

2026版润景陶瓷硬密封球阀产品图谱

Runjing Ceramic Hard Sealing Ball Valve Classification(2026 Version)



润景陶瓷硬密封球阀的核心部件阀芯与阀座采用刚玉陶瓷或碳化硅材料，经1680℃或2200℃超高温烧结而成，洛氏硬度HRA≥85，同时具有硬密封、轻扭矩、耐腐蚀、耐磨损、耐久用等特点，适用于盐酸、硫酸、氢氧化钠、海水、工业废水等多种酸、碱流体介质，广泛应用于海水淡化、光伏、造纸、印染、电镀、冶炼、化工、锂电池生产、生物提纯及污水处理等行业，出口全球30多个国家和地区。

Runjing ceramic hard sealing ball valve core components (valve core and valve seat) are made of corundum ceramic or silicon carbide, which are sintered at 1680℃ or 2200℃ ultra-high temperature, and the Rockwell hardness HRA can reach 85 or more. It has the characteristics of hard sealing, low torque, corrosion resistance, wear resistance, durability, and so on. The product is suitable for various acids, alkalis and special media such as hydrochloric acid, sulfuric acid, sodium hydroxide, seawater, industrial wastewater, etc. It is widely used in seawater desalination, photovoltaic, papermaking, printing and dyeing, electroplating, smelting, chemical industry, lithium battery production, biological purification and sewage treatment industries. Runjing ceramic hard sealing ball valve has been exported to more than 30 countries and regions around the world.

Runjing Ceramic Hard Sealing Ball Valve Classification(2026 Version)
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按阀体材料分 Classified by valve body material

半衬陶瓷 With half-lined ceramic

- 塑料阀体
Plastic valve body
- 金属阀体
Metal valve body

PPO
UPVC
CPVC

WCB
316L

全衬陶瓷 With fully-lined ceramic

金属阀体衬陶瓷
Metal valve body with ceramic lining

按球芯材质分 Classified by ball core materials

95氧化铝：普通耐腐蚀、低压 95 alumina: Ordinary corrosion resistance, suitable for low pressure

碳化硅：强耐腐蚀、耐高低温、中压 Silicon carbide: Strong corrosion resistance, high and low temperature resistance, suitable for medium pressure

氧化锆：耐高温、耐腐蚀、高断裂韧性 Zirconia: High temperature resistance, corrosion resistance, high fracture toughness

按连接方式分 Classified by connection way

螺纹连接 Thread

胶粘连接 Glue

热熔连接 Hot melting

对焊连接 Weld

法兰连接 Flange

卡箍连接 Clamp

按流道分 Classified by ball valve structure

直通 Straight passway

V型 V type
O型 O type

三通 Three-way passway

L型 L type
T型 T type

按控制方式分 Classified by operation way

电动 Electronic

DC24V两线控制 DC24V two-wire controlling

手动带反馈 With manual and position feedback function
带反馈 With feedback function

DC24V三线控制 DC24V three-wire controlling

手动带反馈 With manual and position feedback function
带反馈 With feedback function

AC220V三线控制 AC220 three-wire controlling

手动带反馈 With manual and position feedback function
带反馈 With feedback function

定时启闭（时长、时间点控制） Timing control (duration time or point-in-time)

断电复位（三线控制） Power reset (three-wire controlling)

脉冲电动球阀 Pulse electronic ball valve

配GB/T 12223标准执行器 Equipped with GB/T12223 standard actuator

气动 Pneumatic

配GB/T 12223标准执行器 Equipped with GB/T12223 standard actuator

脉冲先导气/液动球阀 Pulse pilot pneumatic/hydraulic ball valve

配GB/T 12223标准执行器 Equipped with GB/T12223 standard actuator

调节型 Adjustable type

手动 Manual

按其它配件分 Other Accessories

F109球阀控制器 F109 ball valve controller

按阀体材料分 Classified by valve body material

PPO

- 工作温度0~60℃
- 工作压力0~1.0MPa
- Working temperature 0-60℃
- Working pressure 0-1.0MPa

UPVC

- 工作温度0~60℃
- 工作压力0~1.0MPa
- Working temperature 0-60℃
- Working pressure 0-1.0MPa

