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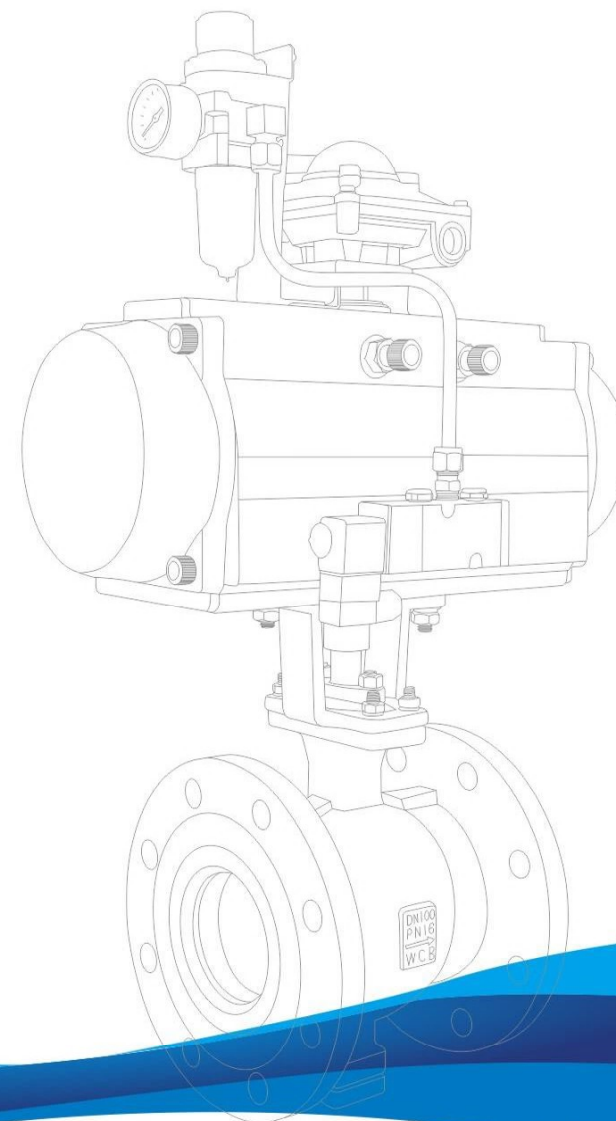
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**球阀**  
BALL VALVE

# PROVIDE FLUID CONTROL PROCESS SOLUTION

提供流体控制过程解决方案

## CONTENTS

### 目录

企业简介 COMPANY PROFILE	01-02
企业资质 COMPANY QUALIFICATION	03-04
生产装备 PROCESSING EQUIPMENT	05-06
检测设备 TESTING EQUIPMENT	07-08

 软密封 球阀系列	<b>SOFT SEALED</b> BALL VALVE SERIES	09-16
 硬密封 球阀系列	<b>HARD SEALED</b> BALL VALVE SERIES	17-24
 V形 球阀系列	<b>V SHAPED</b> BALL VALVE SERIES	25-32
 管线 球阀系列	<b>PIPELINE</b> BALL VALVE SERIES	33-40

## YIFAN VALVE 多年来致力于耐恶劣 工作环境球阀的设计和 材料方面的研究工作

YIFAN works for the design of ball valves under  
poor work conditions and the research of materials for over ten years.



YIFAN 公司拥有一个完整的质量保证系统，以此确保产品符合各种产品标准的规定。YIFAN 全体员工对质量至上的全面认同是产品的最佳保证。YIFAN 公司创立了一个从最初客户询价到最终产品发展的整个过程的一个质量体系。YIFAN 全体员工始终以“高标准、高要求、高品质、高追求”为服务宗旨，全心全意为用户解决问题，满足用户的需求。

YIFAN 拥有超过10年的工程设计经验，且不断进行技术革新。在YIFAN用户可以最大程度地了解本行业的相关知识和工程应用和革新方面的信息。对于客户的特殊要求，YIFAN 的设计人员会提供最佳的解决方案。YIFAN 是一家专业研究、设计、生产在恶劣环境中应用的全金属密封球阀的公司。实际上，在很大程度上，YIFAN 是一个专门按照客户要求定制球阀的公司。YIFAN 的工程设计专家可以分析客户需要，设计出满足客户、能够解决客户严酷苛刻工况问题的球阀产品。YIFAN 10多年的致力于耐恶劣工作环境球阀的设计和材料方面的研究工作，并且广泛应用于炼油、石油、化工、电站、采矿、造纸等行业的重要部位。产品在客户工厂的可靠运行及安全操作，一次次地得到了验证。将继续不断地进行研究和革新，通过改进球体及阀座的表面硬化工艺等来实现过程控制领域的解决方案。

YIFAN Company has a perfect quality control system to ensure the products conform to various product standards. personnel's overall identification with the concept of quality foremost is the best guarantee to product quality. YIFAN Company has set up a quality system including the whole process from customer inquiry to development of final products. Holding the service principle of "high standard, high requirement, high quality and high pursuit", YIFAN personnel are wholeheartedly solving customer problems and meeting user demands.

With more than ten years of experience in engineering design, YIFAN is making continuous technical reform. In YIFAN, users will know the information relating to the industrial knowledge, engineering applications and renovations as much as possible. YIFAN designers will offer the solutions according to special requirements of customers. YIFAN is the company that specializes in researching, designing and producing full metal seal ball valves applied under severe service conditions. Actually, YIFAN is a company mainly specialized in providing customized valves according to customer requirements. The engineering design experts of YIFAN are capable of analyzing customer demands and designing valve products that meet customer requirements for severe working conditions. For over ten years, YIFAN has been devoted to the design of ball valves resistant to severe working environments and the research of materials, and the products are applied in important parts in such industries as oil refining, petroleum, chemical industry, power station, mining, pulp & paper, etc. The reliable running and safe operation of products at customer factories have been verified again and again. We will continue to make research and reform and realize solutions in the process control field through improving the surface hardening technology for the ball and seat.



technical  
engineering  
best  
specialized  
severe  
customized  
YIFAN

# COMPANY QUALIFICATION

## 企业资质



## 严格遵守国家法规及行业标准，规范生产高品质控制.....

STRICTLY COMPLYING WITH NATIONAL REGULATIONS AND INDUSTRIAL STANDARDS,  
STANDARDIZING THE PRODUCTION OF HIGH QUALITY CONTROL VALVES

公司始终把质量做为“生命工程”来建设，严格遵守国家法规及行业标准，规范推进全方位的质量监控。质量文化已经渗透到 参透到研发、生产、销售和服务的每个细节当中，成为一种自觉行为，质量管理体系已全面与国际接轨。

By always building quality as a life project, YIFAN Company strictly complies with national regulations and industrial standards, standardizes and pushes forward all-round quality monitoring. The quality culture has been spread into every detail including research, development, production, sale and service, becoming a conscious behavior. The quality management system has completely kept pace with the world.



