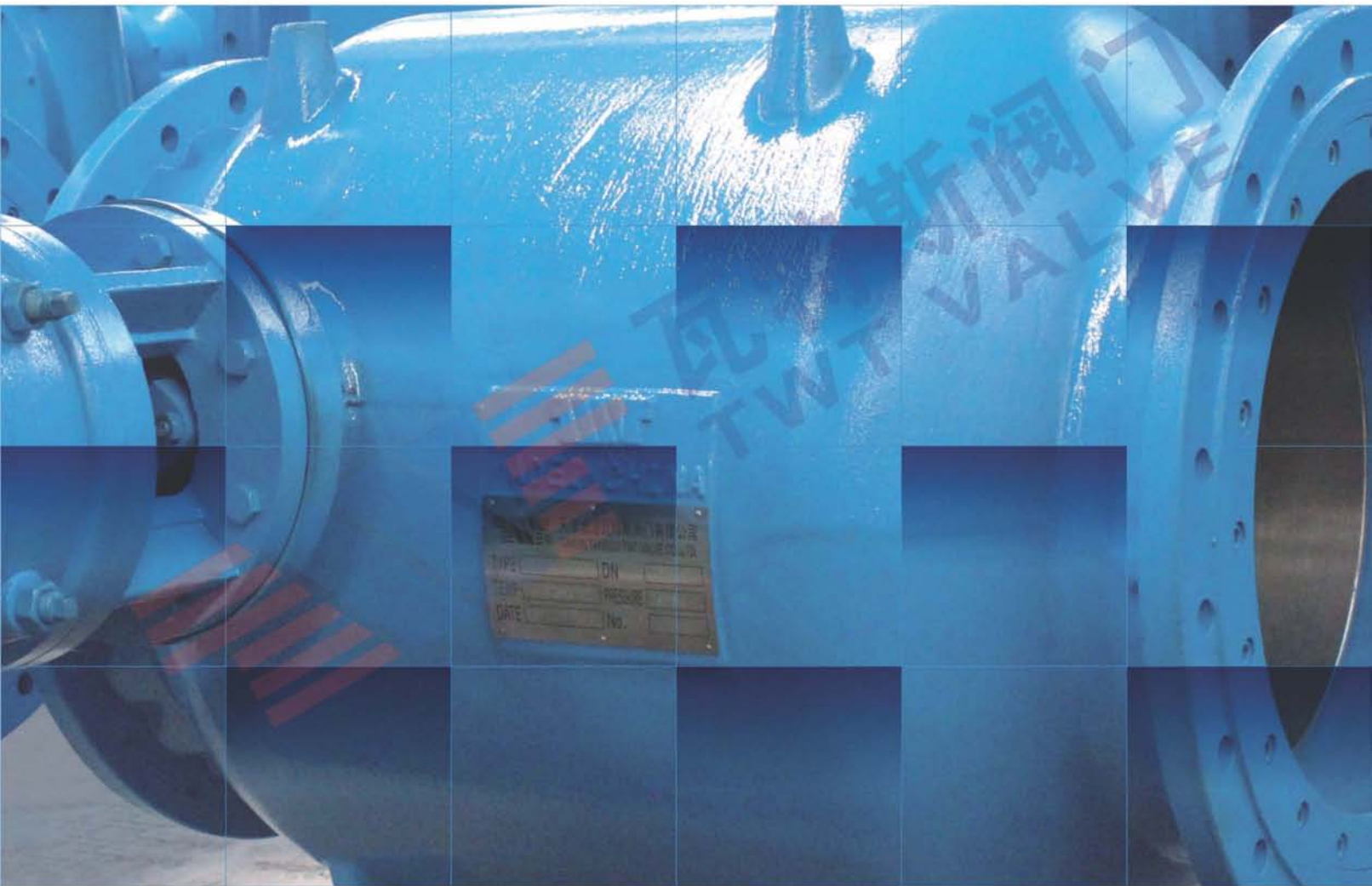




2013 EDITION



综合产品图册 General Catalog



A leader

In Valve Technology

天津塘沽瓦特斯阀门有限公司
TIANJIN TANGGU TWT VALVE CO., LTD.

www.twtvalve.com



瓦特斯阀门
TWT VALVE

SINCE 1956



www.twtvalve.com

TWT, 历史成就的辉煌

TWT, Splendid Achievements

1956年

建厂，以其卓越的品质和完善的服务享誉四海，成为中国机械行业500强，首批国家二级企业。

In 1956

Established, famous for its excellent product quality and perfect services, TWT becomes the top 500 enterprises in China machine building industry and national level II enterprise.

1980年

与国际著名阀门制造商德国马克公司合作，研发新产品蝶阀系列，在国内第一家生产制造蝶阀，是中国阀门行业蝶阀产品开发及制造的鼻祖。

In 1980

TWT cooperated with Germany Marker Company, internationally-famous valve manufacturer, to develop new product—— butterfly valves series products, and became the first butterfly valve manufacturer in China, as well as the originator of development and manufacture of butterfly valve products in China valve industry.

1994年

成立中美合资企业，成为国际大型制造企业，并被评为中国城镇供水全国大中城市最受用户欢迎企业，市场占有率第一，机械工业部唯一的工艺管理优秀企业，全国阀门行业副理事长单位。

In 1994

Founded Sino-US Joint Venture, TWT became a large international manufacture enterprise and was awarded as the most customer preference enterprise among national large and medium cities for urban water supply in China, and the only process management excellent enterprise of the Ministry of Machine Building Industry, deputy director unit of national valve industry, and its market share ranked No. 1 in China.

1996年

与日本久保田制造商进行技术交流，合作开发新产品并提高阀门的关键技术性能指标。

In 1996

TWT conducted technical exchanges with Japan Kubota manufacturer to jointly develop new products thus improve key technical performance indexes.

2007年

美国独资控股工厂成为其全球主要制造中心。

In 2007

TWT's American Solely Owned Holding Factory became its global main manufacture center.