316L

- 工作温度0~100℃（可定制250℃）
- 工作压力0~1.6MPa
- Working temperature 0-100℃（It can be customized to 250℃）
- Working pressure 0-1.6MPa

按球芯材质分 Classified by ball core materials

95氧化铝

- 陶瓷球芯经1680℃超高温烧结而成；
- 采用刚玉陶瓷，Al₂O₃含量≥95%；
- 陶瓷球硬度>HRA85；
- 耐腐蚀性：耐耐强酸、弱碱、无机盐等的腐蚀；
- The ceramic ball core is sintered at 1680℃
- Adopt corundum ceramic, Al₂O₃ content ≥95%.
- Ceramic ball hardness >HRA85.
- Acid and alkali resistance: can be resistant to corrosion by strong/weak acid, weak alkali, inorganic salt, etc.

碳化硅

- 重量轻、高硬度、耐磨损，碳化硅球芯经2200℃以上超高温烧结而成，硬度>HRA90
- 耐高温，在1500℃的高温环境下也不会反应
- 化学稳定性好，耐强酸强碱性腐蚀
- 具有优异的导热性，热膨胀率低
- 低摩擦系数
- Light weight, high hardness, good wear resistance. The silicon carbide core is sintered at an ultra-high temperature above 2200℃, and its hardness is >HRA90.
- High temperature resistance, it will not react under the high temperature of 1500℃.
- Good chemical stability, excellent acid and alkali resistance.
- Has excellent thermal conductivity.
- Low friction coefficient.

按连接方式分 Classified by connection way

螺纹连接 Thread

- 塑料阀体双由令连接方式，方便拆卸
- 不锈钢阀体均为三片式结构，连接方式为卡箍
- The plastic valve body adopts double union connection, which is easy to disassemble.
- The stainless steel valve body is three-piece structure, and the connection method is female thread.

胶粘连接 Glue

- 塑料阀体双由令连接方式，方便拆卸
- 连接方式为UPVC胶粘
- The plastic valve body adopts double union connection, which is easy to disassemble.
- The connection method is UPVC glue.

热熔连接 Hot melting

- 塑料阀体均为双由令连接方式，方便拆卸
- 连接方式为PPR热熔
- The plastic valve body adopts double union connection, which is easy to disassemble.
- The connection method is PPR hot melting.

法兰连接 Flange

- 不锈钢阀体连接方式为法兰连接
- 适用于压力、密封等要求高的场合
- The stainless steel valve body is flange connection.
- Suitable for occasions with high requirements on pressure and sealing.

卡箍连接 Clamp

- 不锈钢阀体连接方式为卡箍
- 便于安装拆卸和占用空间小
- The stainless steel valve body is clamp connection.
- Easy to install and disassemble, occupy small space.

按流道分 Classified by ball valve structure

直通V型 Straight passway V type

- 直通V型调节球阀
- 近似等百分比流量特性
- 适用于流量、压力、温度调节
- V type adjustable ball valve with straight passway
- Approximate equal percentage flow characteristics.
- Suitable for flow, pressure, temperature adjustment.

直通O型 Straight passway O type

- 直通O型球阀
- 流体阻力小，结构简单
- O type ball valve with straight passway
- Low fluid resistance and simple structure.

三通L型 Three-way passway L type

- 采用浮动球型三通结构
- Adopt floating ball L type three-way structure.

三通T型 Three-way passway T type

- 采用浮动球型三通结构
- 四种流向型式可选
- Adopt floating ball T type three-way structure.
- Four flow directions are optional.

按控制方式分 Classified by operation way

电动 Electronic

- 通过交流电源正负反馈控制
- 为两芯线
- 控制线为两芯线
- By changing the positive and negative poles of the power supply to control the opening and closing of the ball valve.
- The control line is two-core wire.

DC24V两线控制 DC24V Two-wire controlling

- 接线为五芯线，电源控制线为两芯线
- 反馈信号线为三芯线
- 球阀全开或全闭后输出无源信号
- It has five wires, two wires for controlling.
- After the ball valve is fully open or fully closed, it outputs a passive signal.