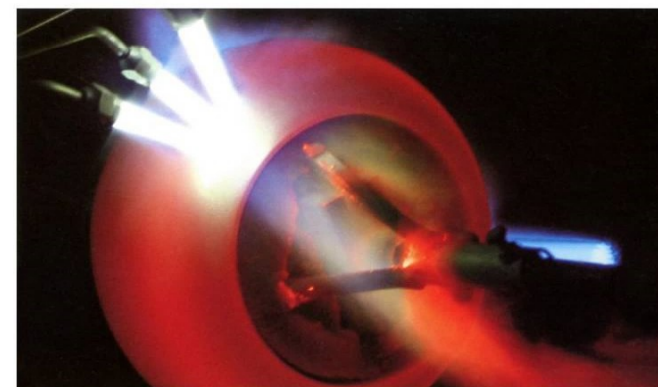
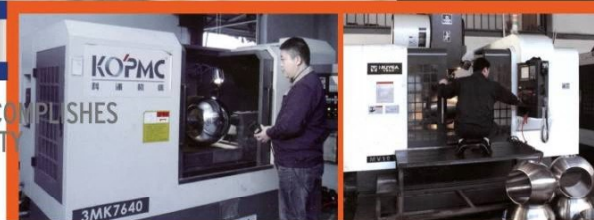
# PRODUCTION EQUIPMENT

## 生产装备



# CUTTING- EDGE

MACHINING EQUIPMENT ACCOMPLISHES  
EXCELLENT PRODUCT QUALITY



## 高尖端的加工设备造就优良的产品品质

为了解决超硬球体的加工问题，YIFAN 公司购置了大型高精度数控磨球中心，加工出的球体直径可达1080mm,圆度达到0.01以下。完全可以满足目前催化剂耐磨球阀的使用要求。截止目前YIFAN公司有数控磨球机3台；精磨球体的外径直径可达30~1080mm,其它高精密加工设备40多套。

In order to solve the machining problem of super-hard balls, YIFAN Company has purchased large-sized high precision CNC ball grinding centers, with the ball after machining having a diameter of up to 1080mm and a roundness of below 0.01, which can fully meet the service requirements of catalyst anti-wear ball valves. Up to now, YIFAN Company has three CNC ball grinding machines with the outside diameter of the ball after precision grinding within the range of 30~1080mm, as well as other more than 40 sets of high precision machining equipment.

# TESTING EQUIPMENT

## 检测设备



从毛坯铸件到最终产品，YIFAN 拥有先进的检验和测试设备进行质量控制。所有铸件都按照相关的规格进行清晰的外观和尺寸检验；严格的工序检验贯穿整个生产过程；每个阀门都按照客户的要求或国际标准 准经过严格的检验，并在装运前进行最终检测。斯 总之，我们拥有绝对的品质控制能力，从产品的设计开发、材料采购、生产制造直到包装出货，都遵循严格的质量管理制度，从而确保产品始终如一的高品质。

YIFAN adopts the advanced inspection and testing facilities to carry out quality control of casting blanks and final products. All castings are subject to precise appearance and size inspections according to relevant standards. The strict procedure inspection is implemented throughout the whole production process. Each valve undergoes strict inspection according to customer requirements or international standards, and is subject to final inspection before shipment. YIFAN will strive to realize zero defect of valves. In short, we have the excellent quality control ability. From design and development, material purchasing, production till packaging and delivery, we strictly follow the quality control system, ensuring the consistently high quality of products.



# 软密封 球阀系列

# SOFT SEALED BALL VALVE SERIES

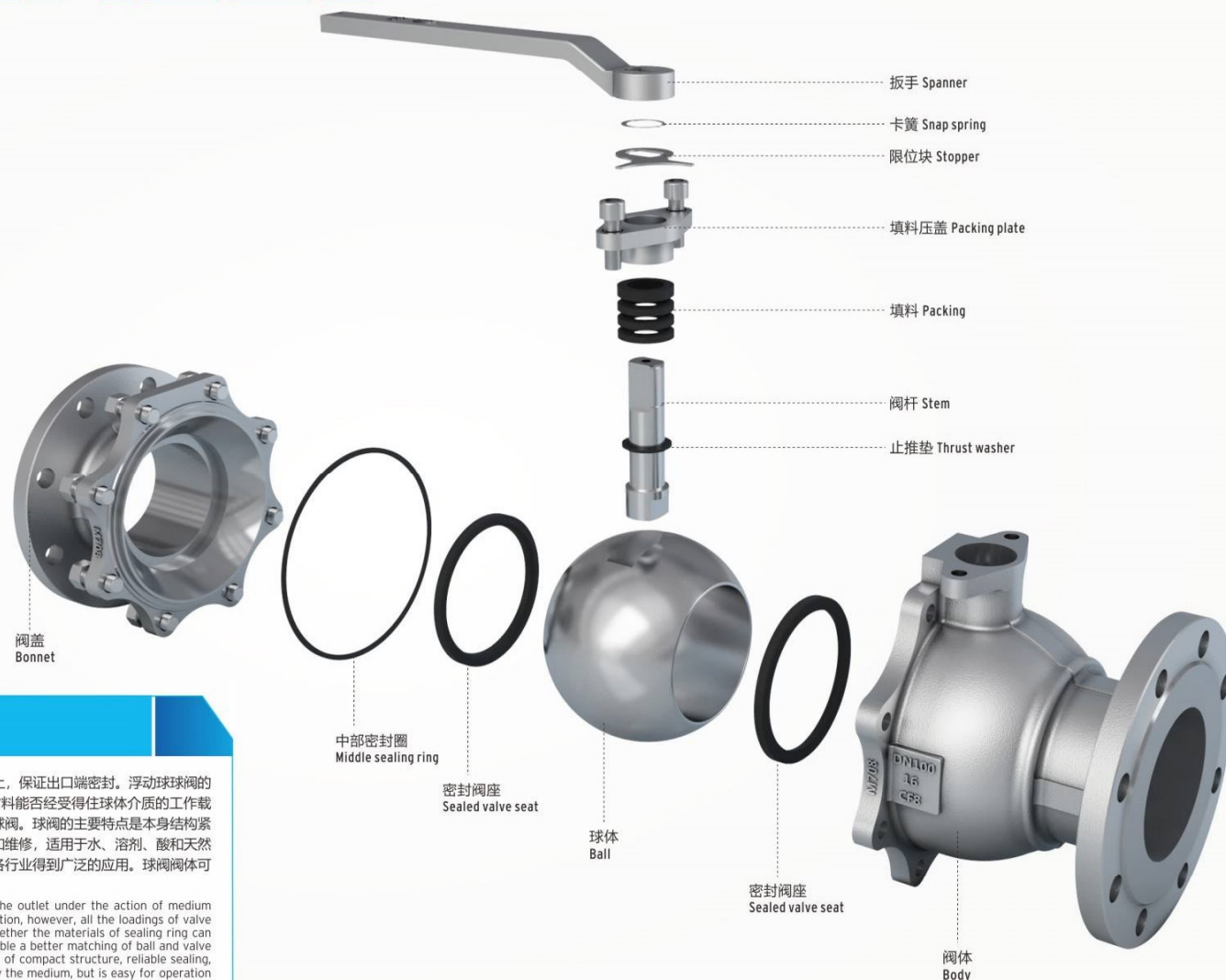
YIFAN为炼油、石油、化工、电站、采矿、造纸等行业提供流体过程控制解决方案，并提供满足解决客户严酷苛刻工况问题的阀门产品。