2008年

通用电气集团（香港）有限公司为拓展其国内业务，收购TWT工厂及天津沃茨工厂，扩大生产制造能力，并建立大型研发测试中心，使TWT公司在全球阀门制造行业保持领先地位，并秉承瓦特斯理性阀门专家的宗旨以品质开创未来。

In 2008

In order to expand business in China, Common electric (Hong Kong) holdings Limited merged TWT factory and Watts factory in Tianjin, enlarge manufacture capacity and set up valve research and development and testing center to ensure TWT company ahead in valve manufacture industry. At the same time TWT hold the value of Intelligent Valve Expert that The future is relying on quality.

A LEADER IN VALVE TECHNOLOGY TWT VALVE



天津塘沽瓦特斯阀门有限公司
TIANJIN TANGGU TWT VALVE CO., LTD.



A LEADER IN VALVE TECHNOLOGY TWT VALVE

公司简介 COMPANY PROFILE

天津塘沽瓦特斯阀门有限公司作为一家专门从事阀门开发和制造的业界先驱，50多年来，产品在城市给排水、污水处理、海水淡化、电力、石油、化工、冶金、供热、船舶、医药、造纸等应用领域创造了卓尔不凡的业绩，产品覆盖于美国、加拿大、法国、德国等世界70多个国家。

TWT公司拥有才能卓越的高级技术工程团队以及配备先进精密设备的大型研发中心和检测中心，并建立大型产品系统运行模拟管线。结合五十多年的技术积累，研发和制造高品质，高技术含量的节能环保产品是TWT公司研发的前提条件。TWT开发生产的产品先后获得二十多项专利及十几项国家给予的荣誉，并是国家机械工业部阀门生产标准的缔造者。

Tianjin Tangu TWT Valve Co.,Ltd.A leader in valves Industry Specializes in valve development manufacture and created outstanding achievements in the fields of urban water supply and drainage, sewage treatment,seawater desating, power,petroleum,chemical industry,metallurgy industry,heat supply,ships building,medicine and papermaking,etc.The past 50 years.TWT valves are sold to more than 70 countries such as USA,Canada,France and Germany,etc. It is the R&D standard of TWT equipped with talented and senior R&D teams and large well-equipped R&D and test center to develop and manufacture energy-efficiency,environment protecting and high-quality high-tech products.TWT products have obtained more than twenty patents and ten national level awards successively.Furthermore,TWT is the creator of standards for valves manufacturing of the Ministry of Machine Building Industry.

TWT Splendid Achievements

Established in 1956, famous for its preeminent products quality and sophisticated service, TWT becomes one of top 500 enterprises in China machine building industry and national level II enterprises.

In 1980,TWT cooperated with Germany Marker Company, internatioally-famous valve manufacturer, to develop new product – butterfly valves series products,and became the first butterfly valve manufacturer in China, as well as the originator of development and manufacture of butterfly valve products in China valve industry.

In 1986,TWT conducted technical exchanges with Japan Kubota manufacturer to jointly develop new products thus improve key technical performance indexes.

In 1994 founded Sino-US Joint Venture, TWT became a large international manufacture enterprise and was awarded as the most customer preference enterprise among national large and medium cities for urban water supply in China, and the only process management excellent enterprise of the Ministry of Machine Building Industry, deputy director unit of national valve industry, and its market share ranked No.1 in China.

At the early of 2007, TWT's American Solely Owned Holding Factory became its global main manufacture center.

At the end of the year 2008, In order to expand business in China,Common electric (Hong Kong) holdings Limited merged TWT factory and Watts factory in Tianjin,enlarge manufacture capacity and set up valve research and development and testing center to ensure TWT company ahead in valve manufacture industry. At the same time TWT hold the value of Intelligent Valve Expert that The future is relying on quality.

TWT 质量体系与质量保证……

我们将产品的安全性与高可靠性的品质视为企业的生命，在中国阀门行业中，我们首家获得DNV颁发ISO 9001: 2008质量体系认证，并取得欧盟承压设备指令97/23/EC(欧盟CE认证), 美国UL/FM认证、中国船级社工厂认证。

TWT 节能与环保的理念……

产品的节能环保理念，可靠，经久耐用就是瓦特斯节能环保产品标准。

我们明白我们肩负的环保和社会责任，现已取得并运行ISO14001:2004环境管理体系，且已通过DNV现场审核。

TWT 值得信赖的合作伙伴……

在TWT公司，“守信、优质、创新”的核心价值观指导我们的行动。

我们承诺践行这些价值观，在TWT公司五十余载的发展过程中，我们赢得了优质和守信这一无价资产。

TWT 我们的服务保证……

我们不断地培训技术人员，以保证用户可以享受到行业内的最佳服务。我们的专业服务人员具有安装、调试、维护的丰富经验。产品设有零件库存。我们保证，在接到世界任何区域客户的质量投诉或需要技术支持时，我们将在2小时之内给予答复。您完全可以相信，在这里，可以得到前所未有的高质量服务。

TWT 核心价值观……

“守信、优质、创新”是TWT公司的核心价值观。

此价值观是公司理念和公司文化的基石，如同1956年TWT公司建立之初一样。



TWT Quality Control And Quality Assurance

We regard the safety and high-reliability of the product as the life of our company. Our company is the first one to pass the ISO 9001:2008 quality certification approved by DNV. We also pass the following certifications: Pressure Equipment Directive 97/23/EC (CE certification), UL/FM approved and CCS certification.

TWT Energy Saving And EnvironmentProtect Idea

We know clearly our mission and society responsibility so ISO14001:2004 environment management system has run in our company.

