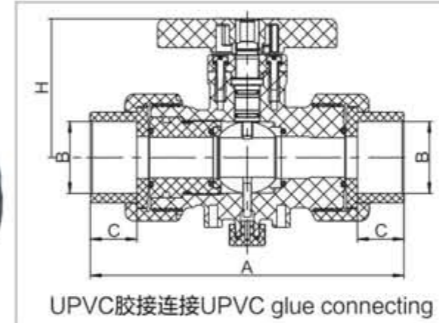
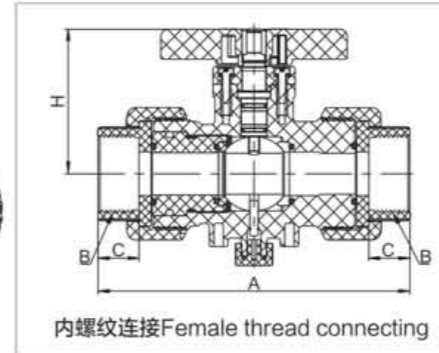
表7具有其它功能作用或带有其他特异结构的阀门代号

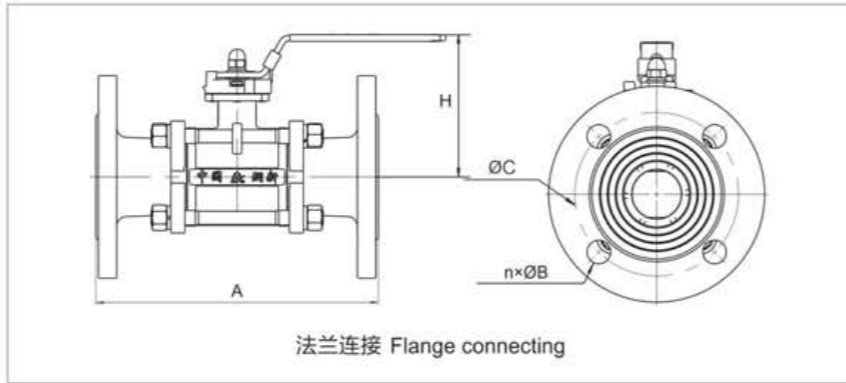
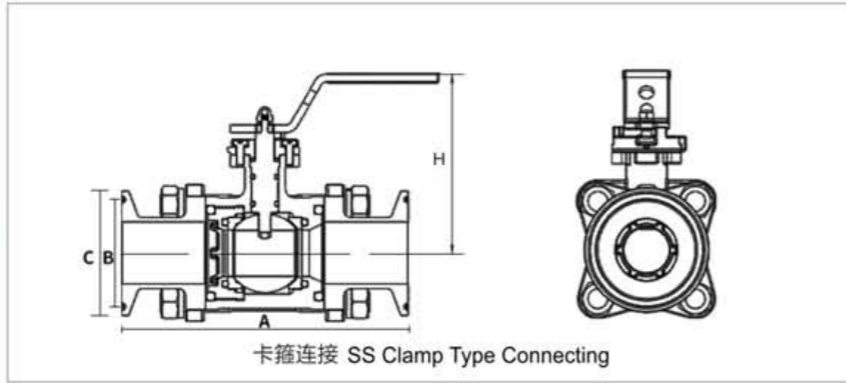
功能作用名称 Function	防火型 Fireproof Type	缓闭型 Slow-closure Type	排渣型 Slagging Type	快速型 Fast Type	辅助手动型 Auxiliary Manual Type	调节型 Adjustable Type	(阀杆密封)波纹管型 (Shaft Seal) Corrugated pipe Type	印染 Printing and Dyeing
代号 Code	F	H	P	Q	S	V	W	R

# 手动球阀 Manual Ball Valve

手动控制:通过手柄或手轮来控制球阀启闭 Manual Control: Open and close the valve through the handle or hand wheel.

## 手动直通球阀 Manual Straight-way Ball Valve





手动直通球阀 Manual Straight-way Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size (mm)				启闭方式 Open-close Type
			A	B	C	H	
DN15	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-15	111	G1/2	14	51.6	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-15	123	φ20.2	20	51.6	
	PPR热熔 PPR Hot Melting Connecting	Q5151-15	121	φ19.2	19	51.6	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-15	89	G1/2	18	60.6	

手动直通球阀 Manual Straight-way Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size (mm)				启闭方式 Open-close Type
			A	B	C	H	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-20	119	G3/4	16	51.6	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-20	123	φ25.2	20	51.6	
	PPR热熔 PPR Hot Melting Connecting	Q5151-20	121	φ24	19	51.6	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-20	89	G3/4	18	60.6	
	不锈钢卡箍 SS Clamp Type Connecting	Q8141-20	102	φ43.5	φ50.5	60.6	
	不锈钢法兰 SS Flange Type Connecting	Q4141-20	150	4×φ14	φ75	60.6	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-25	138	G1	20	61.6	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-25	142	φ32.2	22	61.6	
	PPR热熔 PPR Hot Melting Connecting	Q5151-25	146	φ31	24	61.6	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-25	99	G1	20	70.5	
	不锈钢卡箍 SS Clamp Type Connecting	Q8141-25	116	φ43.5	φ50.5	70.5	
	不锈钢法兰 SS Flange Type Connecting	Q4141-25	160	4×φ14	φ85	70.5	
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-32	167	G1 1/4	22	77.5	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-32	174	φ40.2	26	77.5	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-32	120	G1 1/4	20	91.5	
	不锈钢卡箍 SS Clamp Type Connecting	Q8141-32	136	φ43.5	φ50.5	91.5	
	不锈钢法兰 SS Flange Type Connecting	Q4141-32	180	4×φ18	φ100	91.5	

手动直通球阀 Manual Straight-way Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭方式 Open-close Type
			A	B	C	H	
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-40	182	G1 1/2	24	82.5	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-40	196	φ50.2	31	82.5	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-40	128	G1 1/2	23	96.5	
	不锈钢卡箍 SS Clamp Type Connecting	Q8141-40	160	φ56.5	φ64	96.5	
	不锈钢法兰 SS Flange Type Connecting	Q4141-40	200	4×φ18	φ110	96.5	
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q1151-50	212	G2	25	108.5	手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3151-50	237	φ63.2	38	108.5	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-50	155	G2	26	116	
	不锈钢卡箍 SS Clamp Type Connecting	Q8141-50	190	φ70.5	φ77.5	116	
	不锈钢法兰 SS Flange Type Connecting	Q4141-50	230	4×φ18	φ125	116	
DN65	UPVC胶接 UPVC Glue Type Connecting	Q3151-65	202	φ75.4	44	141.5	手柄 Handle
	UPVC法兰 UPVC Flange Type Connecting	Q4151-65	285	4×φ18	φ145	151.2	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-65	196	G2 1/2	29	141.5	
	不锈钢法兰 SS Flange Type Connecting	Q4141-65	290	4×φ18	φ145	141.5	

手动直通球阀 Manual Straight-way Ball Valve

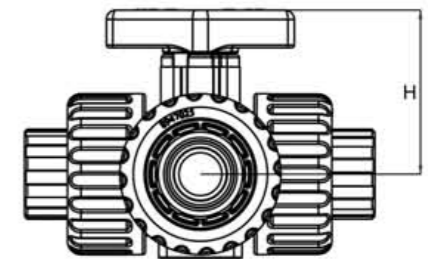
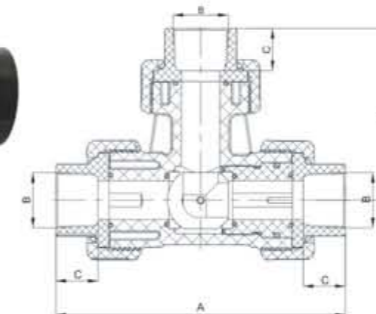
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size				启闭方式 Open-close Type
			A	B	C	H	
DN80	UPVC胶接 UPVC Glue Type Connecting	Q3151-80	330.5	φ90.5	51	149.1	手柄 Handle
	UPVC法兰 UPVC Flange Type Connecting	Q4151-80	305	8×φ18	φ160	163.7	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q1141-80	216	G3	32	149	
	不锈钢法兰 SS Flange Type Connecting	Q4141-80	310	8×φ18	φ160	149	
DN100	PPE+PA法兰 PPE+PA Flange Type Connecting	Q41X1-100	220	8×φ18	φ180	202.1	手轮 Wheel Handle
	不锈钢法兰 SS Flange Type Connecting	Q4141-100	305	8×φ18	φ180	202.1	
DN125	不锈钢法兰 SS Flange Type Connecting	Q4141-125	356	8×φ18	φ210	210.6	手轮 Wheel Handle
DN150	不锈钢法兰 SS Flange Type Connecting	Q4141-150	394	8×φ18	φ240	232.6	

备注：手动塑料球阀阀体为UPVC材料，手动金属球阀阀体为不锈钢316L材质，采用浮动球直通结构；塑料阀体：工作温度0-60℃，工作压力0-1MPa，EPDM和FKM橡胶密封材质可选；金属阀体：工作温度0-120℃，工作压力0-1.6MPa，EPDM和FKM橡胶密封材质可选，其中FKM橡胶密封材质工作温度0-200℃。

Remark: Plastic manual ball valve, the valve body material is UPVC; Metal manual ball valve, the valve body material is 316L stainless steel; Ball valve adopt the floating ball straight passway structure. Plastic ball valve: Working temperature: 0-60℃; Working pressure: 0-1MPa; Sealing rubber material: EPDM, FKM optional. Metal ball valve: Working temperature: 0-120℃; Working pressure: 0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃).

### 手动三通球阀

Manual Three-way Ball Valve



## 手动三通球阀 Manual Three-way Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭方式 Open-close Type		
			A	B	C	D	H			
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q3451-20	130.5	φ25.4	22	88	61.2	手柄 Handle		
	PPR热熔 PPR Hot Melting Connecting	Q5451-20	128.5	φ24	19	87	61.2			
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q1451-25	127	G1	20	87	61.2			
	UPVC胶接 UPVC Glue Type Connecting	Q3451-25	131	φ32.2	22	88	61.2			
	PPR热熔 PPH Hot Melting Connecting	Q5451-25	135	φ31	24	87	61.2			
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q1401-25	172	G1	22	102.5	77.5		手柄 Handle	
	UPVC胶接 UPVC Glue Type Connecting	Q3401-25	174	φ32.2	26	103.5	77.5			
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q1401-32	166	G1 1/4	22	99	77.5			
	UPVC胶接 UPVC Glue Type Connecting	Q3401-32	174	φ40.2	26	103.5	77.5			
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q1401-40	182	G1 1/2	24	115.5	82.5			手柄 Handle
	UPVC胶接 UPVC Glue Type Connecting	Q3401-40	196	φ50.2	31	122.5	82.5			
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q1401-50	212	G2	25	130.5	108.5			
	UPVC胶接 UPVC Glue Type Connecting	Q3401-50	237	φ63.2	38	130.5	108.5			
DN65 L型三通 L Type Three-way	UPVC胶接 UPVC Glue Type Connecting	Q3451-65	283	φ75.4	43	171	198.5	手柄 Handle		
DN80 L型三通 L Type Three-way	UPVC胶接 UPVC Glue Type Connecting	Q3451-80	330.5	φ90.5	51	195	206			
DN25 T型三通 T Type Three-way	PPH热熔 PPH Hot Melting Connecting	QX551-25	216	φ31	31	121.5	82.5			
	不锈钢内螺纹 SS Female Thread Type Connecting	QX541-25	148	G1	20	74	82.5			
	不锈钢卡箍 SS Clamp Type Connecting		172	φ43.5	φ50.5	86	82.5			
DN32 T型三通 T Type Three-way	UPVC胶接 UPVC Glue Type Connecting	QX551-32	206	φ40.2	26	116.5	82.5			
	PPR热熔 PPR Hot Melting Connecting		215	φ39	31	116.5	82.5			

备注：阀体为PPO或UPVC材料，采用浮动球“L”形或“T”形三通结构；工作温度0-60℃，工作压力0-1MPa，EPDM和FKM橡胶密封材质可选。

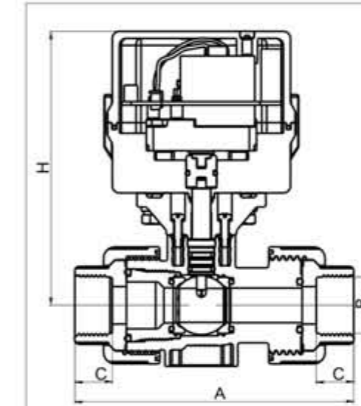
Remark: The valve body material is PPO or UPVC; It adopts the floating ball with L or T shape three-way structure. Working temperature: 0-60℃; Working pressure: 0-1MPa; Sealing rubber material: EPDM, FKM optional for ball valve.