YIFAN provides fluid process control solutions for refining, petroleum, chemical, power plant, mining, papermaking and other industries, and provides valve products to meet customers' severe and harsh working conditions.



# SOFT SEALED

## BALL VALVE SERIES



### 概述 INTRODUCTION

球阀的球体是浮动的，在介质压力作用下，球体能产生一定的位移并紧压在出口端的密封面上，保证出口端密封。浮动球阀的结构简单，密封性好，但球体承受工作介质的载荷全部传给了出口密封圈，因此要考虑密封圈材料能否经受得住球体介质的工作载荷，在受到较高压力冲击时，球体会发生偏移，使球体与阀座密封配合的更好，一般用于中低压球阀。球阀的主要特点是本身结构紧凑，密封可靠，结构简单，维修方便，密封面与球面常在闭合状态，不易被介质冲蚀，易于操作和维修，适用于水、溶剂、酸和天然气等一般工作介质，而且还适用于工作条件恶劣的介质，如氧气、过氧化氢、甲烷和乙烯等，在各行业得到广泛的应用。球阀阀体可以是整体的，也可以是组合式的。

The ball of the valve is floating, can produce a certain shifting and firmly press on the sealing face of the outlet under the action of medium pressure to ensure the sealing of the outlet. The floating ball valve has a simple structure and good insulation, however, all the loadings of valve balls from the medium are transferred to the sealing ring of the outlet, henceforth, please keep aware whether the materials of sealing ring can withstand the loading of medium, because the balls will be shifted under the strong pressure impact to enable a better matching of ball and valve seat, it is generally applicable for middle and low pressure ball valves. The ball valve has the main features of compact structure, reliable sealing, simple structure and easy maintenance, the sealing and ball face is usually closed and will not be eroded by the medium, but is easy for operation and repair, and is suitable for water, solution, acid, natural gas and other operating medium, and also applicable for the medium under poor work conditions like oxygen, hydrogen peroxide, methane, ethane, and widely applied in various fields. The valve body is integral or combined.



**机械部(经济型)小口径浮动球阀**  
JB (Economic) small-diameter floating ball valve

**公称压力:** 1.0~1.6MPa, 150Lb, 10K  
**公称通径:** DN15~DN32, NPS 1/2"~1 1/4"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**密封材料:** PTFE, RPTFE, PPL  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~1.6MPa, 150Lb, 10K  
**NOMINAL DIAMETER** DN15~DN32, NPS 1/2"~1 1/4"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**SEALING MATERIALS** PTFE, RPTFE, PPL  
**ACCESSORIES** Flange



**化工部(标准型)小口径浮动球阀(手动)**  
HG (Standard) small-diameter floating ball valve (manually)

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**公称通径:** DN15~DN32, NPS 1/2"~1 1/4"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** M111, PPL, 尼龙, PEEK  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**NOMINAL DIAMETER** DN15~DN32, NPS 1/2"~1 1/4"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** M111, PPL, Nylon, PEEK  
**ACCESSORIES** Flange



**机械部(经济型)浮动球阀(手动)**  
JB (Economic) floating ball valve (manually)

**公称压力:** 1.0~2.5MPa, 150Lb, 10K  
**公称通径:** DN40~DN300, NPS 1/2"~12"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**密封材料:** PTFE, RPTFE, PPL  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~2.5MPa, 150Lb, 10K  
**NOMINAL DIAMETER** DN40~DN300, NPS 1/2"~12"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**SEALING MATERIALS** PTFE, RPTFE, PPL  
**ACCESSORIES** Flange



**化工部(标准型)浮动球阀(手动)**  
HG (Standard) floating ball valve (manually)

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**公称通径:** DN40~DN300, NPS 1/2"~12"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** M111, PPL, FEEK, 尼龙, MOLON  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**NOMINAL DIAMETER** DN40~DN300, NPS 1/2"~12"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** M111, PPL, FEEK, Nylon, MOLON  
**ACCESSORIES** Flange



**齿轮传动大口径浮动球阀**  
Gear-driven large-diameter floating ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**公称通径:** DN80~DN300, NPS 1/2"~12"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** PTFE, M111, PPL, PEEK, 尼龙, MOLON  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**NOMINAL DIAMETER** DN80~DN300, NPS 1/2"~12"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** PTFE, M111, PPL, PEEK, Nylon, MOLON  
**ACCESSORIES** Flange



**齿轮传动固定球阀**  
Gear-driven fixed ball valve

**公称压力:** 0.6~10.0MPa, 150Lb~600Lb, 10K  
**公称通径:** DN50~DN800, NPS 1/2"~32"  
**适用温度:** -29~200°C(具体温度范围视介质性质而定)  
**密封材料:** PTFE, M111, PPL, PEEK, 尼龙, MOLON

