2024版 润景陶瓷硬密封球阀



产品图谱

Runjing Ceramic Hard Sealing Ball Valve Classification (2024 Version)





出口全球30多个国家和地区

Ceramic ball valve has been exported to more than 30 countries and regions in the world.





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2024版润景陶瓷硬密封球阀产品图谱

Runjing Ceramic Hard Sealing Ball Valve Classification (2024 Version)



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。

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 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.



制作:市场部

审核:技术总监 / 2 5 / 2

按阀体材料分 Classified by valve body material



DN25-DN50

- ◎工作温度0-60℃

OWorking pressure 0-1.0MPa.

- ◎工作压力0-1.0MPa
- ◎工作温度0-60℃

DN15-DN80

- ◎工作压力0-1.0MPa
- ○ Working pressure 0-1.0MPa.



DN15-DN200

- ◎工作温度0-100℃
 - (可定做250℃) ◎工作压力0-1.6MPa
 - Working temperature 0-100°C (It can be customized to 250°C). ○ Working pressure 0-1.6MPa.

按球芯材质分 Classified by ball core materials



DN15-DN150

- ◎陶瓷球芯经1680℃超高温烧结而成;
- ◎采用刚玉陶瓷, AL。O。含量≥95%; ◎陶瓷球硬度≥HRA85;
- ◎耐酸碱性:能耐强/弱酸、弱碱、无机盐等 的腐蚀:
- ○The ceramic ball core is sintered at 1680°C. Adopt corundum ceramics. Al-O₂ content ≥95%.
- © Ceramic ball hardness ≥ HRA85.
- OAcid and alkali resistance: can be resistant to corrosion by strong/weak acid, weak alkali, inorganic salt, etc.



DN15-DN80

- ◎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,耐酸碱腐蚀性优良
- ◎具有优异的导热性,热膨胀性低
- ◎低摩擦系数
- OLight weight, high hardness, good wear resistance. The silicon carbide core is sintered at an ultra-high temperature above 2200°C, and its hardness is ≥HRA90.
- O 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.
- OLow friction coefficient.

按连接方式分 Classified by connection way



- ◎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, 连接方式为内螺纹
- 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.



DN15-DN80

- ◎塑料阀体双由令连接方式,方便 ◎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

按连接方式分 Classified by connection way



DN15-DN25

- 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
- double union connection, which is easy to disassemble.
- hot melting.



DN20-DN200

- ◎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.
- O Suitable for occasions with high requirements on pressure and sealing.



DN20-DN50

- ○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



DN25-DN100

- ○直通V型调节球阀
- ○近似等百分比流量特性
- straight passway.
- Approximate equal percentage flow characteristics.
- O Suitable for flow, pressure, temperature adjustment.

DN20-DN200

◎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

The stainless steel valve body is

flange connection.

Suitable for occasions with high

requirements on pressure and

- The plastic valve body adopts
- The connection method is PPR



- ◎适用于流量、压力、温度调节
- OV type adjustable ball valve with
 - - and closing of the ball valve.

hree-way passway-L type

- ◎采用浮动球L型三通结构
- O Adopt floating ball L type threeway structure.



◎四种流向型式可选

结构

Adopt floating ball T type

hree-way passway-L type

three-way structure. Four flow directions are optional.

按控制方式分 Classified by operation way

按流道分 Classified by ball valve structure

Straight passway-O type

DN15-DN100

O type ball valve with straight

◎直通O型球阀

passwav

◎流体阻力小,结构简单

OLow fluid resistance and

simple structure.



DC24V两线控制 DC24V Two-wire contro DN15-DN80

- ◎通过改变电源正负极来控制 球阀启闭
- ◎控制线为两芯线
- By changing the positive and negative poles of the power supply to control the opening
- The control line is two-core wire.



DC24V两线控制带反馈 DC24V Two-wire controlling with position feedback function DN15-DN80

- 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
- OIt has five wires, two wires for
- controlling.
- Three wires for feedback
- OAfter the ball valve is fully open or fully closed, it outputs a passive signal.



DC24V三线控制 DC24V Three-wire controlling DN15-DN50

- ○控制线为三芯线
- ◎红色线与黑色线相通时球阀开启 ◎绿色线与黑色线相通时球阀关闭
- The controlling wire is three-core wire. ○ The ball valve opens when the red
- wire and black wire are connected. ○ The ball valve closes when the green
- wire and black wire are connected.

按控制方式分 Classified by operation way



DC24V三线控制带反馈 DC24V Three-wire controlling and ition feedback function DN15-DN25

- ◎接线为六芯线,电源控制线 为三芯线,反馈信号为三芯线 ◎球阀全开或全闭后输出无源 信号
- Olt has six wires, three wires for controlling, and three wires for feedback.