## 两线控制球阀 Two Wires Controlling Ball Valve

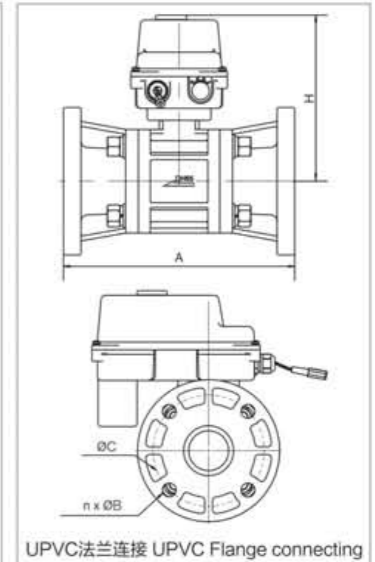
两线控制：电源控制线为两芯线，通过电源换向来控制球阀启闭。  
Two Wires Controlling: Open and close the valve through switching the polarity of motor.

### 两线控制直通球阀

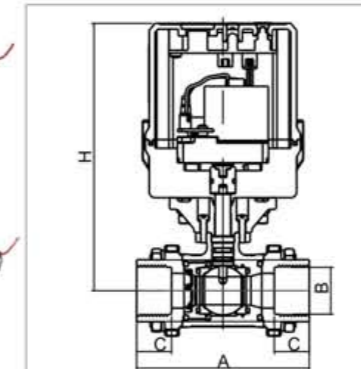
Two wires controlling straight-way ball valve



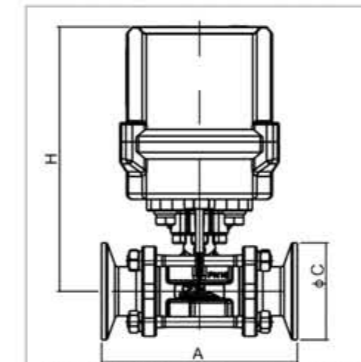
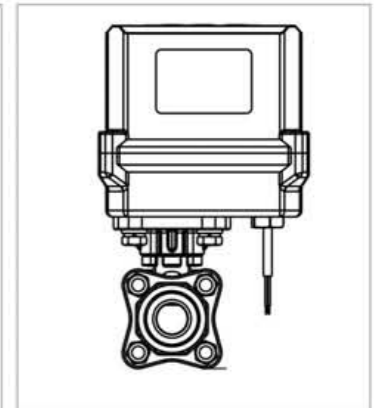
内螺纹连接Female thread connecting  
UPVC胶接连接UPVC glue connecting  
PPR热熔连接PPR hot melting connecting



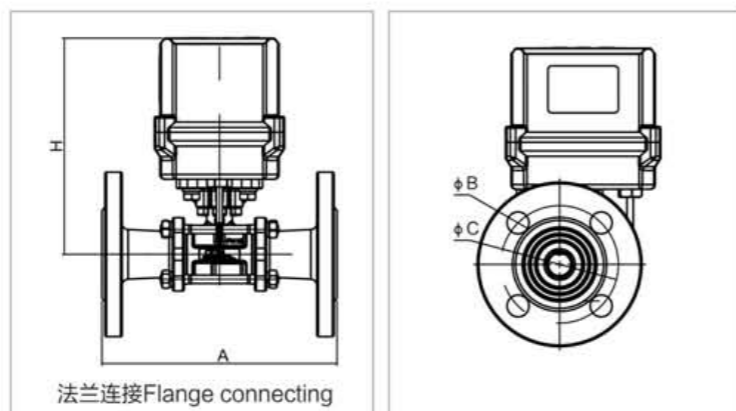
UPVC法兰连接 UPVC Flange connecting



内螺纹连接Female thread connecting



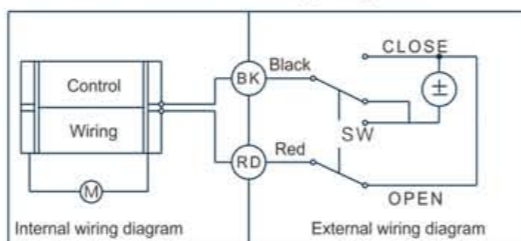
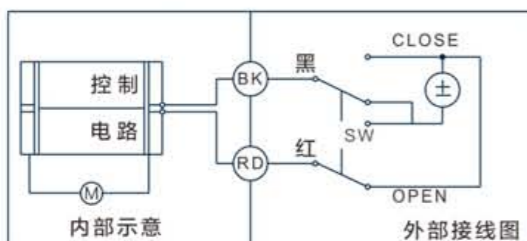
卡箍连接 SS Clamp Type Connecting



法兰连接Flange connecting

两线控制接线图

Two wires control wiring diagram



- 1、SW与OPEN短接，电动球阀打开，到位后并保持；
  - 2、SW与CLOSE短接，电动球阀关闭，到位后并保持；
- 适用于DC12V、DC24V球阀。  
SW为双联开关。

- 1.SW and OPEN connected, electric ball valve open, after putting in place and keep the same position.
  - 2.SW and CLOSE connected, electric ball valve close, after putting in place and keep the same position.
- Suitable for DC12V, DC24V ball valve. SW is two wire switch.

两线控制直通球阀 Two Wires Controlling Straight-way Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151X-15	111	G1/2	14	127.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141X-15	89	G1/2	18	127.5	5	

两线控制直通球阀 Two Wires Controlling Straight-way Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151X-20	119	G3/4	16	127.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141X-20	89	G3/4	18	127.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	127.5	5	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	127.5	5	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151X-25	138	G1	20	137.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	137.5	5	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	137.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141X-25	99	G1	20	137.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	137.5	5	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	137.5	5	
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151X-32	167	G1 1/4	22	161.7	10	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	161.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141X-32	120	G1 1/4	20	161.7		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	161.7		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	161.7		

## 两线控制直通球阀 Two Wires Controlling Straight-way Ball Valve

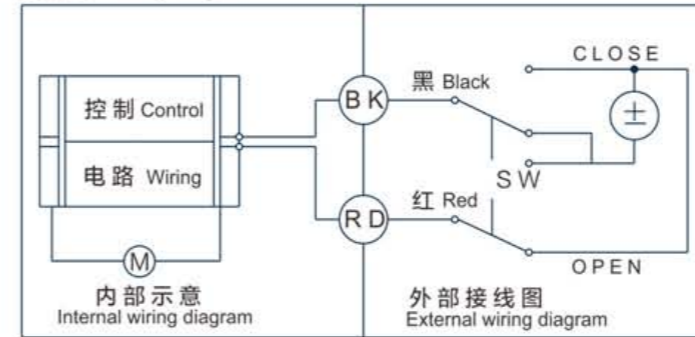
公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151X-40	182	G1 1/2	24	166.7	10	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	166.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141X-40	128	G1 1/2	23	166.7		
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	166.7		
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	166.7		
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151X-50	212	G2	25	197.2	10	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	197.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141X-50	155	G2	26	197.2		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	197.2		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	197.2		
DN65	UPVC胶接 UPVC Glue Type Connecting	Q9X1513-65	283	φ75.4	43	202.7	15	24V
	UPVC法兰 UPVC Flange Type Connecting		285	4×φ18	φ145	212.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413-65	196	G2 1/2	29	202.7		
	不锈钢法兰 SS Flange Type Connecting		290	4×φ18	φ145	202.7		
DN80	UPVC胶接 UPVC Glue Type Connecting	Q9X1513-80	330.5	φ90.5	51	210.2	15	24V
	UPVC法兰 UPVC Flange Type Connecting		305	8×φ18	φ160	225.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413-80	216	G3	32	210.2		
	不锈钢法兰 SS Flange Type Connecting		310	8×φ18	φ160	210.2		

备注:塑料球阀阀体为UPVC材料,金属球阀阀体为不锈钢316L材质,采用浮动球直通结构;  
塑料阀体:工作温度0-60℃,工作压力0-1MPa, EPDM和FKM橡胶密封材质可选;  
金属阀体:工作温度0-120℃,工作压力0-1.6MPa, EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃;  
Remark: Plastic manual ball valve, the valve body material is UPVC; Metal manual ball valve, the valve body material is 316L stainless steel;  
Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃).

## 两线控制三通球阀

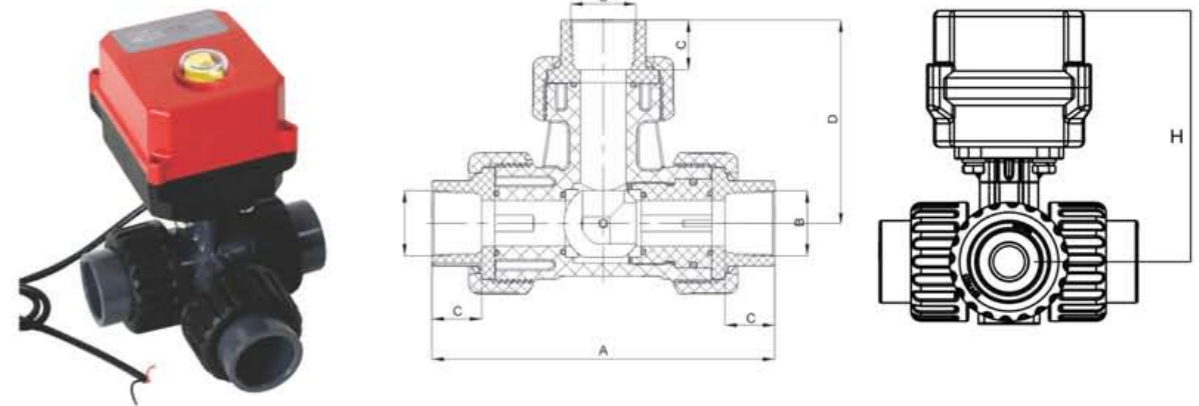
Two wires controlling three-way ball valve

接线图 Wiring diagram



1、SW与OPEN短接,电动球阀打开,到位后并保持;  
2、SW与CLOSE短接,电动球阀关闭,到位后并保持;  
适用于DC12V、DC24V球阀。SW为双联开关。

1、SW and OPEN connected, electric ball valve open, after putting in place and keep the same position.  
2、SW and CLOSE connected, electric ball valve close, after putting in place and keep the same position.  
Suitable for DC12V, DC24V ball valve. SW is two wire switch.



## 两线控制三通球阀 Two wires controlling three-way ball valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	QQ9X451X-20	131	φ25.2	20	88	137.5	5	24V(12V)
	PPR热熔 PPH Hot Melting Connecting		129	φ24	19	87	137.5		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	QQ9X451X-25	127	G1	20	88	137.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		131	φ32.2	22	86	137.5		
	PPR热熔 PPH Hot Melting Connecting		135	φ31	24	88	137.5		

## 两线控制三通球阀 Two wires controlling three-way ball valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间 Open-close Time(s)	输入电压 Input Voltage		
			A	B	C	D	H				
DN25 PPO阀体 PPO Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q9X401X-25	172	G1	22	102.5	161.7	10	24V(12V)		
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	103.5	161.7				
DN32 PPO阀体 PPO Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q9X401X-32	166	G1 1/4	22	99	161.7				
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	103.5	161.7				
DN40 PPO阀体 PPO Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q9X401X-40	182	G1 1/2	24	115.5	162.7				
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	122.5	162.7				
DN50 PPO阀体 PPO Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q9X401X-50	212	G2	25	130.5	193.2			24V	
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	130.5	193.2				
DN65 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513-65	283	φ75.4	43	171	202.7			15	24V
DN80 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513-80	330.5	φ90.5	51	195	210.2			15	24V

备注：阀体为PPO或UPVC材料，采用浮动球“L”形或“T”形三通结构；工作温度0-60℃，工作压力0-1MPa，EPDM和FKM橡胶密封材质可选。

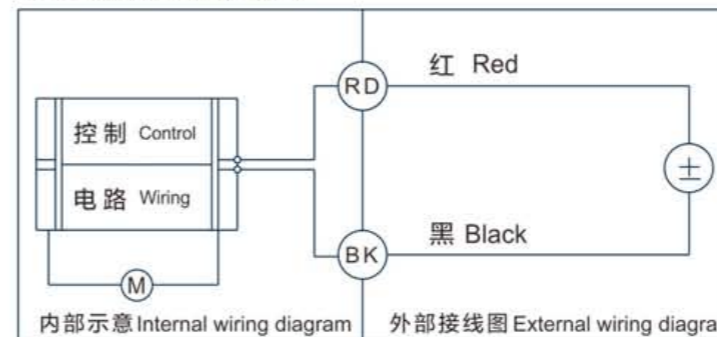
Remark: The valve body material is PPO or UPVC; It adopts the floating ball with L or T shape three-way structure. Working temperature: 0-60℃; Working pressure: 0-1MPa; Sealing rubber material: EPDM, FKM optional