**NOMINAL PRESSURE** 0.6~10.0MPa, 150Lb~600Lb, 10K  
**NOMINAL DIAMETER** DN50~DN800, NPS 1/2"~32"  
**APPLICABLE TEMPERATURE** -29~200°C  
(The detailed temperature range depends on the medium properties)  
**SEALING MATERIALS** PTFE, M111, PPL, PEEK, Nylon, MOLON



**高平台球阀**  
High platform ball valve

**公称压力:** 1.0~2.5MPa, 150Lb, 10K  
**公称通径:** DN15~DN200, NPS 1/2"~8"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M  
**密封材料:** PTFE, RPTFE, M111, PPL, PEEK  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~2.5MPa, 150Lb, 10K  
**NOMINAL DIAMETER** DN15~DN200, NPS 1/2"~8"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M  
**SEALING MATERIALS** PTFE, RPTFE, M111, PPL, PEEK  
**ACCESSORIES** Flange



**气动球阀**  
Pneumatic ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**公称通径:** DN15~DN300, NPS 1/2"~12"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** PTFE, RPTFE, M111, PPL, PEEK, 尼龙  
**配套附件:** 安装法兰

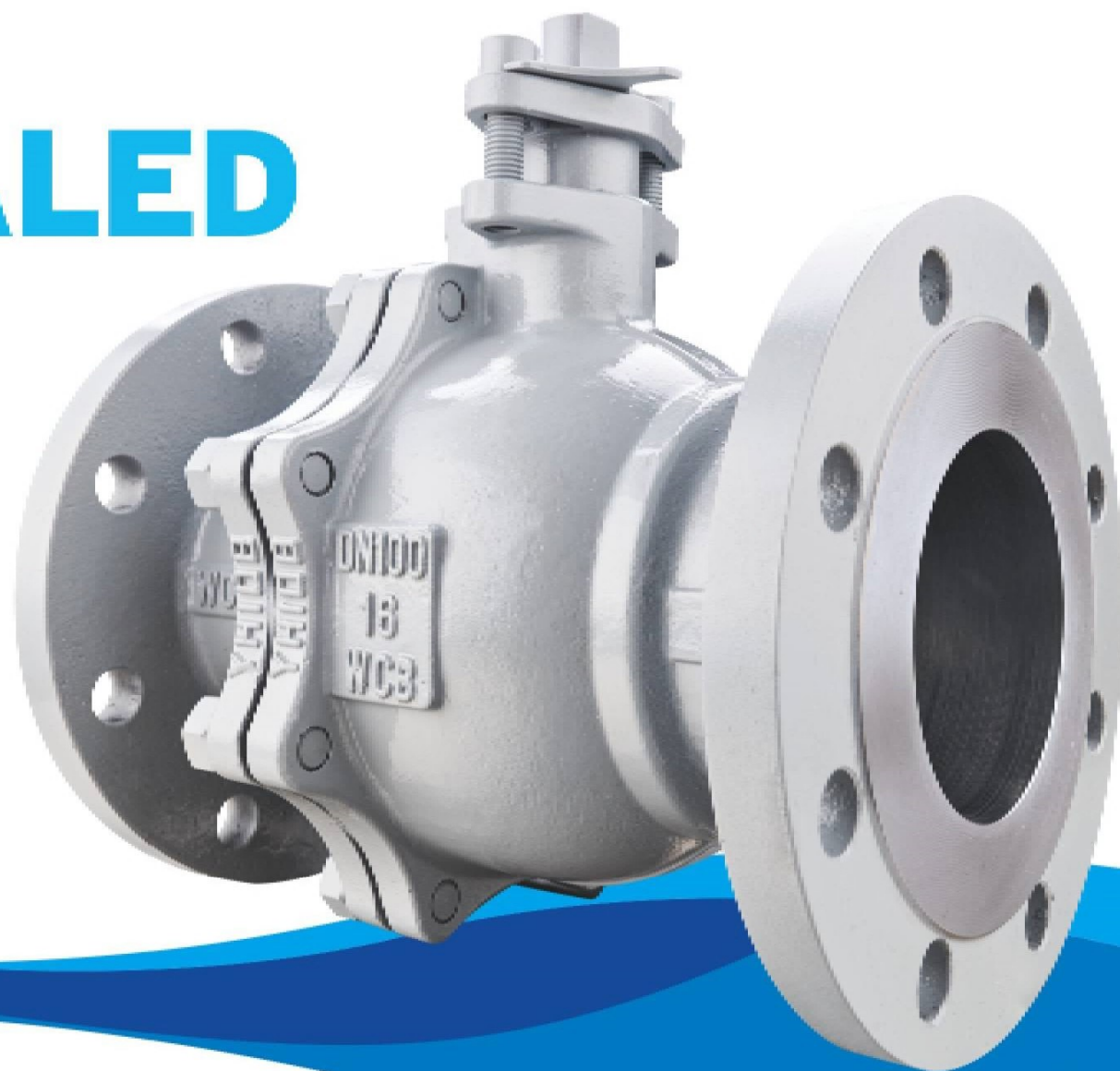
**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb, 10K  
**NOMINAL DIAMETER** DN15~DN300, NPS 1/2"~12"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** PTFE, RPTFE, M111, PPL, PEEK, Nylon  
**ACCESSORIES** Flange