DC24V三线控制带反馈 DC24V Three-wire controlling with position feedback function

- 接线为六芯线，电源控制线为三芯线
- 反馈信号线为三芯线
- 球阀全开或全闭后输出无源信号
- It has six wires, three wires for controlling, and three wires for feedback.
- After the ball valve is fully open or fully closed, it outputs a passive signal.

AC220V三线控制带反馈 AC220V Three-wire controlling with position feedback function

- 接线为六芯线，电源控制线为三芯线
- 反馈信号线为三芯线
- 球阀全开或全闭后输出无源信号
- It has six wires, three wires for controlling, and three wires for feedback.
- After the ball valve is fully open or fully closed, it outputs a passive signal.

时间点 Point-in-time

- 可设定星期一~星期日每天开关的次数和对应的时点
- 每天最多可设定5组开关时间
- 以一个星期7天为循环
- It can set the number of times of open and close every day from Monday to Sunday and the corresponding time point.
- Up to 5 groups of open and close times can be set per day.
- A cycle of 7 days (one week).

时间段 Duration time

- C-01：小时分钟模式，设置开启和关闭时间范围1分钟~999小时59分钟
- C-02：分钟秒模式，设置开启和关闭时间范围1秒~999分钟59秒
- C-01: hour-minute mode, set the open and close time range from 1 minute to 999 hours and 59 minutes.
- C-02: minute-second mode, set the open and close time range from 15 seconds to 999 minutes and 59 seconds.

断电复位 Power reset (three-wire controlling)

- 控制线为三芯线，两线控制
- 正常工作时，法拉电容充电待用
- 外部断电时，电容放电控制阀位
- The control wire is three-core wire, the same as the three-wire controlling.
- When working normally, the super capacitor is charged for use.
- When the external power is off, the capacitor discharges to reset the ball valve.

气驱 Pneumatic (flange)

- 塑料阀体双由令连接方式，方便拆卸
- 不锈钢阀体均为三片式结构，连接方式为卡箍
- 启闭速度快
- The plastic valve body adopts double union connection, which is easy to disassemble.
- The stainless steel valve body is three-piece structure, and the connection method is female thread.
- Fast opening and closing speed.

气驱 Pneumatic (flange)

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- The stainless steel valve body is three-piece structure, and the connection method is female thread.
- Fast opening and closing speed.

脉冲电动 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
- 适用于压力、密封等要求高的场合
- 启闭速度快
- The stainless steel valve body is flange connection.
- Suitable for occasions with high requirements on pressure and sealing.
- Fast opening and closing speed.

按其它配件分 Other Accessories

F109球阀控制器 F109 ball valve controller

过滤器 Filter

软化浮动床 Softener & Floating Bed

混床 Mixed Bed

- 扩展接口丰富，操作简便
- 显示界面和阀门一致
- 可远程控制以及互锁
- 可根据需要做流量和时间型
- It has various expansion ports, the operation is simple.
- The display interface is the same as the Runjing valve.
- It can be remotely controlled and interlocked.
- It has various expansion ports, the operation is simple.
- The display interface is the same as the Runjing valve.
- It can be remotely controlled and interlocked.
- The meter type and time type can be chosen according to the needs.

测控一体阀 RJ-ZG12L Integrated valve combined with metering and controlling

- 陶瓷硬密封结构
- 智能检测阀门状态
- 低功耗 光伏充电
- LORA无线通信 (3km)
- Ceramic hard sealing structure
- Intelligent detection of valve status
- Low power consumption, solar charging
- LORA wireless networking (3km)

陶瓷硬密封脉冲电动球阀 Ceramic hard sealing pulse electronic ball valve

- 接收正向脉冲信号，球阀打开；收到反向脉冲信号，球阀关闭
- 接收正向脉冲信号，球阀打开；收到反向脉冲信号，球阀关闭
- 接收正向脉冲信号，球阀打开；收到反向脉冲信号，球阀关闭
- 接收正向脉冲信号，球阀打开；收到反向脉冲信号，球阀关闭

印染专用球阀 Ball valve for printing and dyeing

- 特殊陶瓷密封结构
- 耐腐蚀性强，耐酸、碱、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
- Special ceramic hard sealing structure
- Resistant to corrosive media such as acidic acid, hydrogen peroxide, sodium hydroxide, etc.,
- PTFE sealing ring
- T type three-way ball valve for printing and dyeing

2026