O After the ball valve is fully open

or fully closed, it outputs a passive signal.



DN15-DN25

○可设定星期一到星期日每天 开关的次数和对应的时间点 ◎每天最多可设定5组开关时间

◎以一个星期7天为循环

- Olt can set the number of times of open and close every day from Monday to Sunday and the corresponding time point.
- Oup to 5 groups of open and close times can be set per day. OA cycle of 7 days (one week).



AC220V三线控制 AC220V Three-wire controlling

○ The ball valve opens when the red



- ◎控制线为三芯线
- ◎红色线与黑色线相通时球阀开启 ◎绿色线与黑色线相通时球阀关闭
- - DN15-DN25
- $\hfill \bigcirc$ The controlling wire is three-core wire. wire and black wire are connected.
- The ball valve closes when the green wire and black wire are connected.
 - feedback. After the ball valve is fully open or fully closed, it outputs a passive Power reset (two-wire controlling)

AC220V三线控制带反馈

AC220V Three-wire controlling with position feedback function

DN15-DN100

◎接线为六芯线, 电源控制线为

三芯线,反馈信号为三芯线

◎球阀全开或全闭后输出无源

OIt has six wires, three wires for

controlling, and three wires for



DN15-DN50

- ◎C-01: 小时分钟模式,设置开 启和关闭时间范围1分钟-999小
- ○C-02:分钟秒模式,设置开启 和关闭时间范围15秒-999分钟
- OC-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.



◎采用法拉电容原理,功能相当于 电磁阀: ○常开或常闭,断电自动复位;

like a solenoid valve.

OAdopts the principle of super capacitor, and its function is

DN15-DN25

Normally open or normally close, automatic reset after power off.

按控制方式分 Classified by operation way



- DN15-DN25
- ◎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
- ◎外部断电时,电容放电使球阀复位 The control wire is three-core wire, the same as the three-wire
- controlling.

 When working normally, the super capacitor is charged for use.

DN15-DN80

◎ 收到正向脉冲信号,球阀打开;

无线组网,远距离无线通讯

○ The ball valve will be opened

when receiving the positive

pulse signal and will be closed

when receiving the negative

OCombined with the 4G controller

of the IoT to realize long-distance

wireless communication through

LORA wireless networking

pulse signal

收到反向脉冲信号,球阀关闭

○结合物联网4G控制器,可LORA

the ball valve.

When the external power is off, the capacitor discharges to reset thread.



- DN20-DN80 塑料阀体双由令连接方式,方
- ○不锈钢阀体均为三片式结构,连 接方式为内螺纹 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 © Fast opening and closing speed. connection method is female © Fast opening and closing speed.



场合

○启闭速度快

- ○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)脉冲电动换向阀启闭电耗. 结合物联网4G控制器,可LORA无线
- valve to control the hydraulic actuator to drive the ball valve switch Power consumption for opening and closing of pulse electronic reversing valve: 0.0014W•H/ time
- DN20-DN200
- Combined with the 4G controller of the IoT to realize long-distance wireless communication through LORA wireless networking

DN20-DN200

◎塑料阀体:内螺纹、UPVC胶 接、UPVC法兰、PPR热熔 ②金属阀体: 不锈钢内螺纹、不 锈钢法兰、不锈钢卡箍

O Plastic valve body: female thread,

UPVC glue connection, UPVC

flange, PPR hot melting. Metal valve body: stainless steel female thread, stainless steel flange, stainless steel clamp.

按控制方式分 Classified by operation way



DN20-DN80

- ◎塑料阀体:内螺纹、UPVC胶接、UPVC法兰 Plastic valve body: female thread, UPVC glue connection, UPVC

按其它配件分 Other Accessories

◎显示界面和润新阀一致

- ◎扩展接口丰富,操作简便
- ◎可远程控制以及互锁 ◎可根据需要做流量型和时间型

◎特种陶瓷密封结构

OPTFE sealing ring

◎PTFE密封圈

OIt has various expansion ports,the operation is simple The display interface is the same as the Runxin valve. Olt can be remotely controlled and interlocked.



The meter type and time type can be chosen according to the needs.

○耐冰醋酸、甲酸、双氧水、氢氧化钠等腐蚀性介质

acid, hydrogen peroxide, sodium hydroxide, etc.,

OT type three-way ball valve for printing and dyeing

◎阀杆动密封采用多重密封防护泄漏

O Special ceramic hard sealing structure

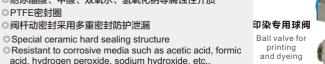


◎特种陶瓷密封结构

Intelligent thermostatic control

Special ceramic hard sealing O Automatic close when leakage happens







109球阀控制器

F109 ball valve controller

DN32