# 硬密封 球阀系列

## HARD SEALED BALL VALVE SERIES

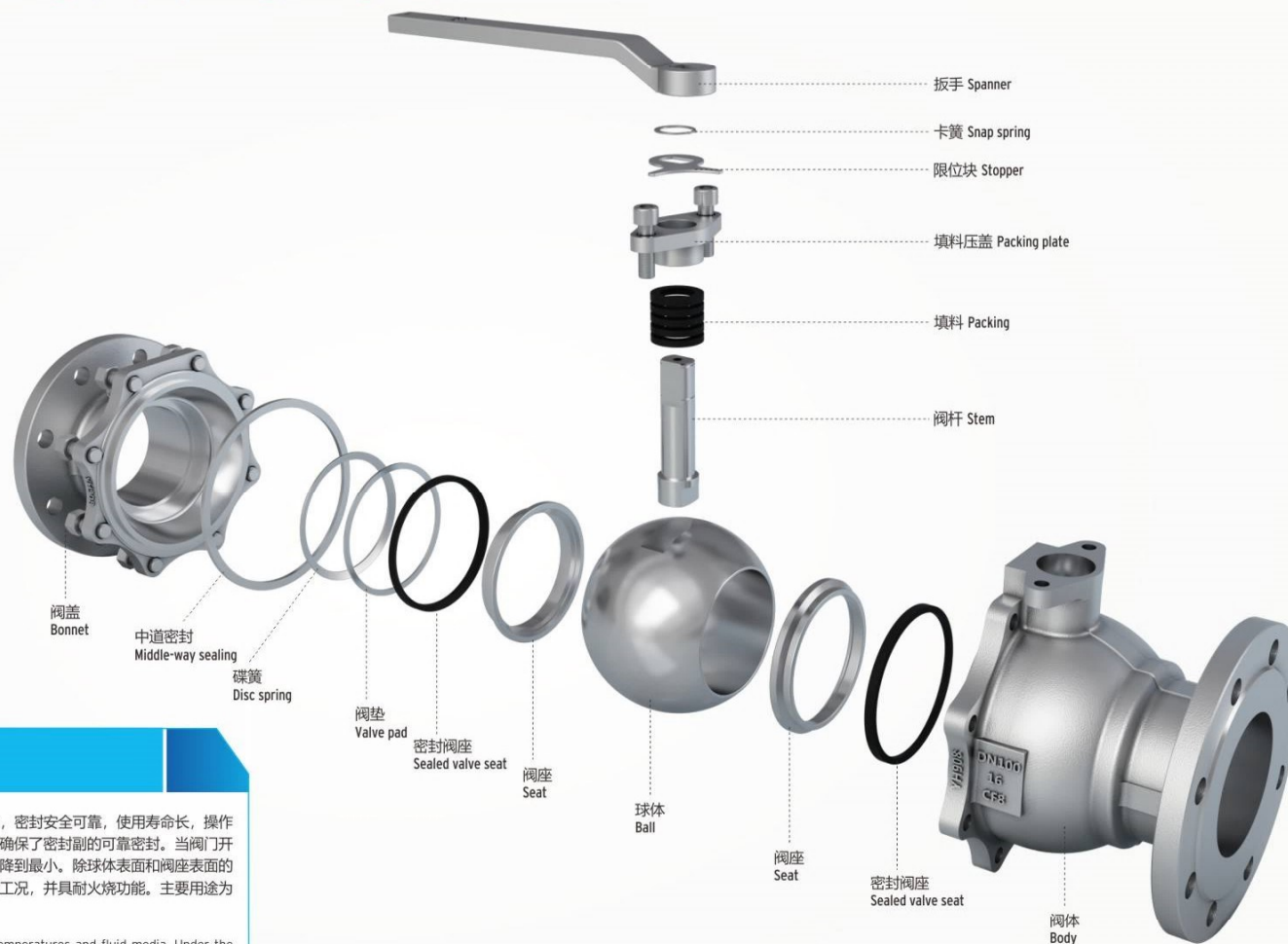
适用于石油、化工、电站、煤矿、造纸等行业液体管路控制解决方案，并提供满足特殊客户要求的定制化阀门产品。

provides fluid process control solutions for refining, petroleum, chemical, power plant, mining, papermaking and other industries, and provides valve products to meet customers' special and harsh working conditions.



# HARD SEALED

## BALL VALVE SERIES



### 概述 INTRODUCTION

金属硬密封球阀相对于软密封球阀，可适应更宽范围的温度和流体介质领域，在工作状态下，密封安全可靠，使用寿命长，操作方便，压力损失小。采用偏心结构，在关闭过程中，阀座与球体间的密封比压能迅速增加，从而确保了密封副的可靠密封。当阀门开启时，阀座与球体能迅速脱离，有效的减小了操作力矩，并使阀座表面与球面之间的擦伤可能性降到最小。除球体表面和阀座表面的特殊表面处理外，在其它密封材料方面采用柔性石墨、金属缠绕式垫片等，故能用于高温、高压工况，并具耐火烧功能。主要用途为高温、高压、强腐蚀性及含有颗粒性介质的工况，如煤化工，多晶硅，硫酸/硝酸等行业。

Compared with the soft seal ball valve, the metal hard seal ball valve is suitable for a wider range of temperatures and fluid media. Under the working status, it is featured by safe and reliable sealing, long service life, convenient operation and low pressure loss. As the valve adopts the eccentric structure, during the closing process, the sealing specific pressure between the seat and ball will rapidly increase, so as to ensure reliable sealing of the sealing pair. When the valve is opened, the seat will rapidly leave the ball, so as to effectively reduce the operating torque and minimize the possibility of scratch between seat surface and ball surface. The ball surface and seat surface are subject to special surface treatment, and other sealing materials such as flexible graphite, metal wound gasket, etc. are adopted, so it can be used under high temperature and high pressure service conditions and is resistant to fire. It is mainly used in high temperature, high pressure and high corrosion service conditions and those with media containing granules in such industries as coal chemical industry, polycrystalline silicon, sulfuric acid/nitric acid, etc.



**Q41H/Y 低平台单向硬密封法兰球阀**  
Low platform one-way hard-seal flanged ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~200mm, NPS 1/2"-8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"-8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange



**Q11H/Y 螺纹硬密封球阀**  
Threaded hard-seal ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~100mm, NPS 1/2"-4"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接方式:** GB/T 7306  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 螺纹连接

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~100mm, NPS 1/2"-4"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 7306  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Thread connection



**Q41H/Y 低平台双向硬密封法兰球阀**  
Low platform two-way hard-seal flanged ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~200mm, NPS 1/2"-8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"-8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange



**Q11H/Y 锻钢螺纹硬密封球阀**  
Forged steel threaded hard-seal ball valve

**公称压力:** 1.0~10.0MPa, 150Lb~600Lb  
**公称通径:** DN15~50mm, NPS 1/2"-2"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接方式:** GB/T 7306  
**阀门材料:** A105, F304, F316, 特种钢等  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 螺纹连接

**NOMINAL PRESSURE** 1.0~10.0MPa, 150Lb~600Lb  
**NOMINAL DIAMETER** DN15~50mm, NPS 1/2"-2"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 7306  
**VALVE MATERIALS** A105, F304, F316, Special steel etc  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Thread connection



**Q641H/Y 气动硬密封法兰球阀**  
Pneumatic hard-seal flanged ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~200mm, NPS 1/2"~8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"~8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange



**Q341H/Y 浮动式硬密封球阀**  
Floating hard-seal ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~200mm, NPS 1/2"~8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"~8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange



**Q941H/Y 电动双向硬密封法兰球阀**  
Electric two-way hard-seal flanged ball valve

**公称压力:** 1.0~4.0MPa, 150Lb~300Lb  
**公称通径:** DN15~200mm, NPS 1/2"~8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~4.0MPa, 150Lb~300Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"~8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange



**Q347H/Y 固定式硬密封球阀**  
Fixed hard-seal ball valve

**公称压力:** 1.0~10.0MPa, 150Lb~600Lb  
**公称通径:** DN15~800mm, NPS 1/2"~32"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** Hcr, STL, Ni60, WC  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~10.0MPa, 150Lb~600Lb  
**NOMINAL DIAMETER** DN15~800mm, NPS 1/2"~32"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** Hcr, STL, Ni60, WC  
**ACCESSORIES** Flange

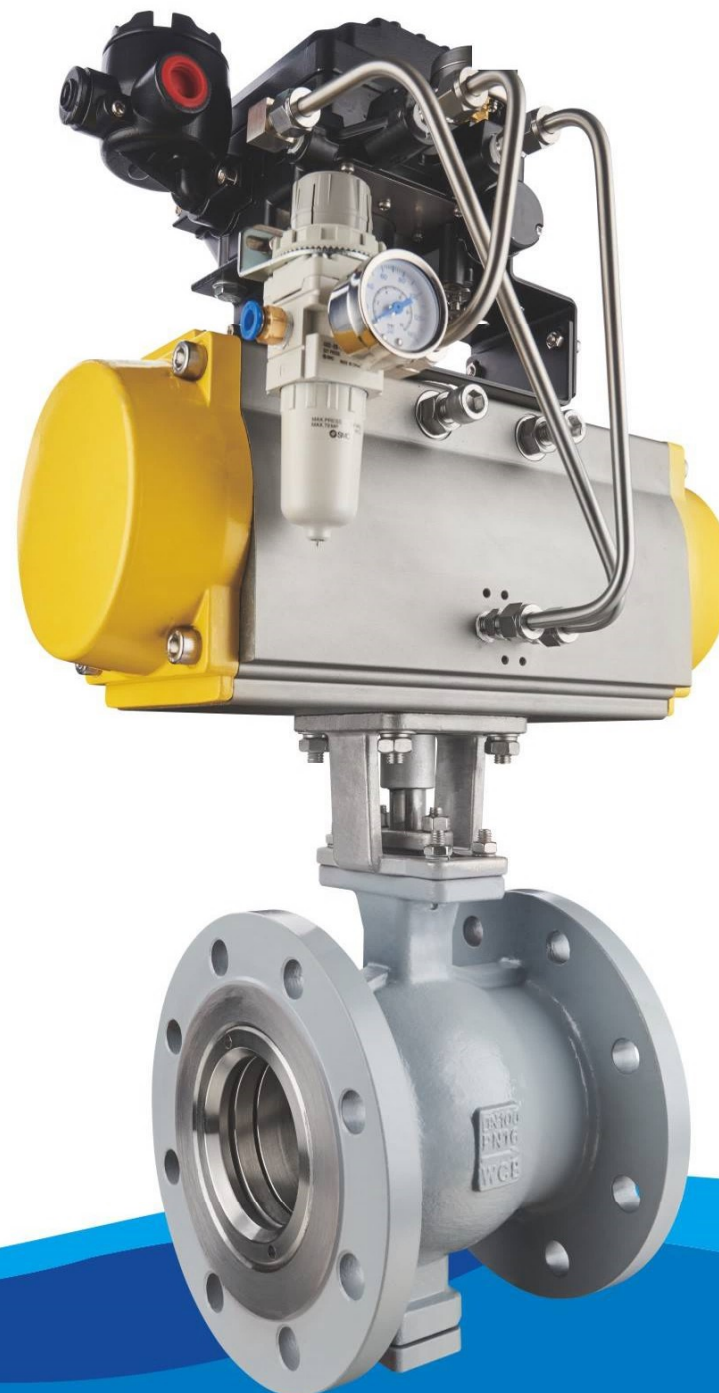


## V形 球阀系列

# V SHAPED BALL VALVE SERIES

为炼油、石油、化工、电站、采矿、造纸等行业提供流体过程控制解决方案，并提供满足解决客户严酷苛刻工况问题的阀门产品。

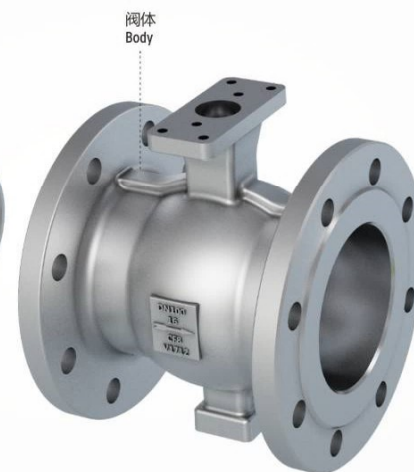
provides fluid process control solutions for refining, petroleum, chemical, power plant, mining, papermaking and other industries, and provides valve products to meet customers' severe and harsh working conditions.



# V SHAPED

## BALL VALVE

## SERIES



### 概述 INTRODUCTION

V形球阀的流量特性为近似等百分比，该阀调节范围广、密封可靠、使用寿命长、而且带有V缺口的球体与阀座具有剪切作用，适用于高稠度和含有纤维、微小颗粒和浆料的工况介质。主要适用造纸、石油化工、污水处理、化纤、冶金、制药等工业部门的自控系统。V形球阀分为开关型和调节型两种。

The flow characteristic of the V ball valve is approximate equal percentage. The valve is featured by wide adjusting f reliable sealing and long service life. The V notch of the ball produces the shearing force with the seat. It is especially suital controlling media of high viscosity and those containing fibers, small granules and slurries. It is mainly used in automatic ( systems in pulp & paper, petrochemical industry, sewage treatment, chemical fiber, metallurgy, pharmacy and other indi The V ball valves include two types such as on-off type and control type.