## 时间型启闭球阀 Timing Control Ball Valve

### 时间段启闭球阀

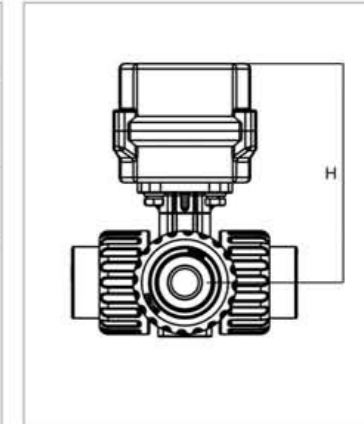
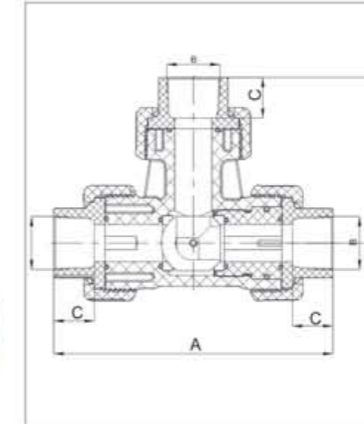
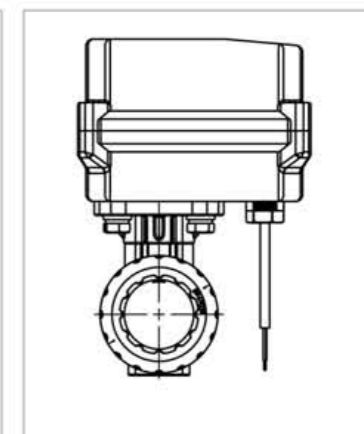
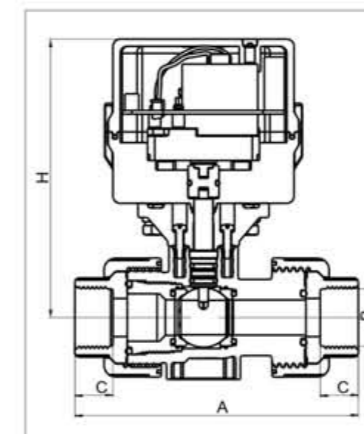
Duration Time Control Ball Valve

接线图 Control wiring diagram



- 1、在设定开的时间段，电动球阀打开；
  - 2、在设定关的时间段，电动球阀关闭；
- 适用于DC12V或DC24V球阀。  
时间段控制/可设定范围：1分钟~999小时  
59分和15秒~999分钟59秒两种时间范围，  
球阀按照设定的时长周期循环执行开和关。

1. At opening duration time, electric ball valve open.
  2. At closing duration time, electric ball valve close. Suitable for DC12V or DC24V ball valve.
- Two modes of time range: 000:01 ~ 999:59 (hour: minute) and 000:15 ~ 999:59 (minute: second).



时间段启闭球阀 Duration Time Control Ball Valve								
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-15	111	G1/2	14	138	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	138	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	138	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-15	89	G1/2	18	138	5	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-20	119	G3/4	16	138	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	138	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	138	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-20	89	G3/4	18	138	5	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	138	5	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	138	5	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-25	138	G1	20	148	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	148	5	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	148	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-25	99	G1	20	148	5	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	148	5	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	148	5	

时间段启闭球阀 Duration Time Control Ball Valve									
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN32	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-32	167	G1 1/4	22	/	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	/	151.5		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-32	120	G1 1/4	20	/	151.5		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	/	151.5		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	/	151.5		
DN40	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-40	182	G1 1/2	24	/	156.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	/	156.5		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-40	128	G1 1/2	23	/	156.5		
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	/	156.5		
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	/	156.5		

DN50	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA-50	212	G2	25	/	185	8	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	/	185		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA-50	155	G2	26	/	185		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	/	185		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	/	185		
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	QQ9X451XA-20	130.5	φ25.2	20	88	148	5	24V (12V)
	PPR热熔 PPH Hot Melting Connecting		128.5	φ24	19	87	148		

## 时间段启闭球阀 Duration Time Control Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	QQ9X451XA-25	126.5	G1	20	88	148	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	86	148		
	PPR热熔 PPH Hot Melting Connecting		134.5	φ31	24	88	148		
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA-25	172	G1	22	102.5	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	103.5	151.5		
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA-32	166	G1 1/4	22	99	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	103.5	151.5		
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA-40	182	G1 1/2	24	115.5	156.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	122.5	156.5		
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA-50	212	G2	25	130.5	185	8	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	130.5	185		

备注:A代表可设定启闭时长的独立控制球阀;

塑料球阀阀体为PPO或UPVC材料,金属阀体为不锈钢316L材质,采用浮动球直通结构;

工作温度0-60℃,工作压力0-1MPa,EPDM和FKM橡胶密封材质可选;

金属阀体为不锈钢316材质,工作温度0-120℃,工作压力0-1.6MPa,EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃;

括号内的参数为可选型,订货提前说明。三通球阀为塑料阀体,采用浮动球“L”形三通结构;

Remark: A means the duration time control ball valve;

Plastic manual ball valve, the valve body material is PPO or UPVC; Metal manual ball valve, the valve body material is 316L stainless steel;

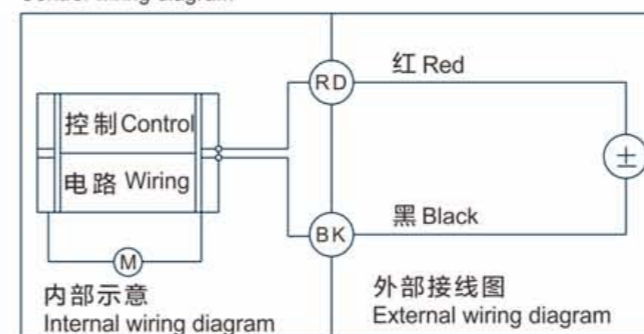
Ball valve adopt the floating ball straight passway structure. Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃The parameter outside of brace is for the standard matching, the inside is for optional. Please describe your requested parameter in your order.The three-way ball valve material is PPO, and it adopts the floating ball with L shape three-way structure.

## 时间点启闭球阀

### Point in Time Control Ball Valve

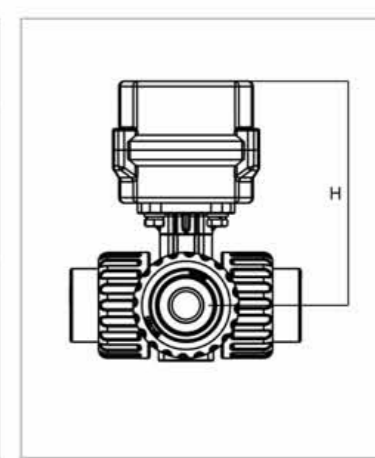
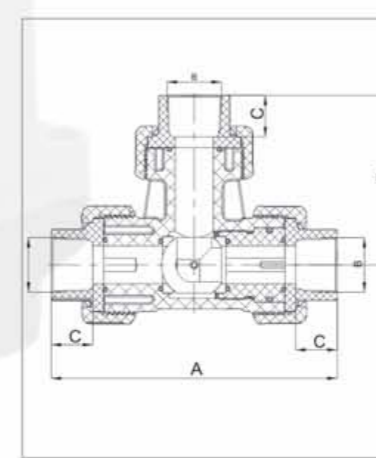
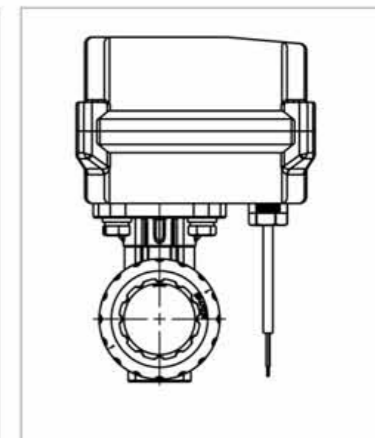
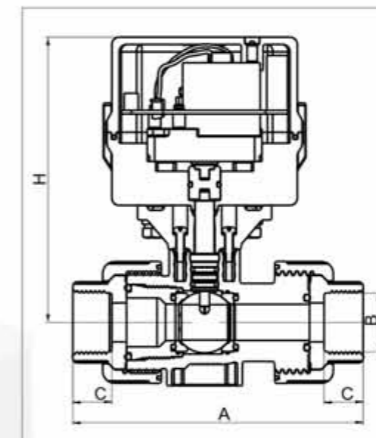
接线图

Control wiring diagram



- 1、可对星期一至星期日的每一天在不同时间点设置球阀的开/关,每天最多可设置5组开和关时间点。当天开关次数设为“0”时,当天全天的开关状态保持前一天最后一天的开关状态。
- 2、适用于DC12V或DC24V球阀。

- 1.Can be controlled individually by setting open- close point-in-time from Monday to Sunday. If the number of switch is set to“0”, then switch state will keep the same as last time the day before.
- 2.Suitable for DC12V or DC24V ball valve.



时间点启闭球阀 Point in Time Control Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA1-15	111	G1/2	14	138	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	138		
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	138		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA1-15	89	G1/2	18	138		
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA1-20	119	G3/4	16	138	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	138		
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	138		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA1-20	89	G3/4	18	138		
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	138		
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	138		
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XA1-25	138	G1	20	148	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	148		
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	148		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XA1-25	99	G1	20	148		
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	148		
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	148		

时间点启闭球阀 Point in Time Control Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XA1-32	167	G1 1/4	22	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	151.5		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XA1-32	120	G1 1/4	20	151.5		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	151.5		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	151.5		
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XA1-40	182	G1 1/2	24	156.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	156.5		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XA1-40	128	G1 1/2	23	156.5		
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	156.5		
	不锈钢法兰 SS Flange Type Connecting	200	4×φ18	φ110	156.5			
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XA1-50	212	G2	25	185	8	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	185		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XA1-50	155	G2	26	185		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	185		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	185		

## 时间点启闭球阀 Point in Time Control Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	QQ9X451XA1-20	130.5	φ25.2	20	88	148	5	24V (12V)
	PPR热熔 PPH Hot Melting Connecting		128.5	φ24	19	87	148		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	QQ9X451XA1-25	126.5	G1	20	88	148	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	86	148		
	PPR热熔 PPH Hot Melting Connecting		134.5	φ31	24	88	148		
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA1-25	172	G1	22	102.5	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ 32.2	26	103.5	151.5		
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA1-32	166	G1 1/4	22	99	151.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ 40.2	26	103.5	151.5		
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA1-40	182	G1 1/2	24	115.5	156.5	8	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ 50.2	31	122.5	156.5		
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XA1-50	212	G2	25	130.5	185	8	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ 63.2	38	130.5	185		

备注:A1代表可设定时间点启闭的独立控制;塑料球阀阀体为PPO或UPVC材料,金属球阀阀体为316L不锈钢材质,采用浮动球直通结构;  
塑料阀体:工作温度0-60℃,工作压力0-1MPa, EPDM和FKM橡胶密封材质可选;金属阀体:工作温度0-120℃,工作压力0-1.6MPa,  
EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃。

Remark: A1 means the point in time control ball valve. Plastic manual ball valve, the valve body material is PPO or UPVC; Metal manual ball valve, the valve body material is 316L stainless steel; Ball valve adopt the floating ball straight passway structure. Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa;  
Sealing rubber material: EPDM, FKM optional Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃)

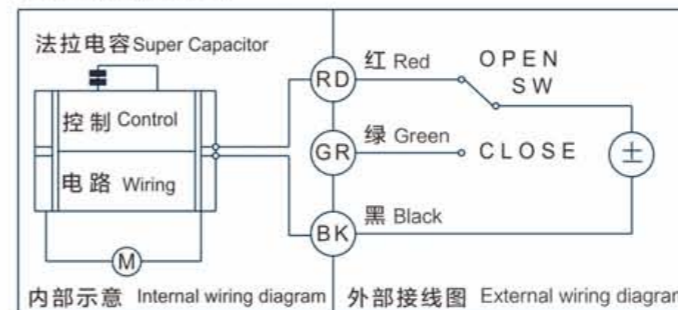
## 断电复位球阀 Power Reset Ball Valve

### 三线控制断电复位球阀

#### Three Wires Power Reset Ball Valve

接线图

Control wiring diagram



1、SW与红线相连,电动球阀打开,到位后并保持;

2、SW与绿线相连,电动球阀关闭,到位后并保持;

适用于DC12V、DC24V球阀。

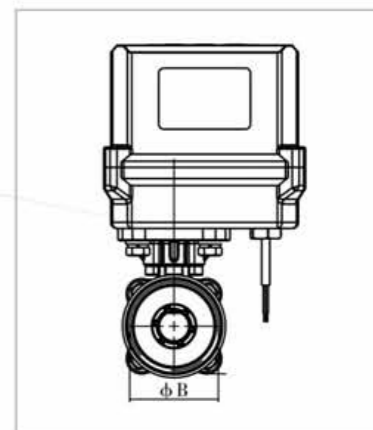
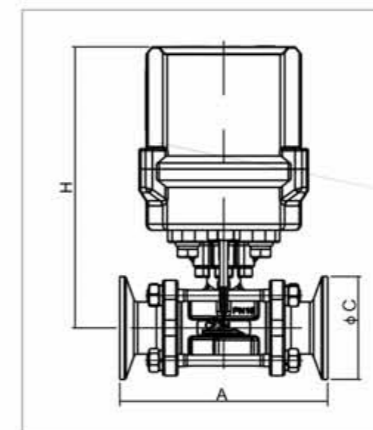
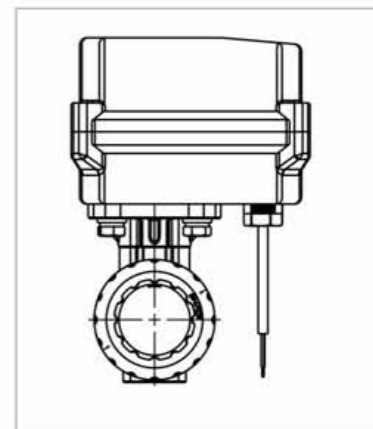
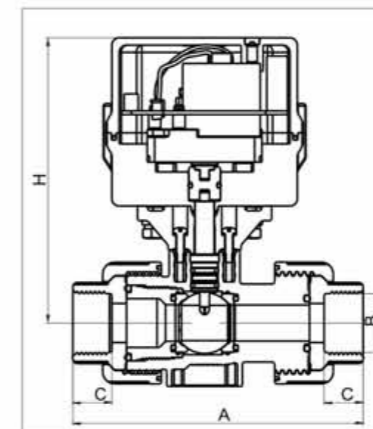
三线断电复位:控制线为三芯线,同三线控制。正常工作时,法拉电容充电待用,外部发生停/断电时,电容放电使球阀自动复位。

1、SW and the red wire connected, electric ball valve open, after putting in place and keep the same position.