TWT A Reliable Partner

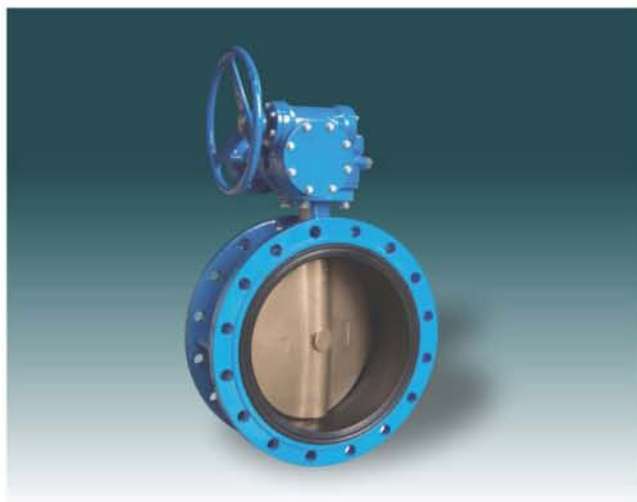
Our action is directed by the core value of “credit, perfect and innovation”. We guarantee that we put the value into practice so we own “perfect and credit” honor in the last 50 years.

TWT Our Service Guarantee

We continuously to treat the engineers to ensure they can provide the best service for our customers. Our professional service team has rich experience in assembly, adjusting and maintenance. We strictly guarantee that we will make a reply in 2 hours when quality complain or engineering help arrives. You can firmly believe that you will get high quality service.

TWT Core Value

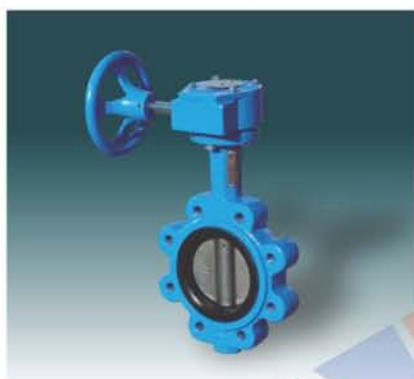
Credit, perfect and innovation are our core value. This core value is the foundation of idea and culture just like that of the TWT was founded in 1956.



300F系列法兰中心板式蝶阀

中线蝶阀系列 Center Line Butterfly Valve Series

- 规格 Size: DN50~3800
- 压力 Pressure: PN1.0~2.0MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水、油、气及各种腐蚀性介质
Water, oil, gas, and various corrosion medium
- 结构类型 Structure: 无销中线、有销中线
Without Pin center line, with Pin center
- 连接方式 Connection mode: 法兰式、对夹式、螺纹式、卡箍式
Flange, wafer, thread, groove
- 驱动方式 Driving mode: 手动、涡轮传动、气动、电动、液动
Manual, gear, pneumatic, electric, hydraulic
- 连接标准 Connection standard: GB • ANSI • DIN • API • ISO • BS



609LT系列对夹式蝶阀



609A系列对夹式蝶阀(双耳)



609X系列消防信号蝶阀



609XK系列消防卡箍蝶阀



609HALE系列蝶阀



609F系列全衬氟蝶阀

- 阀体类型: 300F双法兰DN50~1200 609A对夹式DN50-1200 609LT 凸耳DN50-800 609AF 双法兰DN50~1200 609AU U型法兰DN100~3800 609F对夹式DN50~1200 609FF 法兰式DN50-1200 卡箍螺纹DN50~200
- 阀体材质: 铸铁、球墨铸铁、铸钢、304不锈钢、316不锈钢、316L不锈钢、双相钢、铝、铜
- 阀板材质: 铸铁、球墨铸铁、铸钢、304不锈钢、316不锈钢、316L不锈钢、双相钢、铝青铜、哈氏合金、Uranus B6
- 阀座材质: 金属、乙丙胶、高温乙丙胶、丁腈、聚四氟乙烯、氟胶
- 阀轴材质: 316不锈钢、416不锈钢、双相钢、哈氏合金、Uranus B6
- Body type: 300F double flange DN50~1200 609A wafer DN50~1200 609LT Lug DN50~800 609AF double flange DN50~1200 609AU U type flange DN100~3800 609F wafer DN50~1200 609FF flange DN50~1200 Thread and groove DN50~200
- Body: cast iron, ductile iron, steel, stainless steel, aluminum, copper
- Disc: cast iron, ductile iron, cast steel, SS304, 316 stainless steel, SS316L, duplex steel, aluminum bronze, Hastelloy, Uranus B6
- Seat: metal, EPDM, heat-resistant, EPDM, NBR, F4, Vinton
- Stem: 316 stainless steel, 416 stainless steel, duplex steel, hastelloy, Uranus B6



DC系列软密封偏心法兰蝶阀

偏心法兰蝶阀系列 Eccentric Flange Butterfly Valve Series

- 规格 Size: DN100~4000
- 压力 Pressure: PN0.6~2.5MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水、油、气及各种腐蚀性介质
Water, oil, gas, and various corrosion medium
- 结构类型 Structure: 双偏心、三偏心 Double eccentric, three eccentric
- 连接方式 Connection mode: 法兰式 Flange
- 驱动方式 Driving mode: 手动、涡轮传动、气动、电动、液动控制
Manual, gear, pneumatic, electric, hydraulic control
- 连接标准 Connection standard: GB • ANSI • DIN • API • ISO • BS
- 阀体 Body: 球铁、碳钢、不锈钢、铝青铜
Ductile iron, cast steel, stainless steel, bronze
- 阀板 Disc: 球铁、碳钢、不锈钢、钛钢、铝青铜
Ductile iron, cast steel, stainless steel, bronze
- 阀杆 Stem: 不锈钢、双相钢 Stainless steel, duplex steel
- 阀座 Seat: 橡胶、不锈钢、硬质合金、铜合金
Rubber, stainless steel, stellite, copper alloy