QV640F/H/Y 气动切断法兰V形球阀  
Pneumatic cutoff flanged V-shaped ball valve

公称压力: 1.0~4.0MPa, 150Lb~300Lb  
公称通径: DN15~500mm, NPS 1/2"~20"  
适用温度: -29~425°C(具体温度范围视介质性质而定)  
连接法兰: GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
阀门材料: WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
密封形式: 软、硬密封  
配套附件: 安装法兰

NOMINAL PRESSURE 1.0~4.0MPa, 150Lb~300Lb  
NOMINAL DIAMETER DN15~500mm, NPS 1/2"~20"  
APPLICABLE TEMPERATURE -29~425°C  
(The detailed temperature range depends on the medium properties)  
CONNECTION FLANGE GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
VALVE MATERIALS WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
SEAL TYPE Soft and hard seals  
ACCESSORIES Flange



QV940F/H/Y 电动法兰V形球阀  
Electric flanged V-shaped ball valve

公称压力: 1.0~4.0MPa, 150Lb~300Lb  
公称通径: DN15~500mm, NPS 1/2"~20"  
适用温度: -29~425°C(具体温度范围视介质性质而定)  
连接法兰: GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
阀门材料: WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
密封形式: 软、硬密封  
配套附件: 安装法兰

NOMINAL PRESSURE 1.0~4.0MPa, 150Lb~300Lb  
NOMINAL DIAMETER DN15~500mm, NPS 1/2"~20"  
APPLICABLE TEMPERATURE -29~425°C  
(The detailed temperature range depends on the medium properties)  
CONNECTION FLANGE GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
VALVE MATERIALS WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
SEAL TYPE Soft and hard seals  
ACCESSORIES Flange



QV677F/H/Y 气动切断对夹V形球阀  
Pneumatic cutoff wafer V-shaped ball valve

公称压力: 1.0~4.0MPa, 150Lb~300Lb  
公称通径: DN15~250mm, NPS 1/2"~10"  
适用温度: -29~425°C(具体温度范围视介质性质而定)  
连接法兰: GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
阀门材料: WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
密封形式: 软、硬密封  
配套附件: 安装法兰

NOMINAL PRESSURE 1.0~4.0MPa, 150Lb~300Lb  
NOMINAL DIAMETER DN15~250mm, NPS 1/2"~10"  
APPLICABLE TEMPERATURE -29~425°C  
(The detailed temperature range depends on the medium properties)  
CONNECTION FLANGE GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
VALVE MATERIALS WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
SEAL TYPE Soft and hard seals  
ACCESSORIES Flange



QV977F/H/Y 电动对夹V形球阀  
Electric wafer V-shaped ball valve

公称压力: 1.0~4.0MPa, 150Lb~300Lb  
公称通径: DN15~250mm, NPS 1/2"~10"  
适用温度: -29~425°C(具体温度范围视介质性质而定)  
连接法兰: GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
阀门材料: WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
密封形式: 软、硬密封  
配套附件: 安装法兰

NOMINAL PRESSURE 1.0~4.0MPa, 150Lb~300Lb  
NOMINAL DIAMETER DN15~250mm, NPS 1/2"~10"  
APPLICABLE TEMPERATURE -29~425°C  
(The detailed temperature range depends on the medium properties)  
CONNECTION FLANGE GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
VALVE MATERIALS WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
SEAL TYPE Soft and hard seals  
ACCESSORIES Flange

# 管线 球阀系列

## PIPELINE BALL VALVE SERIES

为炼油、石油、化工、电站、采矿、造纸等行业提供流体过程控制解决方案，并提供满足解决客户严酷苛刻工况问题的阀门产品。

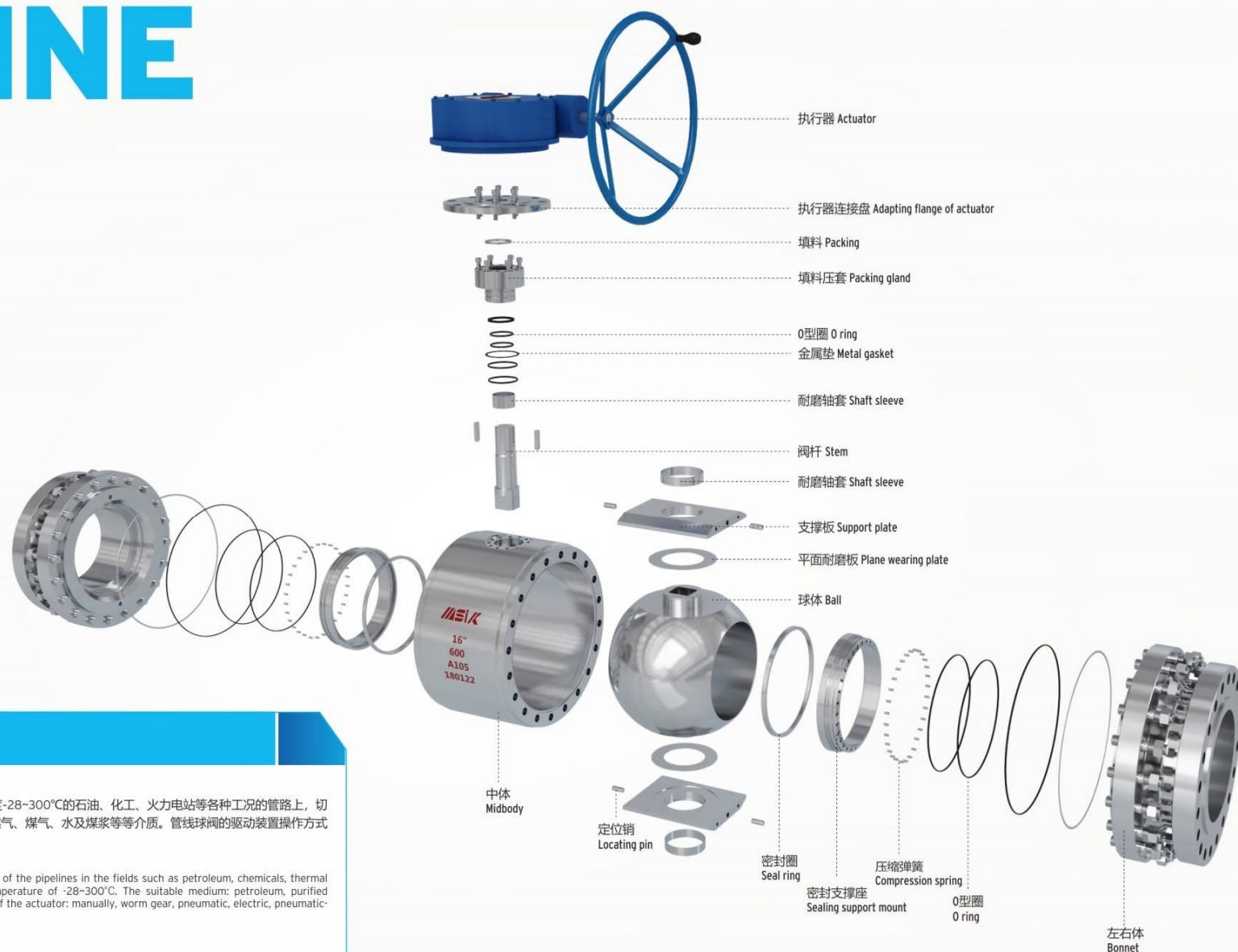
provides fluid process control solutions for refining, petroleum, chemical, power plant, mining, papermaking and other industries, and provides valve products to meet customers' severe and harsh working conditions.