2、SW and the green wire connected, electric ball valve close, after putting in place and keep the same position.

Suitable for DC12, DC24V ball valve.

Three wires power rest ball valve: three wires controlling, the same as three wires controlling ball valve. In the normal situation, the super capacitor is charged and standby. When power off, the super capacitor provide the power to ball valve to reset.



三线控制断电复位球阀 Three Wires Power Reset Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X1512B1-15	111	G1/2	14	127.5	5	12-24V
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X1412B1-15	89	G1/2	18	127.5	5	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X1512B1-20	119	G3/4	16	127.5	5	12-24V
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X1412B1-20	89	G3/4	18	127.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	127.5	5	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	127.5	5	

三线控制断电复位球阀 Three Wires Power Reset Ball Valve

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X1512B1-25	138	G1	20	137.5	5	12-24V
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	137.5	5	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	137.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X1412B1-25	99	G1	20	137.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	137.5	5	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	137.5	5	

备注: B1代表三线断电复位; 启闭时间为5秒的断电复位球阀, 工作电压不大于0.8MPa

塑料球阀阀体为UPVC材料, 采用浮动球直通结构;

金属球阀阀体为316L不锈钢材质。塑料阀体: 工作温度0-60℃, 工作压力0-1MPa, EPDM和FKM橡胶密封材质可选; 金属阀体:

工作温度0-120℃, 工作压力0-1.6MPa, EPDM和FKM橡胶密封材质可选, 其中FKM橡胶密封材质工作温度0-200℃。

Remark: B1 means the three wires power rest ball valve; The power rest ball valve with 5 seconds open-close, the working pressure should less than 0.8Mpa

Plastic ball valve, the valve body material is UPVC; Metal ball valve, the valve body material is 316L stainless steel;

Ball valve adopt the floating ball straight passway structure.

Plastic ball valve :Working temperature: 0-60℃; Working pressure: 0-1MPa; Sealing rubber material: EPDM, FKM optional

Metal ball valve :Working temperature: 0-120℃; Working pressure: 0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃)

# 带位置反馈球阀 Ball Valve with Position Feedback

## 两线控制带位置反馈球阀 (DC)

Two Wires Ball Valve with Position Feedback

接线为五芯线(直流电源):电源控制线为二芯线, 反馈信号线为三芯线。

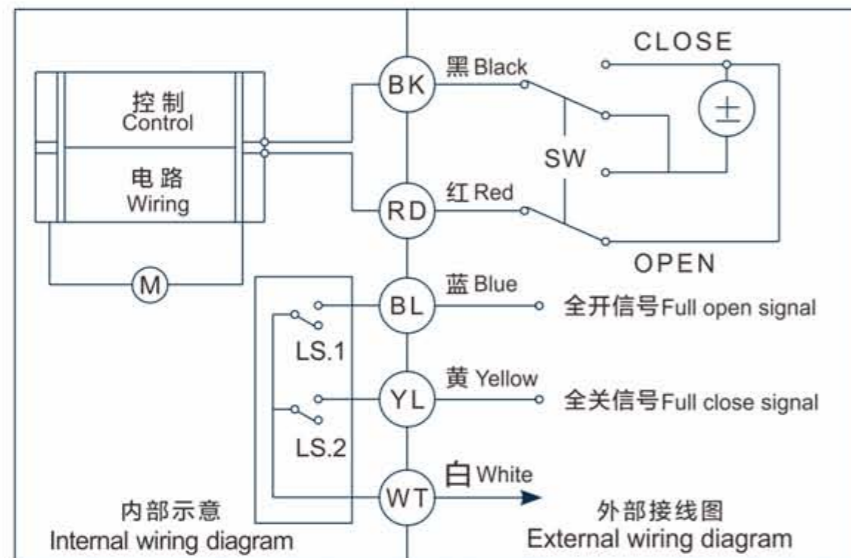
电源控制线接正向电压为开, 并提供“开”信号;

电源控制线接反向电压为关, 并提供“关”信号;

There are five wires (DC power supply): the power control has two wires, and the feedback signal has three wires. When the power control wire connects to the positive pole, the ball valve open and it provides an "open" signal. When the power control wire connects to the negative pole, the ball valve close and it provides a "close" signal.

接线图

Control wiring diagram



- 1、SW与OPEN短接, 电动球阀打开, 到位后并保持。同时LS.1接通并给出开到位置信号, 即BL与WT相通;
- 2、SW与CLOSE短接, 电动球阀关闭, 到位后并保持。同时LS.2接通并给出关到位置信号, 即YL与WT相通; 适用于DC24V球阀。

- 1、SW and OPEN connected, electric ball valve open, after putting in place and keep the same position. At the same time the LS. 1 connected and send out the full open signal, which is BL and WT connected.
- 2、SW and CLOSE connected, electric ball valve close, after putting in place and keep the same position. At the same time the LS. 2 connected and send out the full close signal, which is YW and WT connected. Suitable for DC24V ball valve.

备注:塑料球阀阀体为PPO或UPVC材料, 金属球阀阀体为316L不锈钢材质, 采用浮动球直通结构;

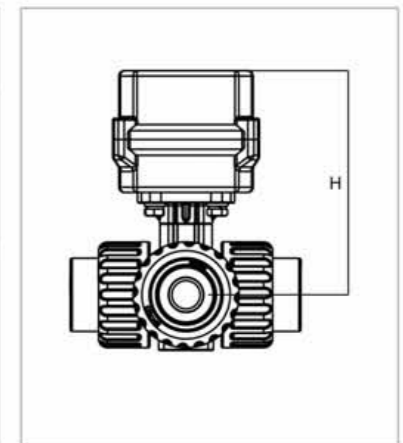
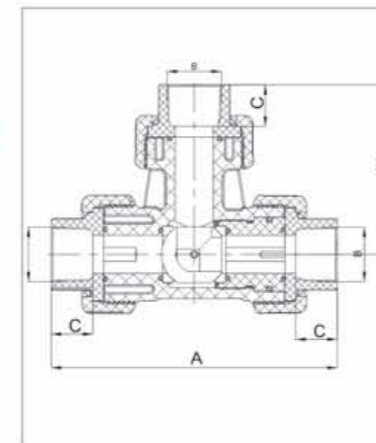
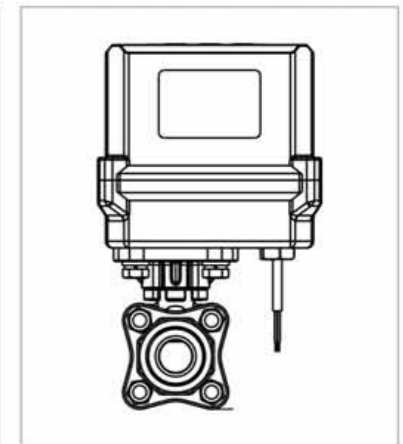
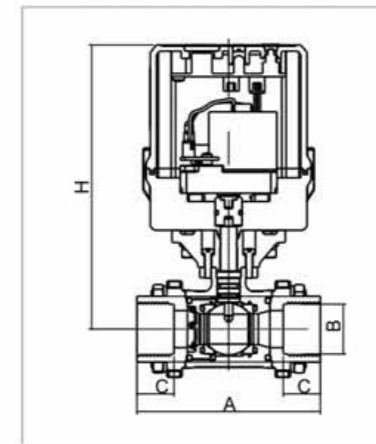
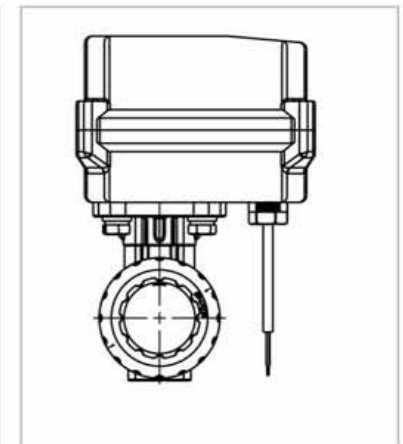
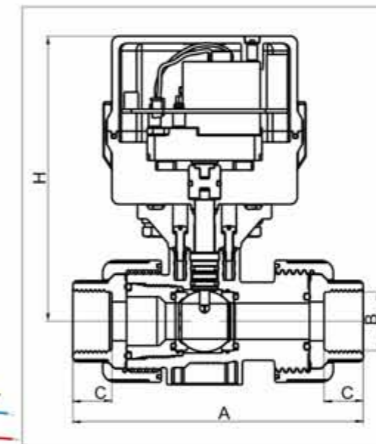
塑料阀体: 工作温度0-60℃, 工作压力0-1MPa, EPDM和FKM橡胶密封材质可选;

金属阀体: 工作温度0-120℃, 工作压力0-1.6MPa, EPDM和FKM橡胶密封材质可选, 其中FKM橡胶密封材质工作温度0-200℃;

三通球阀阀体为PPO或UPVC材料, 采用浮动球“L”或“T”形三通结构;

Remark: Plastic manual ball valve, the valve body material is PPO or UPVC; Metal manual ball valve, the valve body material is 316L stainless steel; Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃)

The three-way ball valve material is PPO or UPVC, and it adopts the floating ball with L or T shape three-way structure.



两线控制带位置反馈球阀 Two Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XD-15	111	G1/2	14	127.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XD-15	89	G1/2	18	127.5	5	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XD-20	119	G3/4	16	127.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XD-20	89	G3/4	18	127.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	127.5	5	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	127.5	5	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XD-25	138	G1	20	137.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	137.5	5	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	137.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XD-25	99	G1	20	137.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	137.5	5	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	137.5	5	

两线控制带位置反馈球阀 Two Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XD-32	167	G1 1/4	22	161.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	161.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XD-32	120	G1 1/4	20	161.7		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	161.7		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	161.7		
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XD-40	182	G1 1/2	24	166.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	166.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XD-40	125	G1 1/2	23	166.7		
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	166.7		
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	166.7		
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XD-50	212	G2	25	197.2	10	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	197.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XD-50	155	G2	26	197.2		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	197.2		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	197.2		

两线控制带位置反馈球阀 Two Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN65	UPVC胶接 UPVC Glue Type Connecting	Q9X1513D-65	283	φ75.4	44	/	202.7	15	24V
	UPVC法兰 UPVC Flange Type Connecting		285	4×φ18	φ145	/	212.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413D-65	196	G2 1/2	29	/	202.7		
	不锈钢法兰 SS Flange Type Connecting		290	4×φ18	φ145	/	202.7		
DN80	UPVC胶接 UPVC Glue Type Connecting	Q9X1513D-80	330.5	φ90.5	51	/	210.2	15	24V
	UPVC法兰 UPVC Flange Type Connecting		305	8×φ18	φ160	/	225.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413D-80	216	G3	32	/	210.2		
	不锈钢法兰 SS Flange Type Connecting		310	8×φ18	φ160	/	210.2		
DN100	PPE+PA法兰 PPE+PA Flange Type Connecting	Q9X1513D-100	220	8×φ18	φ180	/	299.6	30	24V
	不锈钢法兰 SS Flange Type Connecting	Q9X1413D-100	305	8×φ18	φ180	/	299.6		
DN125	不锈钢法兰 SS Flange Type Connecting	Q9X1413D-125	356	8×φ18	φ210	/	284	30	24V
DN150	不锈钢法兰 SS Flange Type Connecting	Q9X1413D-150	394	8×φ18	φ240	/	325	30	24V
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	QQ9X451XD-20	130.5	φ25.4	22	88	137.5	5	24V(12V)
	PPR热熔 PPH Hot Melting Connecting		128.5	φ24	19	87	137.5		

两线控制带位置反馈球阀 Two Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	QQ9X451XD-25	126.5	G1	20	88	137.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	86	137.5		
	PPR热熔 PPH Hot Melting Connecting		134.5	φ31	24	88	137.5		
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XD-25	172	G1	22	102.5	161.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	103.5	161.7		
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XD-32	166	G1 1/4	22	99	161.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	103.5	161.7		
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XD-40	182	G1 1/2	24	115.5	166.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.5	31	122.5	166.7		
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XD-50	212	G2	25	130.5	197.2	10	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	130.5	197.2		
DN65 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513D-65	283	φ75.4	43	171	202.7	15	24V
DN80 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513D-80	330.5	φ90.5	51	195	210.2	15	24V
DN25 T型三通 T Type Three-way	PPH热熔 PPH Hot Melting Connecting	Q9X551XD-25	216	φ31	31	121.5	166.8	10	24V(12V)
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X541XD-25	148	G1	20	74	166.8		
DN32 T型三通 T Type Three-way	不锈钢卡箍 SS Clamp Type Connecting		Q9X551XD-32	172	φ43.5	φ50.5	86	166.8	10
	UPVC胶接 UPVC Glue Type Connecting	206		φ40.2	26	116.5	166.8		
DN32 T型三通 T Type Three-way	PPR热熔 PPH Hot Melting Connecting	Q9X551XD-32	215	φ39	31	116.5	166.8	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		206	φ40.2	26	116.5	166.8		

## 三线控制带位置反馈球阀(DC)

### Three Wires Ball Valve with Position Feedback (DC)

接线为六芯线(直流电源):电源控制线为三芯线,反馈信号线为三芯线。

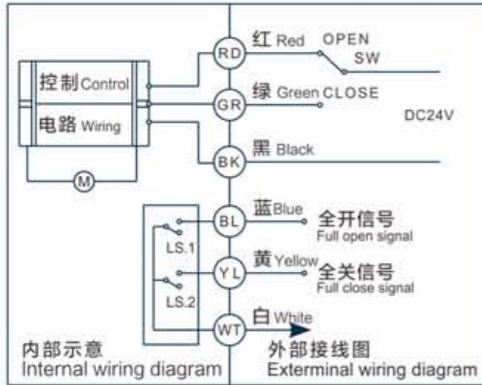
电源控制线接正向电压为开,并提供“开”信号;

电源控制线接反向电压为关,并提供“关”信号;

There are six wires (DC power supply): the power control has three wires, and the feedback signal has three wires.