DB系列软密封偏心法兰蝶阀



DH系列金属硬密封偏心法兰蝶阀



DR系列镍铬铸铁偏心蝶阀



CHD系列液控蝶阀



DS系列伸缩型法兰蝶阀

- DB系列蝶阀内部无机械（紧固件）连接，具有在线修复功能。
- DC系列n型不锈钢环带镶嵌于阀体上无紧固件连接，阀板密封圈可更换，维护简便。
- DH系列金属的密封阀座无紧固件与阀体固定，阀座密封圈360℃可浮动，不采用石棉或任何有毒的材料部件，更适用于高纯净系统。
- DR系列镍铬铸铁适用于腐蚀性介质如：海水、污水等，密封形式可选。
- CHDB重锤式液控/CHDC蓄能式液控系列液控蝶阀自动化程度高，可就地、远程及联动控制，能采用PLC智能控制系统，实现文本、触摸屏等多种人性化操作界面。
- DB series butterfly valve without internal mechanical (fasteners) connection, with repair function on working pipeline.
- DC series n stainless steel ring inlaid in the valve connection, disc sealing ring can be replaced, and maintenance is very easy.
- DH series of metal seated valve without the fastener fixed with the valve body, valve seat ring of 360 °C can float , without the use of asbestos or any toxic material components, is more suitable for clean system.
- DR series nickel chromium cast iron suitable for corrosive media such as: sea water, sewage, seat seal is optional.
- CHDB weight type /CHDC energy storage type hydraulic valve has a high degree of automation, and can be controlled by local , remote and linkage control,. It also can adopt PLC intelligent control system to realize various operation such as touch screen human interface.



EV2000系列针型调流阀

控制阀系列 Control Valve Series

- 规格 Size: DN150~4000
- 压力 Pressure: PN1.0~6.4MPa
- 温度 Temperature: -20~220℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 连接方式 Connection mode: 法兰式 Flange
- 驱动方式 Driving mode: 电动、涡轮驱动、液控
Electric, gear, hydraulic control
- 连接标准 Connection standard: GB · ANSI · DIN · ISO · BS
- 阀体 Body: 球墨铸铁、碳钢、不锈钢
Ductile iron, WCB, Stainless Steel
- 内部件 Trim: 不锈钢 Stainless steel
- 阀座 Seat: 不锈钢 Stainless steel
- 密封圈 Sealing ring: 橡胶、不锈钢 Rubber, stainless steel



EV3000系列调流阀



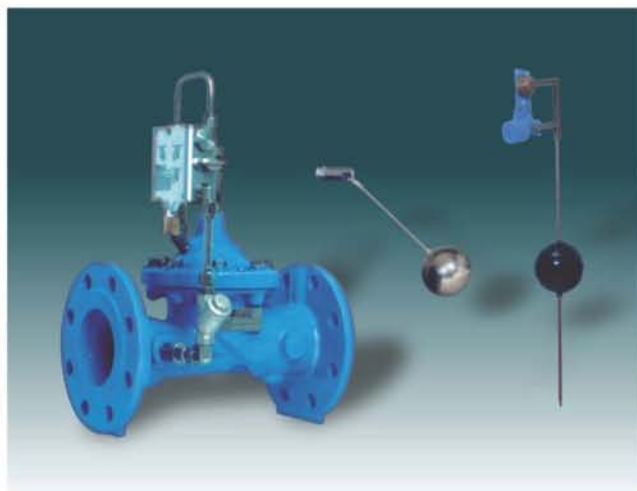
EV3500系列液控球阀



ED3000系列紧急遮断阀

- 应用于天然气、水、空气或其它介质的流量压力调节控制，具有关断阀功能。根据不同配置亦可作为自力式压力泄压阀、止回阀、爆管安全阀。
- 特殊的结构设计，具有优良的线性调节性能。
- 轴对称形流道，流体阻力小，消除气蚀和震动现象。
- 环形内胆设计，有效的高压消能。
- 金属对金属及金属对橡胶双向密封，实现双向零泄漏。
- 节流器结构：扇叶式、鼠笼式、多孔式圆筒、节流环式、锥形调节式。
- 驱动方式：电动，蓄能式驱动、重锤式液控、涡轮传动。
- ED3000：可在爆管的情况下做为紧急关断，避免水源流失，关断行程可调，可选自力式或远程控制。

- Application: widely used in gas, water, air or other media to adjust flow rate and has on-off function. According to the different working condition, it can be used as a self-operated pressure relief valve, check valve, safety valve pipe explosion.
- Special structural design, adjusting performance with excellent linear.
- Stem symmetric structure design and small fluid resistance eliminates corrosion and vibration.
- Metal to metal and metal to rubber, bidirectional seal to make sure zero leakage.
- Throttling device structure: fan type, cage, porous cylinder, throttle ring, conical adjusting type.
- Operation mode: electric, hydraulic control and gear.
- ED3000 : in the emergency of pipe breaking, avoid water loss, turn-off adjustable stroke, optional automatic or remote control.



EU100系列遥控浮球阀 EU106系列水箱高度控制阀
EU100D系列水箱水位差控制阀

EU系列水力控制阀 Hydraulic Control Valve

- 规格 Size: DN50~1200
- 压力 Pressure: PN0.6~2.5MPa
- 温度 Temperature: 0~80℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 连接方式 Connection mode: 法兰式、沟槽式 Flange, groove
- 连接标准 Connection standard: GB · ANSI · DIN · ISO · BS
- 阀体、阀盖 Body, bonnet: 球铁、铸钢、不锈钢
Ductile iron, cast steel, stainless steel
- 阀杆 Stem: 不锈钢、铝青铜 Stainless steel, bronze
- 阀瓣 Valve: 碳钢、不锈钢、球铁
Carbon steel, stainless steel, ductile iron
- 膜片 Diaphragm: NBR
- 活塞 Piston: 球铁 Ductile iron
- 导阀 Pilot valve: 黄铜、不锈钢 Brass, stainless steel
- 导管 Tube: 高强度塑胶管、黄铜、不锈钢
High strength plastic pipe, brass, stainless steel