# PIPELINE

## BALL VALVE

### SERIES



### 概述 INTRODUCTION

管线球阀适用于1.6MPa-25.0MPa Class150~Class1500, 工作温度-28~300℃的石油、化工、火力电站等各种工况的管路上, 切断或接通介质。管线球阀的适用介质为: 石油、净化天然气、酸性天然气、煤气、水及煤浆等等介质。管线球阀的驱动装置操作方式有: 手动、蜗轮传动、气动、电动、气液联动等。

Pipeline ball valve is applicable for the cutting off or connecting the medium of the pipelines in the fields such as petroleum, chemicals, thermal power station with 1.6MPa-25.0MPa Class150~Class1500, the operating temperature of -28~300°C. The suitable medium: petroleum, purified natural gas, acid natural gas, coal gas, water, coal slurry. The driving modes of the actuator: manually, worm gear, pneumatic, electric, pneumatic-hydraulic and so on.



**Q41F/H/Y 锻钢法兰球阀**  
Forged steel flanged ball valve

**公称压力:** 1.0~42.0MPa, 150Lb~2500Lb  
**公称通径:** DN15~200mm, NPS 1/2"~8"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封形式:** 软、硬密封  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~42.0MPa, 150Lb~2500Lb  
**NOMINAL DIAMETER** DN15~200mm, NPS 1/2"~8"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEAL TYPE** Soft and hard seals  
**ACCESSORIES** Flange



**Q347F/H/Y 锻钢法兰固定球阀**  
Forged steel flanged fixed ball valve

**公称压力:** 1.0~16.0MPa, 150Lb~900Lb  
**公称通径:** DN50~800mm, NPS 2"~32"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封形式:** 软、硬密封  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~16.0MPa, 150Lb~900Lb  
**NOMINAL DIAMETER** DN50~800mm, NPS 2"~32"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEAL TYPE** Soft and hard seals  
**ACCESSORIES** Flange



**Q11F/H/Y 锻钢螺纹球阀**  
Forged steel threaded ball valve

**公称压力:** 1.0~10.0MPa, 150Lb~600Lb  
**公称通径:** DN15~100mm, NPS 1/2"~4"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 7306  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封形式:** 软、硬密封  
**配套附件:** 螺纹连接

**NOMINAL PRESSURE** 1.0~10.0MPa, 150Lb~600Lb  
**NOMINAL DIAMETER** DN15~100mm, NPS 1/2"~4"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 7306  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEAL TYPE** Soft and hard seals  
**ACCESSORIES** Thread connection



**Q947F/H/Y 锻钢电动法兰固定球阀**  
Forged steel electric flanged fixed ball valve

**公称压力:** 1.0~16.0MPa, 150Lb~900Lb  
**公称通径:** DN50~800mm, NPS 2"~32"  
**适用温度:** -29~425°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封形式:** 软、硬密封  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~16.0MPa, 150Lb~900Lb  
**NOMINAL DIAMETER** DN50~800mm, NPS 2"~32"  
**APPLICABLE TEMPERATURE** -29~425°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEAL TYPE** Soft and hard seals  
**ACCESSORIES** Flange



#### Q41F 天然气专用球阀

Natural gas ball valve

**公称压力:** 1.6~2.5MPa  
**公称口径:** DN40~100mm  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, HG/T 20592  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** RPTFE, MI11  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.6~2.5MPa  
**NOMINAL DIAMETER** DN40~100mm,  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, HG/T 20592  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** RPTFE, MI11  
**ACCESSORIES** Flange



#### Q367F 锻钢法兰管线球阀

Forged steel flanged pipeline ball valve

**公称压力:** 1.6~16.0MPa, 150Lb~900Lb  
**公称口径:** DN50~800mm, NPS 2"~32"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 12224, ANSI B16.25  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封材料:** RPTFE, MI11, PEEK  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.6~16.0MPa, 150Lb~900Lb  
**NOMINAL DIAMETER** DN50~800mm, NPS 2"~32"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 12224, ANSI B16.25  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEALING MATERIALS** RPTFE, MI11, PEEK  
**ACCESSORIES** Flange



#### Q341F 法兰管线球阀

Flanged pipeline ball valve

**公称压力:** 1.6~10.0MPa, 150Lb~600Lb  
**公称口径:** DN50~800mm, NPS 2"~32"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** WCB, CF8, CF3, CF8M, CF3M, 310S, 特种钢  
**密封材料:** RPTFE, MI11, PEEK  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.6~10.0MPa, 150Lb~600Lb  
**NOMINAL DIAMETER** DN50~800mm, NPS 2"~32"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** WCB, CF8, CF3, CF8M, CF3M, 310S, Special steel  
**SEALING MATERIALS** RPTFE, MI11, PEEK  
**ACCESSORIES** Flange



#### Q647F 锻钢气动法兰管线球阀

Forged steel pneumatic flanged pipeline ball valve

**公称压力:** 1.0~16.0MPa, 150Lb~900Lb  
**公称口径:** DN50~800mm, NPS 2"~32"  
**适用温度:** -29~180°C(具体温度范围视介质性质而定)  
**连接法兰:** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**阀门材料:** A105, F304, F316, 特殊材料等  
**密封材料:** RPTFE, MI11, PEEK  
**配套附件:** 安装法兰

**NOMINAL PRESSURE** 1.0~16.0MPa, 150Lb~900Lb  
**NOMINAL DIAMETER** DN50~800mm, NPS 2"~32"  
**APPLICABLE TEMPERATURE** -29~180°C  
(The detailed temperature range depends on the medium properties)  
**CONNECTION FLANGE** GB/T 9113, JB/T 79, HG/T 20592, ASME B16.5  
**VALVE MATERIALS** A105, F304, F316, Special materials and so on  
**SEALING MATERIALS** RPTFE, MI11, PEEK  
**ACCESSORIES** Flange