When the power control wire connects to the positive pole, the ball valve open and it provides an "open" signal.

When the power control wire connects to the negative pole, the ball valve close and it provides an "close" signal.



#### 接线图

#### Control wiring diagram

1、SW与红线相连,阀门打开,到位后并保持。同时LS.1接通并给出开到位置信号,即蓝线与白线相通;

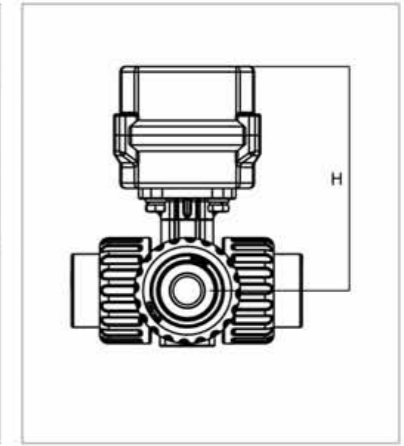
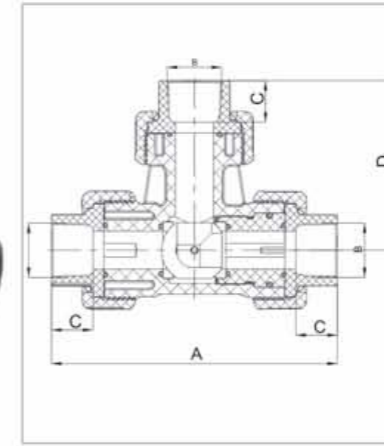
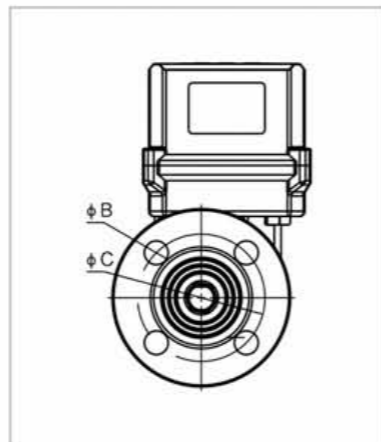
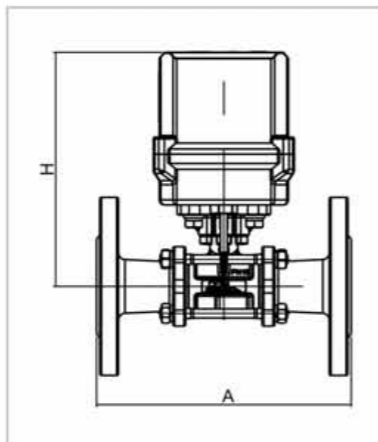
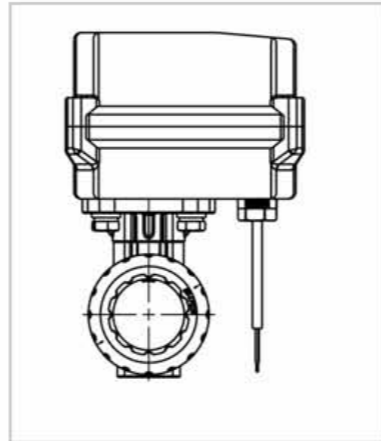
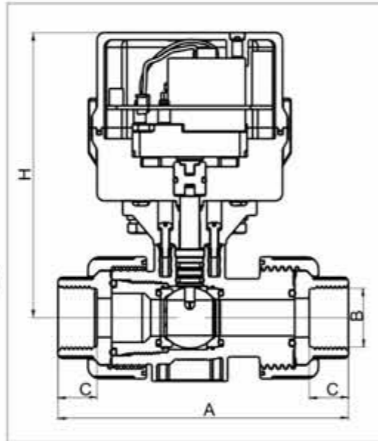
2、SW与绿线相连,阀门关闭,到位后并保持。同时LS.2接通并给出关到位置信号,即黄线与白线相通;

3、适用于DC24V阀门。

1、SW and the red wire connected, electric ball valve open, after putting in place and keep the same position. At the same time the LS.1 connected and send out the full open signal, which is BL and WT connected.

2、SW and the green wire connected, electric ball valve close, after putting in place and keep the same position. At the same time the LS.2 connected and send out the full close signal, which is YL and WT connected.

3、Suitable for DC24V ball valve.



### 三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(DC)

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-15	111	G1/2	14	127.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-15	89	G1/2	18	127.5	5	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-20	119	G3/4	16	127.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	127.5	5	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	127.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-20	89	G3/4	18	127.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	127.5	5	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	127.5	5	

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-25	138	G1	20	137.5	5	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	137.5	5	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	137.5	5	
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-25	99	G1	20	137.5	5	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	137.5	5	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	137.5	5	
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XE-32	167	G1 1/4	22	161.7	10	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	161.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-32	120	G1 1/4	20	161.7		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	161.7		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	161.7		
	UPVC胶接 UPVC Glue Type Connecting		182	G1 1/2	24	166.7		
DN40	UPVC胶接 UPVC Glue Type Connecting	Q9X151XE-40	196	φ50.2	31	166.7	10	24V (12V)
	不锈钢内螺纹 SS Female Thread Type Connecting		125	G1 1/2	23	166.7		
	不锈钢卡箍 SS Clamp Type Connecting	Q9X141XE-40	160	φ56.5	φ64	166.7		
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	166.7		

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XE-50	212	G2	25	197.2	10	24V (12V)
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	197.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-50	155	G2	26	197.2		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	197.2		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	197.2		
DN65	UPVC胶接 UPVC Glue Type Connecting	Q9X1513E-65	283	φ75.4	43	202.7	15	24V
	UPVC法兰 UPVC Flange Type Connecting		285	4×φ18	φ145	212.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413E-65	196	G2 1/2	29	202.7		
不锈钢法兰 SS Flange Type Connecting	290		4×φ18	φ145	202.7			
DN80	UPVC胶接 UPVC Glue Type Connecting	Q9X1513E-80	330.5	φ90.5	51	210.2	15	24V
	UPVC法兰 UPVC Flange Type Connecting		305	8×φ18	φ160	225.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X1413E-80	216	G3	32	210.2		
	不锈钢法兰 SS Flange Type Connecting		310	8×φ18	φ160	210.2		
DN100	PPE+PA法兰 PPE+PA Flange Type Connecting	Q9X1513E-100	220	8×φ18	φ180	299.6	30	24V
	不锈钢法兰 SS Flange Type Connecting	Q9X1413E-100	305	8×φ18	φ180	299.6		
DN125	不锈钢法兰 SS Flange Type Connecting	Q9X1413E-125	356	8×φ18	φ210	284	30	24V
DN150	不锈钢法兰 SS Flange Type Connecting	Q9X1413E-150	394	8×φ18	φ240	325	30	24V

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X451XE-20	130.5	φ25.4	22	88	137.5	5	24V(12V)
	PPR热熔 PPH Hot Melting Connecting		128.5	φ24	19	87	137.5		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	Q9X451XE-25	126.5	G1	20	88	137.5	5	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	86	137.5		
	PPR热熔 PPH Hot Melting Connecting		134.5	φ31	24	88	137.5		
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-25	172	G1	22	102.5	161.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	103.5	161.7		
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-32	166	G1 1/4	22	99	161.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	103.5	161.7		
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-40	182	G1 1/2	24	115.5	166.7	10	24V(12V)
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.5	31	122.5	166.7		
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-50	212	G2	25	130.5	197.2	10	24V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	130.5	197.2		
DN65 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513E-65	283	φ75.4	43	171	202.7	15	24V
DN80 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X4513E-80	330.5	φ90.5	51	195	210.2	15	24V

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(DC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN25 T型三通 T Type Three-way	PPH热熔 PPH Hot Melting Connecting	Q9X551XE-25	216	φ31	31	121.5	166.8	10	24V(12V)
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X541XE-25	148	G1	20	110.5	166.8		
	不锈钢卡箍 SS Clamp Type Connecting		172	φ43.5	φ50.5	122.5	166.8		
DN32 T型三通 T Type Three-way	UPVC胶接 UPVC Glue Type Connecting	Q9X551XE-32	206	φ40.2	26	116.5	166.8	10	24V(12V)
	PPR热熔 PPH Hot Melting Connecting		215	φ39	31	116.5	166.8		

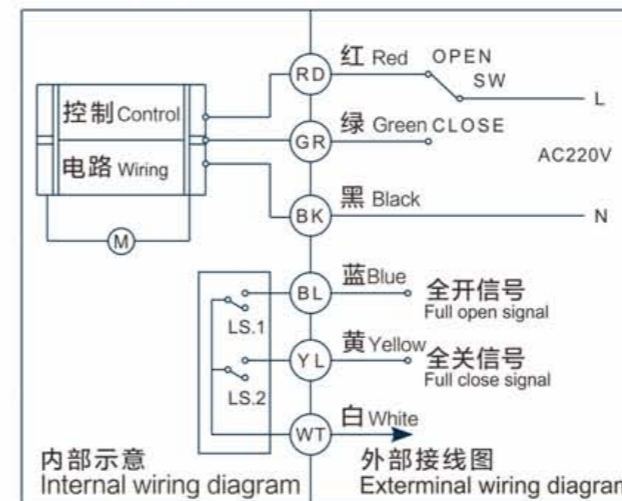
备注:塑料球阀阀体为PPO或UPVC材料,金属球阀阀体为316L不锈钢材质,采用浮动球直通结构;  
塑料阀体:工作温度0-60℃,工作压力0-1MPa,EPDM和FKM橡胶密封材质可选;  
金属阀体:工作温度0-120℃,工作压力0-1.6MPa,EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃;  
三通球阀阀体为PPO或UPVC材料,采用浮动球“L”或“T”形三通结构;

Remark: Plastic manual ball valve, the valve body material is PPO or UPVC; Metal manual ball valve, the valve body material is 316L stainless steel; Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃)  
The three-way ball valve material is PPO or UPVC, and it adopts the floating ball with L or T shape three-way structure.