EU600系列电动开关阀
EU200系列可调式减压阀
EU200D系列比例式减压阀



EU500系列持压、泄压阀
EU506系列快速泄压安全阀



EU900系列过流关闭阀
EU400系列流量控制阀



EU300系列消声缓闭止回阀
EU700系列多功能水泵控制阀

- 控制类型: 隔膜式、活塞式、双腔控制式
- 结构类型: 直通型、角形、Y型
- EU系列水力控制阀以EU主阀体组合不同的功能控制管路, 以达到不同的控制功能, 可在现场改变控制管路, 实现需要的功能。
- 控制调节精确, 动作灵敏度高, 在流量几乎为零时 可以实现精确调节。
- 阀杆两点支撑, 相比于单点支撑, 阀杆稳定性更高, 移动更为顺畅。
- 合理的设计, 确保阀的开启及全开状态下保持极底的水头损失。
- 在压力变化很大且流量很高时保持良好的抗气蚀性能。

- Control: Diaphragm, piston, Double chamber control
- Structure: Diaphragm, Angle type, Y type
- EU series automatic control valve based on EU main valve with different function control tube to achieve control and change for pipeline pressure and flow rate
- Control precision, high sensitivity, when the flow is almost zero, it can realize precise adjustment.
- The stem two supporting design, compared with single point support, the stem is more stability and more smooth movement
- Reasonable design, to ensure that the valve open and fully open state to maintain the very bottom head loss.
- Keep a better anti-corrosion performance during working condition with great pressure and flow rate difference.

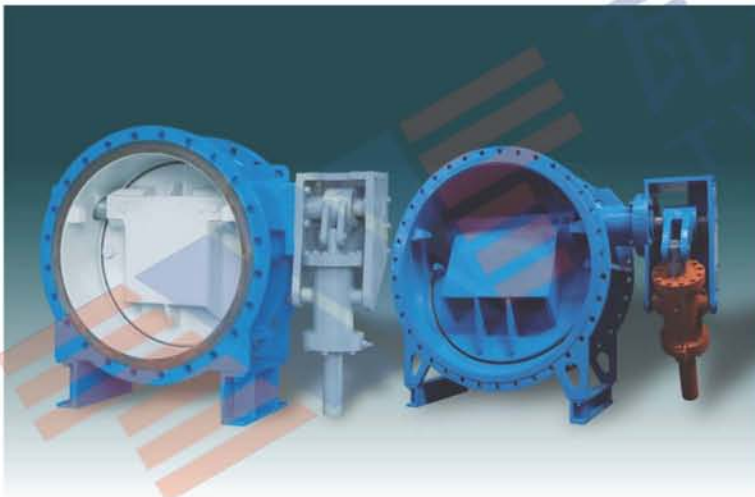


EQ500系列偏心半球阀&EQ700系列旋塞阀

- 偏心结构设计, 降低开启扭力, 减少密封面摩擦, 延长使用寿命。
- 流体阻力小, 其阻力系数与同长度的管段相等。
- 阀芯可选包胶或其它金属硬密封材质, 以应用于不同工况。
- Design of the eccentric structure, reduce the open torque, reduce the sealing surface friction and improve usage life.
- Fluid resistance small, the resistance coefficient is the same with factor of same length pipe
- Optional covered rubber or metal seat make sure the valve to be used in different working condition.

偏心半球阀·旋塞阀系列 Eccentric Hemisphere Valve Plug Valve Series

- 规格 Size: DN50~3000
- 压力 Pressure: PN1.0~10MPa
- 温度 Temperature: -29~425°C
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 连接方式 Connection mode: 法兰式 Flange
- 驱动方式 Driving mode: 电动、涡轮驱动、液控
Electric, gear, hydraulic control
- 连接标准 Connection standard: GB·ANSI·DIN·BS
- 阀体、球体 Body, ball: 球墨铸铁、铸钢、不锈钢
Ductile iron, cast steel, stainless steel
- 密封面 Seat ring: EPDM、NBR、合金渗氮钢、渗氮
不锈钢、耐磨钢 EPDM, NBR, nitriding steel, nitriding
stainless steel, wear-resistant steel, EPDM, NBR



ED2250系列微阻缓闭多功能蝶型止回阀

ED3000系列微阻缓闭斜置式多功能蝶形止回阀

- 体积小、重量轻、结构长度只有旋启式止回阀的三分之一。缓闭系统性能优良, 不受管道中介质的影响, 阀瓣先速关后缓闭, 可防止破坏性水锤。
- 橡胶软密封, 封闭性能好, 耐磨损, 使用寿命长。
- 较之传统止回阀, 流阻小, 有明显的节能效果。
- 冲撞式出油杆双缸控制, 灵敏度更高, 性能更稳定。启闭平稳, 无震动, 无噪音。
- 开启及关闭速度可调, 出厂设置快关70%慢关30%, 有效消除水锤。
- 外置式缓冲机构设计, 100%隔离与管道流体的接触, 避免产生污染。
- 阀板大偏心结构, 大倾斜度密封设计, 阀座斜置, 更低的流阻和更小的压力损失。

蝶形止回阀系列 Butterfly Check Valve Series

- 规格 Size: DN300~2600
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -29~180°C
- 适用介质 Mediums: 水、液体等 Water, oil, gas etc.
- 结构类型 Structure: 垂直式、斜置式 Vertical, tilt
- 连接方式 Connection: 法兰式 Flange
- 连接标准 Connection standard:
GB·ANSI·DIN·ISO·BS
- 阀体、阀板 Body, disc: 球铁、碳钢、不锈钢
Ductile iron, carbon steel, stainless steel
- 阀轴 Stem: 不锈钢 Stainless steel
- 阀座 Seat: 橡胶或不锈钢 Rubber or Stainless steel

- Small size, light weight, face to face is the same with 1/3 dimension of swing check valve excellent performance buffering closing system ,not affected by the medium in the pipeline, first quick speed close then buffering close to prevent the water hammer damage.
- Adopt rubber seal with good seal performance , wear resistance and long service life.
- Compared with the traditional check valve, the flow resistance is small, having obvious energy saving effect.
- Collision type oil rod double cylinder control, higher sensitivity, more stable performance. A smooth opening and closing, no vibration, no noise.
- Adjustable Opening and closing speed, 70% fast closing, 30% slow closing, effectively eliminate the water hammer.
- The design of the external buffer mechanism, 100% isolation pipeline and fluid to avoid pollution.
- The valve plate large eccentric structure, large tilt seal design make sure lower flow resistance and pressure loss.