三线控制带位置反馈球阀(AC)

Three Wires Ball Valve with Position Feedback(AC)

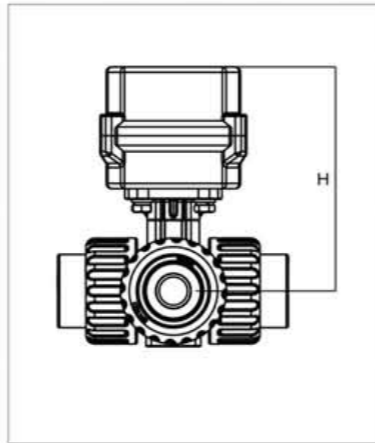
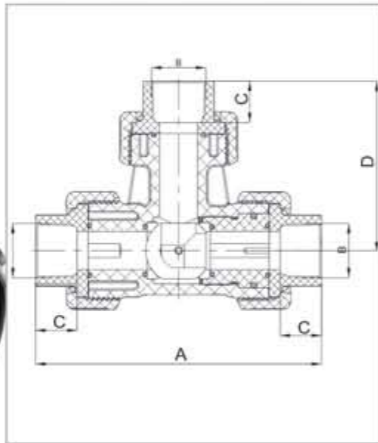
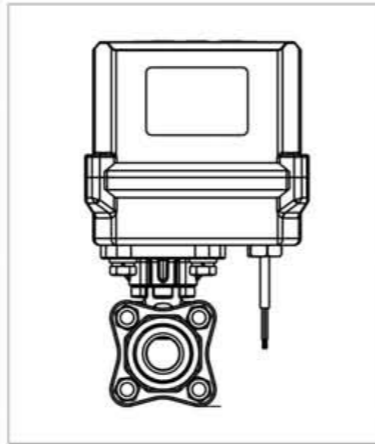
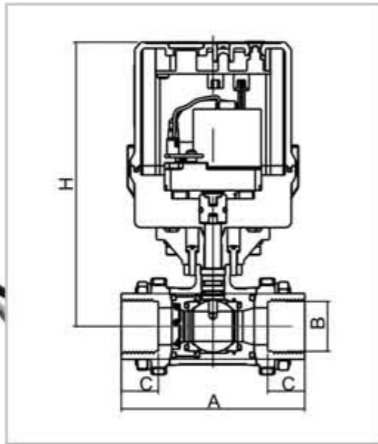
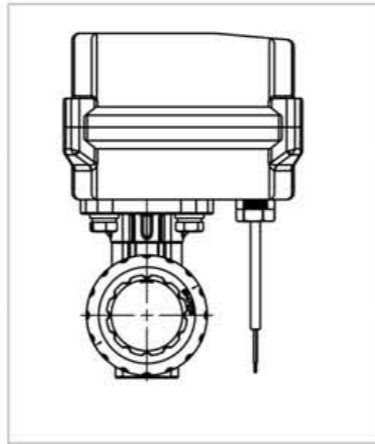
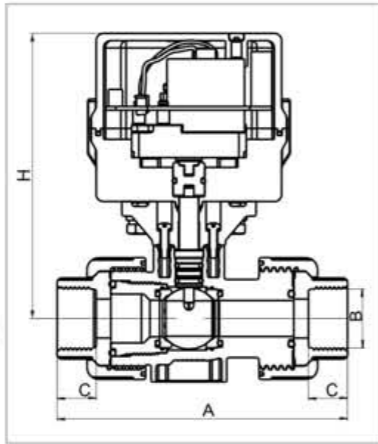
接线图  
Control wiring diagram



- 1、SW与红线相连,阀门打开,到位后并保持。同时LS.1接通并给出开到位置信号,即蓝线与白线相通;
- 2、SW与绿线相连,阀门关闭,到位后并保持。同时LS.2接通并给出关到位置信号,即黄线与白线相通;
- 3、适用于AC220V阀门。

- 1、SW and the red wire connected, electric ball valve open, after putting in place and keep the same position. At the same time the LS.1 connected and send out the full open signal, which is BL and WT connected.
- 2、SW and the green wire connected, electric ball valve close, after putting in place and keep the same position. at the same time the LS.2 connected and send out the full close signal, which is YL and WT connected.
- 3、Suitable for AC220V ball valve.

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(AC)



公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN15	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-15	111	G1/2	14	154	5	220V
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	154		
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	154		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-15	89	G1/2	18	154		
DN20	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-20	119	G3/4	16	154	5	220V
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	154		
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	154		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-20	89	G3/4	18	154		
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	154		
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	154		
DN25	PPO内螺纹 PPO Female Thread Type Connecting	QQ9X151XE-25	138	G1	20	164	5	220V
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	164		
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	164		
	不锈钢内螺纹 SS Female Thread Type Connecting	QQ9X141XE-25	99	G1	20	164		
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	164		
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	164		

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(AC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size (mm)				启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	H		
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XE-32	167	G1 1/4	22	161.7	45	220V
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	161.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-32	120	G1 1/4	20	161.7		
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	161.7		
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	161.7		
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XE-40	182	G1 1/2	24	166.7		
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	166.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-40	128	G1 1/2	23	166.7		
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	166.7		
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	166.7		
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q9X151XE-50	212	G2	25	197.2	25	220V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	197.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-50	155	G2	26	197.2		
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	197.2		
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	197.2		

三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(AC)

公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size (mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN65	UPVC胶接 UPVC Glue Type Connecting	Q9X151XE-65	283	φ75.4	44	/	202.7	15	220V
	UPVC法兰连接 UPVC Flange Type Connecting		285	4×φ18	φ145	/	212.7		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-65	196	G2 1/2	29	/	202.7		
	不锈钢法兰 SS Flange Type Connecting		290	4×φ18	φ145	/	202.7		
DN80	UPVC胶接 UPVC Glue Type Connecting	Q9X151XE-80	330.5	φ90.5	51	/	210.2	15	
	UPVC法兰连接 UPVC Flange Type Connecting		310	8×φ18	φ160	/	225.2		
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X141XE-80	216	G3	32	/	210.2		
	不锈钢法兰 SS Flange Type Connecting		310	8×φ18	φ160	/	210.2		
DN100	PPE+PA法兰 PPE+PA Flange Type Connecting	Q9X151XE-100	220	8×φ18	φ180	/	299.6	30	
	不锈钢法兰 SS Flange Type Connecting	Q9X141XE-100	305	8×φ18	φ180	/	299.6		
DN125	不锈钢法兰 SS Flange Type Connecting	Q9X141XE-125	356	8×φ18	φ210	/	284		
DN150	不锈钢法兰 SS Flange Type Connecting	Q9X141XE-150	394	8×φ18	φ240	/	325		
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	QQ9X451XE-20	130.5	φ25.4	22	88	164	5	220V
	PPR热熔 PPR Hot Melting Connecting		128.5	φ24	19	87	164		
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Thread Type Connecting	QQ9X451XE-25	126.5	G1	20	88	164	5	220V
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	86	164		
	PPR热熔 PPR Hot Melting Connecting		134.5	φ31	24	88	164		

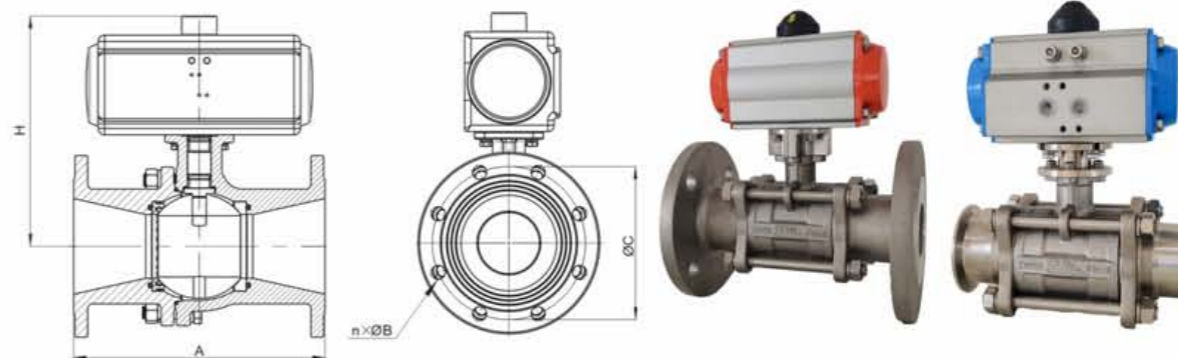
### 三线控制带位置反馈球阀 Three Wires Ball Valve with Position Feedback(AC)

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)					启闭时间/秒 Open-close Time(s)	输入电压 Input Voltage
			A	B	C	D	H		
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-25	172	G1	22	102.5	161.7	45	220V
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	103.5	161.7		
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-32	166	G1 1/4	22	99	161.7	45	220V
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	103.5	161.7		
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-40	182	G1 1/2	24	115.5	166.7	45	220V
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	122.5	166.7		
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q9X401XE-50	212	G2	25	130.5	197.2	25	220V
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	130.5	197.2		
DN65 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X451XE-65	283	φ75.4	43	171	202.5	15	220V
DN80 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q9X451XE-80	330.5	φ90.5	51	195	210.2	15	220V
DN25 T型三通 T Type Three-way	PPH热熔 PPH Hot Melting Connecting	Q9X551XE-25	216	φ31	31	121.5	166.8	45	220V
	不锈钢内螺纹 SS Female Thread Type Connecting	Q9X541XE-25	148	G1	20	74	166.8		
	不锈钢卡箍 SS Clamp Type Connecting		172	φ43.5	φ50.5	86	166.8		
DN32 T型三通 T Type Three-way	UPVC胶接 UPVC Glue Type Connecting	Q9X551XE-32	206	φ40.2	26	116.5	166.8	45	220V
	PPR热熔 PPR Hot Melting Connecting		215	φ39	31	116.5	166.8		

备注:塑料球阀阀体为PPO或UPVC材料,金属球阀阀体为316L不锈钢材质,采用浮动球直通结构;  
塑料阀体:工作温度0-60℃,工作压力0-1MPa,EPDM和FKM橡胶密封材质可选;  
金属阀体:工作温度0-120℃,工作压力0-1.6MPa,EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃;  
三通球阀阀体为PPO或UPVC材料,采用浮动球“L”或“T”形三通结构;

Remark: Plastic manual ball valve, the valve body material is PPO or UPVC; Metal manual ball valve, the valve body material is 316L stainless steel; Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃)  
The three-way ball valve material is PPO or UPVC, and it adopts the floating ball with L or T shape three-way structure.

### 气动球阀 Pneumatic Ball Valve



- 通过压缩空气驱动球阀启闭
- 启闭速度快(1-2s)
- 可配调速器调节启闭速度
- 可选单作用或双作用
- Opening and closing controlled by compressed air
- Rapid opening and closing(1-2s)
- Can be equipped with a speed controller to adjust the speed
- Can select single-acting or double-acting

### 气动球阀 Pneumatic Ball Valve

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN15	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-15	111	G1/2	14	116	1-2
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	116	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	116	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-15	89	G1/2	18	116	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-20	119	G3/4	16	116	1-2
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	116	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	116	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-20	89	G3/4	18	116	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	116	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	116	

气动球阀 Pneumatic Ball Valve							
公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-25	138	G1	20	126	1~2
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	126	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	126	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-25	99	G1	20	126	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	126	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	126	
DN32	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-32	167	G1 1/4	22	148	
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	148	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-32	120	G1 1/4	20	148	
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	148	
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	148	
DN40	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-40	182	G1 1/2	24	153	
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	153	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-40	128	G1 1/2	23	153	
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	153	
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	153	

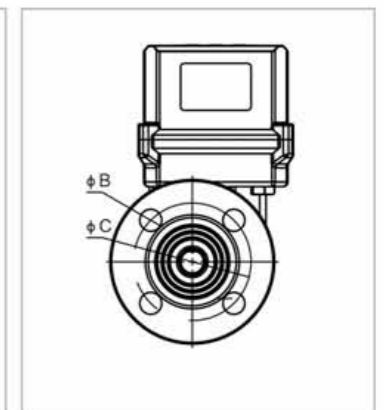
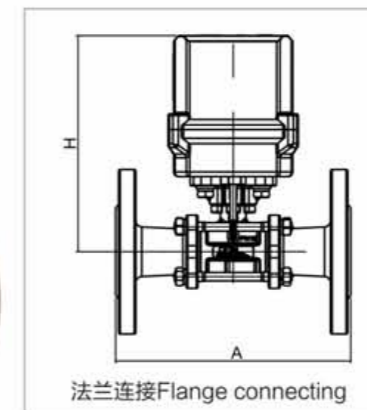
气动球阀 Pneumatic Ball Valve							
公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN50	PPO内螺纹 PPO Female Thread Type Connecting	Q6X151-50	212	G2	25	199.5	1~2
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	199.5	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-50	155	G2	26	199.5	
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	199.5	
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	199.5	
	DN65	UPVC胶接 UPVC Glue Type Connecting	Q6X151-65	283	φ75.4	43	
UPVC法兰 UPVC Flange Type Connecting		285		4×φ18	φ145	267	
不锈钢内螺纹 SS Female Thread Type Connecting		Q6X141-65	196	G2 1/2	29	257	
不锈钢法兰 SS Flange Type Connecting			290	4×φ18	φ145	257	
DN80	UPVC胶接 UPVC Glue Type Connecting	Q6X151-80	330.5	φ90.5	51	277	
	UPVC法兰 UPVC Flange Type Connecting		305	8×φ18	φ160	292	
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X141-80	216	G3	32	277	
不锈钢法兰 SS Flange Type Connecting	310		8×φ18	φ160	277		
DN100	PPE+PA法兰 PPE+PA Flange Type Connecting	Q641X1-100	280	8×φ18	φ180	329.5	
	不锈钢法兰 SS Flange Type Connecting	Q6X141-100	305	8×φ18	φ180	329.5	
DN125	不锈钢法兰 SS Flange Type Connecting	Q6X141-125	356	8×φ18	φ210	323	
DN150	不锈钢法兰 SS Flange Type Connecting	Q6X141-150	394	8×φ18	φ240	361.5	

气动球阀 Pneumatic Ball Valve							
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN200	不锈钢法兰 SS Flange Type Connecting	Q6X141-200	457	8×φ18	φ295	500	1~2
DN20 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q6X451-20	130.5	φ25.4	22	157.5	
	PPR热熔 PPR Hot Melting Connecting		128.5	φ24	19	157.5	
DN25 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	PPO内螺纹 PPO Female Thread Type Connecting	Q6X451-25	126.5	G1	20	157.5	
	UPVC胶接 UPVC Glue Type Connecting		130.5	φ32.2	22	157.5	
	PPR热熔 PPR Hot Melting Connecting		134.5	φ31	24	157.5	
DN25 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q6X401-25	172	G1	22	147	
	UPVC胶接 UPVC Glue Type Connecting		174	φ32.2	26	147	
DN32 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q6X401-32	166	G1 1/4	22	147	
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	147	
DN40 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q6X401-40	182	G1 1/2	24	168	
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	168	
DN50 L型三通 L Type Three-way	PPO内螺纹 PPO Female Thread Type Connecting	Q6X401-50	212	G2	25	202	
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	202	
DN65 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q6X451-65	283	φ75.4	43	250	
DN80 L型三通 UPVC阀体 L Type Three-way UPVC Valve Body	UPVC胶接 UPVC Glue Type Connecting	Q6X451-80	330.5	φ90.5	51	282	