F700系列双板式止回阀&F770系列对夹式止回阀

止回阀系列 Check Valve Series

- 规格 Size: DN50~1200
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -10~180℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 连接方式 Connection: 法兰式、对夹式 Flange, wafer
- 连接标准 Connection standard:
GB • ANSI • DIN • API • ISO • BS
- 阀体 Body: 球铁、碳钢、不锈钢、铝青铜
Ductile iron, steel, stainless steel, bronze
- 阀板 Disc: 铸铁、球铁、不锈钢、碳钢、橡胶组合件、铝青铜
Cast iron, ductile iron, stainless steel, steel, rubber, bronze
- 弹簧 Spring: 不锈钢 Stainless steel
- 密封圈 Sealing ring: 橡胶、不锈钢 Rubber, stainless steel



F725系列球形止回阀



F730系列旋启式止回阀



F735系列消声止回阀

■F725系列: 完全装配式轭架具有装卸容易的特点, 轨道式球道保证最好的循迹性及密封性。
两件式结构, 确保最大限度的阀帽密封。

■F730系列: 阀瓣90°动作, 具有较好的逆止功能。
不锈钢或青铜内件, 高度耐磨, 密封性能好, 防腐能力强。
橡胶瓣旋启式止回阀为45°开关, 关闭快速无声。

■F735系列: 骨架式橡胶密封圈直接镶嵌在阀体上, 避免了介质长时间对密封圈的直接冲刷, 坚固耐用。
负载弹簧用于快速关闭, 消除逆流冲击和水锤。
不锈钢或青铜内件, 高度耐磨、密封性能好, 防腐能力强。

■F725 series: fully assembled yoke is easy to mount and dismount, track type lane to ensure the best tracking performance and sealing performance.
The track type lane to ensure the best tracking performance and sealing performance.
The two piece structure ensures maximum valve seal.

■F730 Series: The valve 90° on-off operation, good check function.
Stainless steel or bronze trim, high wear resistance, good sealing performance, strong anti-corrosion.
Rubber seated swing check valve is 45° on-off operation, close is quick and silent.

■F735 Series: back type rubber seat inlaid on the valve body avoid medium long time flushing, solid and durable.
Quick close spring can eliminating water hammer shock and countercurrent.
Stainless steel or bronze trim has high wear resistance, good sealing performance, and strong anti-corrosion.



100S • 100V系列角式排泥阀

排泥阀及过滤器系列 Mud Valve And Filter Series

- 规格 Size: DN100~500
- 压力 Pressure: PN0.6~2.5MPa
- 温度 Temperature: 0~80℃
- 介质 Mediums: 水、污水等 Water, sewage etc.
- 结构类型 Structure: 隔膜式、活塞式、Y型
Diaphragm, piston and Y type
- 连接方式 Connection: 法兰式 Flange
- 驱动方式 Driving: 气动、液动 Pneumatic, hydraulic
- 阀体 Body: 铸铁、球铁、碳钢、不锈钢
Cast iron, ductile iron, carbon steel, stainless steel
- 膜片压板、阀盘 Diaphragm plate, disc:
球铁、不锈钢、青铜 Ductile iron, stainless steel, bronze
- 阀杆 Stem: 不锈钢 Stainless steel
- 膜片 Diaphragm: 尼龙强化橡胶 Nylon reinforced rubber



100N系列活塞隔膜排泥阀



JM742X系列池底排泥阀



F900系列Y型过滤器

- 100S气动、100V液动系列: 由尼龙强化橡胶隔膜将阀门分为两腔室, 接通液压或气动源, 采用电动或手动二位四通换向阀控制, 实现快速排泥。
- 100N系列: 内部为尼龙强化橡胶隔膜, 安装方便, 使用寿命长。具有开启快, 关闭压力低等优点, 经由外部液动(气动)控制管路, 集中控制, 主要适用排除水池泥沙及污物。
- JM742X系列: 用双室隔膜传动机构替代活塞式, 启闭速度快, 排泥效果好; 编程PLC控制程序, 可实现远控、自控、集中控制管理; 可实行信号反馈, 在中控室便可了解阀门的开启状况等。
- F900系列: 过滤网的开口尺寸是主体道路尺寸的3倍, 有效减少流阻。
- 高强度不锈钢滤网防止水流冲击变形
- 可选择带有快捷排污开关装置, 方便清理污物。

- 100S, 100N Series: valve is divided into two chambers by diaphragm and connect with hydraulic or pneumatic actuator, using an electric or manual operation with two position, four-way way solenoid piloted valve to drain mud very fast.
- 100N Series: Diaphragm plate is made of internal nylon reinforced rubber convenient installation, long service life. Quick opening, low torque. The valve is operated by hydraulic (pneumatic) control system, centralized control, mainly applicable exclusion pond sediment and dirt.
- JM742X Series: Double chamber diaphragm drive mechanism replacement piston, hoist speed, good mud discharging effect; programming PLC control procedures, can achieve automatic control, remote control, centralized control and management; can implement signal feedback, in the control room can understand the valve opened status.
- F900 Series: Filter size is the main way of opening size of 3 times, effectively reduce the resistance to flow.
- High strength stainless steel mesh to prevent water impact deformation
- Can choose with fast discharge switch device, convenient and clean.



FV250系列复合式排气阀

排气阀系列 Exhaust Valve Series

- 规格 Size: DN25~500
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -20~120℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 结构类型 Structure: 复合式 Composite
- 连接方式 Connection: 法兰式 Flange
- 连接标准 Connection standard: GB · DIN · ISO · BS
- 阀体、阀盖 Body, bonnet: 铸铁、球铁 Cast iron, ductile iron
- 浮球 Ball: 不锈钢 Stainless steel
- 杠杆、活塞 Lever, piston: 不锈钢、锡青铜
Stainless steel, bronze



FV300系列高压复合式排气阀



FV350系列复合式排气阀



FV400系列污水复合式排气阀

- 用于管路上的最高点或有闭气的地方，排除管道的气体来疏通管道，防止管道出现气阻，保障管道出水容量。当管道在运行时出现停电、停泵现象，排、进气阀迅速把空气吸入管内，防止管道出现负压力引起的振动或破裂。
- 当管内开始注水时，阀瓣处于开启的位置，进行大量排气，当空气排完时，阀内充满水，浮球上升并带动阀瓣关闭，停止排气。当管内水正常输送时，如有少量空气聚集在阀内到相当的程度，阀内水位下降，此时空气由小孔排出。当水泵停止时，管内水流空或产生负压，此时塞头迅速开启，吸入空气，确保管线安全。
- 密封材质由青铜或不锈钢材质制成，与柔性三元乙丙胶结合组成。维护周期长，运行成本低。
- 外接排气管（可选）。
- 内外环氧树脂喷涂，高防腐、无毒，符合国际用水标准。

- The highest point for pipeline or gas pipeline of the gas to eliminate local, dredge pipe, prevent the pipeline gas resistance, ensure pipe water capacity. When the pipeline in operation when there is a power outage, stop the pump, inlet valve, exhaust quickly put the air suction pipe, to prevent the pipe negative pressure caused by vibration or rupture.
- When the inner tube water injection, the valve is in the open position, to undertake a large number of exhaust, when the air is exhausted, the valve is filled with water, the floating ball rises and drives the valve closes, stop exhaust. When the water in the pipe of normal delivery, such as a small amount of air accumulation in the valve to a considerable degree, valve water level drops, the air discharged by the small holes. when the pump stops, pipe flow of air or in case of negative pressure, the plug is opened quickly, inhaled air, to ensure that the pipeline safety.
- Sealing material made of bronze or stainless steel material, and the flexible three yuan of ethylene-propylene rubber composition. Long period of maintenance, low operation cost.
- Externally connected exhaust pipe (optional).
- Internal and external epoxy resin coating, high corrosion resistance, non-toxic, in line with the water standard.



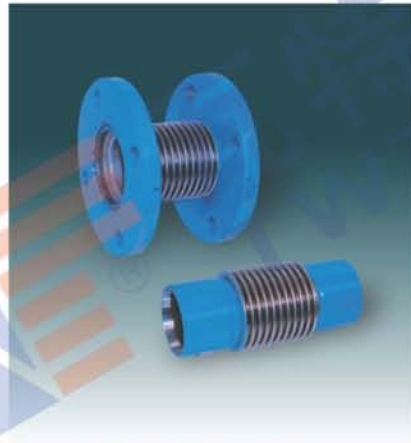
EX900系列球型接头

补偿接头系列 Compensation Joint Series

- 规格 Size: DN25~4000
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 连接方式: 法兰式、焊接式、丝扣式 Flange, welding, screw
- 连接标准 Connection standard: GB · ANSI · DIN · BS
- 本体 压盖 Body, gland: 球铁、碳钢、不锈钢
Ductile iron, carbon steel, stainless steel
- 套筒 限位伸缩管 Sleeve, limit telescopic tube:
碳钢、不锈钢 Carbon steel, stainless steel
- 短管法兰 螺柱 螺母 Pipe flange, bolt, nut:
碳钢、不锈钢 Carbon steel, stainless steel



EX200系列弹性膨胀接头



EX300系列不锈钢波纹管



EX700系列伸缩接头

- EX200系列: 内胶层浑然一体, 光洁无缝痕, 具有耐压高、弹性好、位移量大、平衡管道偏差、吸收振动、降低噪音效果好、安装方便等特点。
- EX300系列: 主要由波纹管、网套和接头或法兰组成。具有耐腐蚀、耐高温、耐低温、重量轻、体积小、柔软性好等特点。
- EX700系列结构形式: AY压盖松套补偿接头、AF法兰松套补偿接头、BY压盖松套限位补偿接头、BF法兰松套限位补偿接头、CF法兰松套传力补偿接头及D型大挠度松套补偿接头等多种形式, 满足不同工况要求。
- 产品结构合理, 密封性能可靠, 安装拆卸方便。
- 在允许的范围内可以自由伸缩, 能补偿管道一定范围内的轴向位移及挠曲、偏心。
- EX900系列: 采用密封采用双密封技术, 实现长期可靠密封; 接头本体能承受1.5倍的公称压力强度, 而不会有渗漏和塑性变形; 具有可以补偿多维方向、形式多样、寿命长、能有效的补偿或消除安装误差等特点。

- EX200 series: inner layer integral whole, smooth and seamless, with high pressure resistance, good elasticity, great displacement, balance pipe deviation, absorbing vibration, noise reduction effect is good, easy to install.
- EX300 series: mainly by the corrugated pipe, sleeve and joint or flange. Are resistant to corrosion, high temperature, low temperature resistance, light weight, small volume, good flexibility etc.
- EX700 series of structural forms: AY gland loose compensation joint, AF flange loose compensation joint, BY gland loose limit compensation joint, BF flange loose limit compensation joint, CF flange loose force compensation joint and the D type large deflection loose compensation joint and other forms, meet the needs of different working condition requirements.
- Product design and reasonable structure, reliable sealing performance, convenient installation and disassembly.
- In the allowed range can be freely telescopic, can compensate the axial displacement of the pipeline within a certain range and deflection, eccentric.
- EX900 series: the use of the seal with double seal technology, to achieve long-term and reliable sealing; joint body can withstand 1.5 times the nominal pressure strength, without leakage and plastic deformation can be compensated; multidimensional direction, formal diversity, long service life, can effectively compensate or eliminate installation error.