气动球阀 Pneumatic Ball Valve							
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN25 T型三通 T Type Three-way	PPH热熔 PPH Hot Melting Connecting	Q6X551-25	216	φ31	31	205.5	1~2
	不锈钢内螺纹 SS Female Thread Type Connecting	Q6X541-25	148	G1	20	194	
	不锈钢卡箍 SS Clamp Type Connecting		172	φ43.5	φ50.5	194	
DN32 T型三通 T Type Three-way	UPVC胶接 UPVC Glue Type Connecting	Q6X551-32	206	40.2	26	205.5	
	PPR热熔 PPR Hot Melting Connecting		215	φ39	31	205.5	
印染阀 Ball valve for printing and dyeing	不锈钢卡箍 SS Clamp Type Connecting	RQ68541-25	135	φ43.5	φ50.5	203.5	

备注:塑料球阀阀体为UPVC材料,金属球阀阀体为不锈钢316L材质,采用浮动球直通结构;  
塑料阀体:工作温度0~60℃,工作压力0~1MPa, EPDM和FKM橡胶密封材质可选;  
金属阀体:工作温度0~120℃,工作压力0~1.6MPa, EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0~200℃;  
Remark: Plastic manual ball valve, the valve body material is UPVC; Metal manual ball valve, the valve body material is 316L stainless steel;  
Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0~60℃;Working pressure:0~1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0~120℃;Working pressure:0~1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃.

## 调节球阀 Electronic Ball Valve with Adjustable Angle



通过4~20mA电流调节阀门开度及流量,配合传感器实现温度、压力调节。

Ball valve opening degree and flow rate adjusted by 4-20mA electric current, cooperate with sensors to achieve temperature adjustment, pressure adjustment.

调节球阀 Electronic Ball Valve with Adjustable							
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN15	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-15	111	G1/2	14	131	10
	UPVC胶接 UPVC Glue Type Connecting		123	φ20.2	20	131	
	PPR热熔 PPR Hot Melting Connecting		121	φ19.2	19	131	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ911413-15	89	G1/2	18	131	
DN20	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-20	119	G3/4	16	131	
	UPVC胶接 UPVC Glue Type Connecting		123	φ25.2	20	131	
	PPR热熔 PPR Hot Melting Connecting		121	φ24	19	131	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ911413-20	89	G3/4	18	131	
	不锈钢卡箍 SS Clamp Type Connecting		102	φ43.5	φ50.5	131	
	不锈钢法兰 SS Flange Type Connecting		150	4×φ14	φ75	131	
DN25	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-25	138	G1	20	141	
	UPVC胶接 UPVC Glue Type Connecting		142	φ32.2	22	141	
	PPR热熔 PPR Hot Melting Connecting		146	φ31	24	141	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ911413-25	99	G1	20	141	
	不锈钢卡箍 SS Clamp Type Connecting		116	φ43.5	φ50.5	141	
	不锈钢法兰 SS Flange Type Connecting		160	4×φ14	φ85	141	

调节球阀 Electronic Ball Valve with Adjustable							
公称通径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN32	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-32	167	G1 1/4	22	163	10
	UPVC胶接 UPVC Glue Type Connecting		174	φ40.2	26	163	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ9X1413-32	120	G1 1/4	20	163	
	不锈钢卡箍 SS Clamp Type Connecting		136	φ43.5	φ50.5	163	
	不锈钢法兰 SS Flange Type Connecting		180	4×φ18	φ100	163	
DN40	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-40	182	G1 1/2	24	161	
	UPVC胶接 UPVC Glue Type Connecting		196	φ50.2	31	161	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ9X1413-40	128	G1 1/2	23	161	
	不锈钢卡箍 SS Clamp Type Connecting		160	φ56.5	φ64	161	
	不锈钢法兰 SS Flange Type Connecting		200	4×φ18	φ110	161	
DN50	PPO内螺纹 PPO Female Thread Type Connecting	VQ9X1513-50	212	G2	25	215.5	
	UPVC胶接 UPVC Glue Type Connecting		237	φ63.2	38	215.5	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ9X1413-50	155	G2	26	215.5	
	不锈钢卡箍 SS Clamp Type Connecting		190	φ70.5	φ77.5	215.5	
	不锈钢法兰 SS Flange Type Connecting		230	4×φ18	φ125	215.5	

## 调节球阀 Electronic Ball Valve with Adjustable

公称口径 DN	连接方式 Connecting Type	型号 Model	尺寸 Size(mm)				启闭时间/秒 Open-close Time(s)
			A	B	C	H	
DN65	UPVC胶接 UPVC Glue Type Connecting	VQ9X1513-65	283	φ75.4	44	273.7	10
	UPVC法兰 UPVC Flange Type Connecting		285	4×φ18	φ145	283.7	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ9X1413-65	196	G2 1/2	29	173.7	
	不锈钢法兰 SS Flange Type Connecting		290	4×φ18	φ145	173.7	
DN80	UPVC胶接 UPVC Glue Type Connecting	VQ9X1513-80	330.5	φ90.5	51	281.1	
	UPVC法兰 UPVC Flange Type Connecting		305	8×φ18	φ160	296.2	
	不锈钢内螺纹 SS Female Thread Type Connecting	VQ9X1413-80	216	G3	32	281.2	
	不锈钢法兰 SS Flange Type Connecting		310	8×φ18	φ160	281.2	

备注:塑料球阀阀体为UPVC材料,金属球阀阀体为不锈钢316L材质,采用浮动球直通结构;  
塑料阀体:工作温度0-60℃,工作压力0-1MPa, EPDM和FKM橡胶密封材质可选;  
金属阀体:工作温度0-120℃,工作压力0-1.6MPa, EPDM和FKM橡胶密封材质可选,其中FKM橡胶密封材质工作温度0-200℃;  
Remark: Plastic manual ball valve, the valve body material is UPVC; Metal manual ball valve, the valve body material is 316L stainless steel;  
Ball valve adopt the floating ball straight passway structure.  
Plastic ball valve :Working temperature: 0-60℃;Working pressure:0-1MPa; Sealing rubber material: EPDM, FKM optional  
Metal ball valve :Working temperature: 0-120℃;Working pressure:0-1.6MPa; Sealing rubber material: EPDM, FKM optional (FKM working temperature can reach 0-200℃.

## 脉冲电动球阀 Pulse Electronic Ball Valve

- 收到正向脉冲信号, 球阀打开; 收到反向脉冲信号, 球阀关闭
- 待机电流:  $\leq 10 \mu A$
- 结合物联网4G控制器, 可LORA无线组网, 远距离无线通讯, 可通过PC/手机APP远程监控, 可自编程实现各组阀门顺序启闭

- The ball valve will be opened when receiving the positive pulse signal and will be closed when receiving the negative pulse signal
- Power consumption in standby mode:  $\leq 10 \mu A$
- Combined with the 4G controller of the IoT to realize long-distance wireless communication through LORA wireless networking, it can be remotely monitored by PC / mobile APP and can be programmed to realize the sequential opening and closing of each valve.



DN15-DN80

## 脉冲先导气/液动球阀 Pulse Pilot Pneumatic/hydraulic Ball Valve

- 由脉冲电动换向阀的切换换向控制液压执行器来驱动球阀的开关
- 收到正向脉冲信号, 电动换向阀改变液压执行器活塞两侧进排液方向驱动开启球阀
- 收到反向脉冲信号, 电动换向阀改变液压执行器活塞两侧进排液方向驱动关闭球阀
- 待机电流:  $\leq 10 \mu A$
- 脉冲电动换向阀启闭耗电: 0.0014WH/次
- 结合物联网4G控制器, 可LORA无线组网, 远距离无线通讯, 可通过PC/手机APP远程监控, 可自编程实现各组阀门顺序启闭

- Reversing the pulse electronic reversing valve to control the hydraulic actuator to drive the ball valve switch
- After receiving the positive pulse signal, the electronic reversing valve changes the inlet and outlet directions of both sides of the hydraulic actuator to drive the ball valve to open
- After receiving the negative pulse signal, the electronic reversing valve changes the inlet and outlet directions of both sides of the hydraulic actuator to drive the ball valve to close
- Power consumption in standby mode:  $\leq 10 \mu A$
- Power consumption for opening and closing of pulse electronic reversing valve: 0.0014WH/ time
- Combined with the 4G controller of the IoT to realize long-distance wireless communication through LORA wireless networking, it can be remotely monitored by PC/ mobile APP and can be programmed to realize the sequential opening and closing of each valve.



DN15-DN150

## 印染用球阀

Ball Valve for Printing And Dyeing



DN32

- T型三通结构
- 耐冰醋酸、甲酸、双氧水、氢氧化钠等腐蚀性介质
- PTFE密封圈
- 阀杆动密封采用多重密封防护泄漏

- T type three-way structure
- Resistant to corrosive media such as acetic acid, formic acid, hydrogen peroxide, sodium hydroxide, etc.,
- PTFE sealing ring
- The valve stem dynamic seal adopts multiple seals to prevent leakage

## 锂电池用球阀

Ball Valve for Lithium Battery



DN15-DN200

- 不含铜、锌元素
- 适用于锂电池等相关行业
- 阀芯和密封面材质为氧化铝和碳化硅陶瓷

- Does not contain copper or zinc elements
- Suitable for lithium batteries and other related industries
- Valve core and sealing surface material is Alumina or silicon carbide ceramics

## F109球阀控制阀 (过滤/软化/浮动床/混床系统)

F109 Ball Valve Controller (Filter & Softener & Floating Bed & Mixed Bed Water Treatment Systems)



过滤控制系统  
Filter control system



软化控制系统  
Softener control system



混床控制系统  
Mixed bed control system



型号: 46030(F109)  
Model 46040(F109B)

### 产品特点 Product Characteristics

- 可与润景DN15~DN100的电动球阀配套使用;
- 配套用的陶瓷芯电动球阀, 流阻小、耐腐蚀、抗水垢抗杂质、耐久用;
- LCD显示界面。
- It can be used together with Runjing electronic ball valve from DN15 to DN100.
- The matched ceramic ball valve has the advantage of small flow resistance, good corrosion resistance, good wear resistance and long lifetime.
- LCD display.

### 应用范围 Range of Application

用于配套润景二线控制电动陶瓷芯球阀构成过滤或软化或混床除盐水处理系统。

Ball valve controller is matched with Runjing two wires electronic ball valve to be filter & softener or mixed bed demineralized water treatment systems

型号 Model	电源适配器输入 Transformer Input	电源适配器输出 Transformer Output	环境温度 (°C) Environment Temperature(°C)	用途 Application
46030(F109)	AC100-240V 50-60Hz	DC24V/4A	5-50°C	过滤&软化 Filter& Softener
46040(F109B)		DC24V/1.5A		混床 Mixed Bed

### 系统配置 System Configuration

#### 1、过滤系统配置参考表 Filter System Configuration Table

流量 Flow Rate	5m <sup>3</sup> /h		流量 Flow Rate	10m <sup>3</sup> /h	
	配置 Configuration	型号 Model		数量 Quantity	配置 Configuration
球阀控制器 Ball Valve Controller	F109	1	球阀控制器 Ball Valve Controller	F109	1
DN25胶粘球阀 DN25 Ball Valve	QQ9X151X-25	5	DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	5

流量 Flow Rate	15m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN40胶粘球阀 DN40 Ball Valve	Q9X151X-40	5

流量 Flow Rate	25m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN50胶粘球阀 DN50 Ball Valve	Q9X1513-50	5

流量 Flow Rate	35m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN65胶粘球阀 DN65 Ball Valve	Q9X1513-65	5

流量 Flow Rate	65m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN80胶粘球阀 DN80 Ball Valve	Q9X1513-80	5

流量 Flow Rate	150m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN100法兰球阀 DN100 Ball Valve	Q741X1-100	5

流量 Flow Rate	65m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN65胶粘球阀 DN65 Ball Valve	Q9X1513-65	5
DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	2

流量 Flow Rate	120m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN80胶粘球阀 DN80 Ball Valve	Q9X1513-80	5
DN40胶粘球阀 DN40 Ball Valve	Q9X151X-40	2

流量 Flow Rate	300m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN100法兰球阀 DN100 Ball Valve	Q741X1-100	5
DN50胶粘球阀 DN50 Ball Valve	Q9X1513-50	2

2、软化系统配置参考表 Softener System Configuration Table

流量 Flow Rate	5m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN25胶粘球阀 DN25 Ball Valve	QQ9X151X-25	5
DN15胶粘球阀 DN15 Ball Valve	QQ9X151X-15	2

流量 Flow Rate	15m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	5
DN15胶粘球阀 DN15 Ball Valve	QQ9X151X-15	2

流量 Flow Rate	25m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN40胶粘球阀 DN40 Ball Valve	Q93151X-40	5
DN20胶粘球阀 DN20 Ball Valve	QQ9X151X-20	2

流量 Flow Rate	35m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109	1
DN50胶粘球阀 DN50 Ball Valve	Q9X1513-50	5
DN25胶粘球阀 DN25 Ball Valve	QQ9X151X-25	2

3、混床系统配置参考表 Mixed Bed System Configuration Table

流量 Flow Rate	10m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109B	1
DN25胶粘球阀 DN25 Ball Valve	QQ9X151X-25	5
DN20胶粘球阀 DN20 Ball Valve	QQ9X151X-20	8

流量 Flow Rate	20m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109B	1
DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	5
DN25胶粘球阀 DN25 Ball Valve	QQ9X151X-25	8

流量 Flow Rate	30m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109B	1
DN40胶粘球阀 DN40 Ball Valve	Q9X151X-40	5
DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	8

流量 Flow Rate	45m <sup>3</sup> /h	
配置 Configuration	型号 Model	数量 Quantity
球阀控制器 Ball Valve Controller	F109B	1
DN50胶粘球阀 DN50 Ball Valve	Q9X1513-50	5
DN32胶粘球阀 DN32 Ball Valve	Q9X151X-32	8

润景陶瓷硬密封球阀与常见介质的适配表

Configuration table of Runxin ceramic ball valve wetted part material and media

配置类别 Configuration type	阀体 Valve body material	密封圈 Sealing ring material	阀杆 Valve shaft material	阀座 Valve core seat	适用介质 Suited media
标配A Standard A	PPO	EPDM	316L	单陶瓷片 Single ceramic seat	适用于不含固体颗粒的非腐蚀性介质和酸碱类、盐类、醇类、海水等化学物质。不适用于氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、芳香烃、氯化烃、有机酸、酮类、汽油、合成润滑油等。 Be suited in application with non-corrosive media without solid particles and chemicals such as acids and alkalines, salt, alcohols, seawater, etc. Be NOT suited in application with oxidizing acid, strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, aromatic hydrocarbon, chlorinated hydrocarbon, organic acid, ketone, petrol, synthetic lubricating oil, etc.
标配B Standard B	UPVC				适用于不含固体颗粒的非腐蚀性介质和酸碱类、盐类、醇类、极性溶剂等化学物质。不适用于氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、汽油、合成润滑油等。 Be suited in application with non-corrosive media without solid particles and chemicals such as acids or alkalines, salt, alcohols, polar solvents, etc. Be NOT suited in application with oxidizing acid, strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, petrol, synthetic lubricating oil, etc.
标配C Standard C	316L				适用于非腐蚀性介质和酸碱类、盐类、醇类、海水等化学物质。不适用于除硝酸外的氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、酮类、汽油、合成润滑油等。 Be suited in application with non-corrosive media and chemicals such as acids and alkalines, salt, alcohols, seawater, etc. Be NOT suited in application with oxidizing acid (except nitric acid), strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, ketone, petrol, synthetic lubricating oil, etc.
非标配置A Non-standard A	PPO	EPDM	316L	双陶瓷片 Double ceramic seats	适用于非腐蚀性介质和酸碱类、盐类、醇类、海水等化学物质。不适用于除硝酸外的氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、酮类、汽油、合成润滑油等。 Be suited in application with non-corrosive media and chemicals such as acids and alkalines, salt, alcohols, seawater, etc. Be NOT suited in application with oxidizing acid (except nitric acid), strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, ketone, petrol, synthetic lubricating oil, etc.
非标配置B Non-standard B	UPVC	EPDM	316L	双陶瓷片 Double ceramic seats	适用于非腐蚀性介质和酸碱类、盐类、醇类、极性溶剂等化学物质。不适用于除硝酸外的氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、汽油、合成润滑油等。 Be suited in application with non-corrosive media and chemicals such as acids or alkalines, salt, alcohols, polar solvents, etc. Be NOT suited in application with oxidizing acid (except nitric acid), strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, ketone, petrol, synthetic lubricating oil, etc.
非标配置C Non-standard C	316L	EPDM	316L	双陶瓷片 Double ceramic seats	适用于非腐蚀性介质和酸碱类、盐类、醇类、极性溶剂等化学物质。不适用于除硝酸外的氧化性酸、强碱、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、汽油、合成润滑油等。 Be suited in application with non-corrosive media and chemicals such as acids or alkalines, salt, alcohols, polar solvents, etc. Be NOT suited in application with oxidizing acid (except nitric acid), strong alkaline, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, petrol, synthetic lubricating oil, etc.
非标配置D Non-standard D	PPO UPVC 316L	EPDM	316L	双陶瓷片 Double ceramic seats	仅建议适用于非腐蚀性介质和有机酸。 Suggest only be suited in application with non-corrosive media and organic acid.
非标配置E Non-standard E	PPO UPVC	FKM	哈C合金 Hastelloy C alloy	双陶瓷片 Double ceramic seats	仅建议适用于除硫酸、硝酸外的氧化性酸、过氧化氢和含铝盐、铁盐在内的大部分硫酸盐、盐酸盐、氧化性酸盐。 Suggest only be suited in application with oxidizing acid (except sulfuric acid and nitric acid), hydrogen peroxide, and most of the sulfates, hydrochloride, and oxidized salt of aluminum salt and ferric salt.
非标配置F Non-standard F	PPO UPVC	FKM	哈B合金/ 20号合金 Hastelloy B alloy/ No. 20 alloy	双陶瓷片 Double ceramic seats	仅建议适用于各种浓度硫酸、盐酸和除铝盐、铁盐之外的大部分硫酸盐、盐酸盐。 Suggest only be suited in application with various concentrations of sulfuric acid, hydrochloric acid and most of the sulfates and hydrochlorides except aluminum salt and ferric salt.
注：上述阀杆均可采用衬PPO不锈钢304阀杆代替 Remark: The above ball valves' shaft could use Stainless Steel 304 covered by PPO.					

润景碳化硅球阀与常见介质的适配表

Configuration table of Silicon carbide valve core wetted part material and media

配置类别 Configuration type	阀体 Valve body material	密封圈 Sealing ring material	阀杆 Valve shaft material	阀座 Valve core seat	适用介质 Suited media
标配A Standard A	PPO	四丙氟 FEPM	衬PPO 不锈钢 304阀杆	双陶瓷片	适用于非腐蚀性介质、酸碱类、盐类、醇类。 Be suited in application with non-corrosive media, acids and alkalines, salt and alcohols. 不适用于芳香烃、氯化烃、油、酮、酯、醚、高锰酸盐。 Be NOT suited in application with aromatic hydrocarbon, chlorinated hydrocarbon, oil, ketone, ester, ether and permanganate.
标配B Standard B	UPVC	FEPM	Stainless Steel 304 covered by PPO	Double ceramic seats	适用于非腐蚀性介质、酸碱类、盐类、醇类、脂肪烃油。 Be suited in application with non-corrosive media, acids and alkalines, salt, alcohols, aliphatic hydrocarbon and oil. 不适用于酮、酯、醚、芳香烃、高锰酸盐。 Be NOT suited in application with ketone, ester, ether, aromatic hydrocarbon and permanganate.
标配C Standard C	316L	EPDM	衬PPO 不锈钢 304阀杆 Stainless Steel 304 covered by PPO	双陶瓷片	适用于非腐蚀性介质和酸碱类、盐类、醇类、极性溶剂等化学物质。不适用于氧化性酸、氢氟酸、氟硅酸、盐酸、硫酸铁、硫酸铵、盐酸盐、溴、次氯酸盐、有机酸、汽油、合成润滑油等。 Be suited in application with non-corrosive media and chemicals such as acids and alkalines, salt, alcohols, polar solvents, etc. Be NOT suited in application with oxidizing acid, hydrofluoric acid, fluorosilicic acid, hydrochloric acid, ferric sulfate, ammonium sulfate, hydrochloride, bromine, hypochlorite, organic acid, petrol, synthetic lubricating oil, etc.

注：1、目前DN15/20电动球阀衬PPO不锈钢304阀杆在试验阶段（开关寿命已达4万多次），衬PPO不锈钢304适用于工作温度低于80℃的介质，工作温度80-200℃的阀杆采用衬PFA不锈钢304阀杆。  
2、今后可能主要采用衬PPO不锈钢304和衬PFA不锈钢304两种阀杆，DN15/20试验成功后，其他规格球阀开始做模具。

Remark:

- Currently, we are testing DN15/20 electronic ball valve shaft material with Stainless Steel 304 covered by PPO (opening and closing times have been more than 40 thousand times). The valve shaft material with Stainless Steel 304 covered by PPO is suited using in media working temperature lower than 80℃. If working temperature is 80-200℃, we suggest to use valve shaft material with Stainless Steel 304 covered by PFA.
- We may use valve shaft material with Stainless Steel 304 covered by PPO or PFA in future. If the testing for DN15/20 is successful, we will make new moulds for other sizes of ball valves.

## 润景陶瓷硬密封球阀实况性能测试

Durability performance test of Runjing ceramic ball valve

- 陕西东雷抽黄灌溉工程  
Shaanxi Donglei Yellow River Irrigation Project



含沙量9kg/m<sup>3</sup>  
Sand content of 9kg/m<sup>3</sup>

- 山东聊城市位山灌区阳谷县排灌中心  
Weishan Irrigation District Yanggu County Pumping Center, Liaocheng City, Shandong Province



含沙量13kg/m<sup>3</sup>  
Sand content of 13kg/m<sup>3</sup>

- 新疆吐鲁番市水科所灌溉试验站  
The Irrigation Experimental Station of The Water Science Institute in Turpan, Xinjiang



地表温度80°C  
Surface temperature 80°C

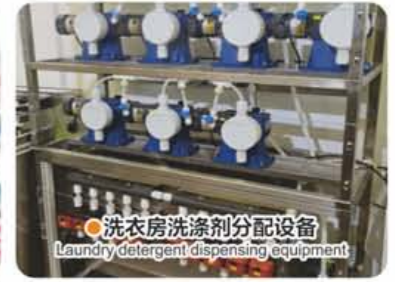
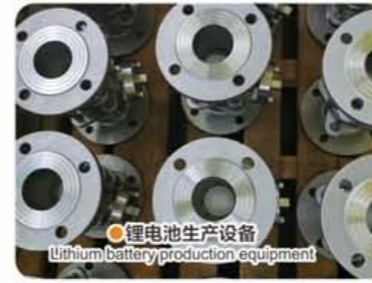
- 黑龙江绥化市庆安国家灌溉试验站  
Qing'an National Irrigation Test Station, Suihua City, Heilongjiang Province



极端低温-40°C  
Extreme low temperature -40°C

## 应用案例 Application Cases

- 污废水处理 Sewage treatment



- 水处理 Water treatment



● 润景球阀在智能灌溉上的应用  
Application of Runjing Ball Valve in Intelligent Irrigation

农业灌溉 Agricultural Irrigation



温州市七都未来都市农业公园 (150多亩)  
Wenzhou Qidu Future Urban Agriculture Park (more than 100,000m<sup>2</sup>)



泉州永春淳湖芦柑种植园  
Quanzhou Yongchun Chunhu Orange Plantation



温州市农业科学研究院  
Wenzhou Agricultural Science Research Institute



湖北荆州丰泽园生态农业园  
Hubei Jingzhou Fengzeyuan Ecological Agricultural Park



温州市三垟湿地精品瓯柑种植园  
Ou Citrus Orchard in Sanyang Wetland, Wenzhou



新疆库尔勒天赛酒庄葡萄种植园  
Tiansei Winery Vineyard in Korla, Xinjiang



新疆乌鲁木齐农业科技中心  
Xinjiang Urumqi Agricultural Science and Technology Center



乌鲁木齐昌吉红星五队  
Hongxing Fifth Team, Changji, Urumqi



石河子农八师145团3连  
3<sup>rd</sup> Company, 145<sup>th</sup> Regiment, 8<sup>th</sup> Division, XPCC, Shihezi



喀什麦盖提县库尔玛乡恰斯村  
Qias Village, Kurma Township, Markit County, Kashgar Prefecture

高尔夫球场灌溉 Golf Course Irrigation



温州仰义东方高尔夫球场 (泄压阀)  
Wenzhou Yangyi Dongfang Golf Course (pressure relief valve)



温州东方高尔夫球场  
Wenzhou Dongfang Golf Course

润景智能灌溉小屋 Intelligent Irrigation House



温州市三垟湿地精品瓯柑园  
Ou citrus orchard in Sanyang Wetland, Wenzhou



温州润新公司  
Wenzhou Runxin

园林绿化浇灌 Landscape Irrigation



温州市鹿城区府  
Lucheng District, Wenzhou



温州市马鞍池公园  
Ma'anchi Park, Wenzhou



河北石家庄天汇碧桂园住宅区  
Country Garden Tianhui Residential Area, Shijiazhuang, Hebei province



内蒙古赤峰翰林华府  
Hanlin Huafu Residential Area, Chifeng, Inner Mongolia