ZB系列方闸

ZF系列不锈钢插板闸门

ZM系列圆闸

ZTF系列调节堰门

闸门·拍门系列 Gate, Flapper Gate Series

- 规格 Size: DN200~2200
- 压力 Pressure: PN1.0~1.6MPa
- 温度 Temperature: 0~120℃
- 介质 Mediums: 水、油、浆液 Water, oil, seriflux
- 连接方式 Connection: 法兰式、凸耳式 Flange, lug
- 驱动方式 Driving: 手动、涡轮传动、气动、电动
Manual, gear, pneumatic, electric
- 连接标准 Connection standard: GB · ISO · BS
- 闸板 Gate: 铸铁、球铁、不锈钢
Cast iron, ductile iron, stainless steel
- 导轨 Guide: 铸铁、球铁、不锈钢、锡青铜
Cast iron, ductile iron, stainless steel, bronze
- 楔块 Wedge block: 锡青铜 Bronze
- 密封件 Seal: NBR、EPDM、不锈钢、锡青铜
Stainless steel, bronze



PM1000系列拍门



ZD500系列插板闸阀

- 结构简单，密封性能好，耐磨性强。操作简单，安装方便，使用寿命长。
- FZ系列方形钢板门体加井字型加强筋，确保门体不变形；止水橡胶弹性高、止水效果好、耐腐蚀、抗老化。
- TFZ系列铸铁直动式堰门为硬密封止水，由传动轴带动连杆，使门板作上下摆动，达到调节水位和流量目的。
- BZ, MZ系列：阀体结构强度高、刚性高、耐磨、耐腐蚀性好、承压能力大。
- 楔块楔紧达到密封，密封材料为铜合金或橡胶，并经精密加工后配研，密封性好。
- PM1000系列开关门无需人工施加外力，方便使用，更具节能性；拍门盖上设有拉环，开启角度应大于60度，无卡阻现象，开关自由灵活。
- LZ500系列轻型节材、通道流畅、流阻小，体积小，易拆装。

- Simple structure, good sealing performance, strong wear resistance. simple operation, convenient installation, long service life.
- FZ series of square steel door with - shaped stiffener, ensure that the door body shape; sealing rubber of high elasticity, good sealing effects, corrosion resistance, aging resistance.
- TFZ series cast iron straight moving type weir for hard sealing, driven by a driving shaft connecting rod, so that the door swings up and down, to regulate the water level and flow of.
- BZ, MZ series: valve structure of high strength, high rigidity, abrasion resistance, good corrosion resistance, big bearing capacity.
- Wedge tight to seal, sealing materials for copper alloy or rubber, and by precision machining research, good sealing performance.
- PM1000 series switch door without manual force, convenient use, more energy saving; door cover is provided with a pull ring, the opening angle should be greater than 60 degrees, no blocking, switch freely.
- LZ500 series light material, smooth channel, small flow resistance, small volume, easy disassembly.



Z41X系列软密封明杆闸阀

Z45X系列暗杆软密封闸阀

闸阀系列 Gate Valve Series

- 规格 Size: DN50~1600
- 压力 Pressure: PN1.0~1.6MPa
- 温度 Temperature: -15~120℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 结构类型 Structure: 单闸板、双闸板 Single disc, double disc
- 连接方式 Connection: 法兰式 Flange
- 驱动方式 Driving: 手动、涡轮传动、气动、电动
Manual, gear, pneumatic, electric
- 连接标准 Connection standard: GB · ANSI · DIN · ISO · BS
- 阀体、阀盖、闸板 Body, bonnet, disc: 铸铁、球墨铸铁、铸钢、不锈钢 Cast iron, ductile iron, cast steel, stainless steel
- 阀杆 Stem: 不锈钢 stainless steel
- 密封面 Sealing surface: 铸铝青铜、不锈钢、硬质合金、Bronze, stainless steel, hard alloy NBR、EPDM
- 填料 Packing: O形圈、柔性石墨 O-ring, flexible graphite



Z45T暗杆单闸板闸阀



Z44T明杆双闸板闸阀



WZ445T卧式暗杆单闸板闸阀



Z445T正齿轮传动暗杆单闸板闸阀

- 阀体采用精密铸造，可确保阀门安装和密封性要求。
- 结构紧凑、设计合理、操作扭矩较小，启闭容易。
- 流通面积大，通径平滑过渡，无赃物堆积现象，流通阻力小。
- 介质流向不受限制，不扰流、不降低压力。
- 嵌入式铜螺母使得阀轴与阀瓣成为一体，不会因水流震动造成阀瓣松动和损坏，连接紧固，安全可靠。
- 采用多道O型密封结构，密封可靠，零泄漏，使用寿命长。
- Z45T采用铜和硬质合金密封，耐腐蚀，耐冲刷。
- Z41X、Z45X阀门内外喷涂环氧树脂涂层，闸板包覆橡胶，不污染介质。

- Precision Casting Valve body can ensure valve installation and sealing requirements.
- Compact structure, reasonable design, small operation torque, easy opening and closing.
- Great port, port smooth, no dirt accumulation, small flow resistance.
- Smooth Medium flow, no pressure loss.
- Copper Stem nut make stem and disc wholly contact, no disc loose and damage, connection firm and safety during flow shock.
- O type sealing structure, reliable seal, zero leakage, long usage life.
- Z45T adopts copper and the hard alloy sealing, corrosion resistance and flush resistance.
- Z41X, Z45X series gate valve coated with epoxy resin, disc is covered rubber to avoid medium pollution.



碳钢不锈钢阀门系列 Stainless Steel Valve Series

- 规格 Size: DN15~600
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -29~450°C
- 介质 Mediums: 水、油、气等 Water, Oil, Gas etc.
- 连接方式 Connection: 法兰式、对夹式、焊接式、螺纹式
Flange, wafer, welding, threaded
- 驱动方式 Driving: 手动、涡轮传动、气动、电动
Manual, gear, pneumatic, electric
- 连接标准 Connection standard: GB • ANSI • DIN • API • ISO • BS
- 阀体、阀盖 Body, bonnet: 锻碳钢、碳钢、不锈钢 Forged steel, cast steel, stainless steel
- 阀瓣 Disc: 碳钢、不锈钢 Carbon steel, stainless steel
Hard-faced seat, API Internals No.8 硬面阀座, API内件
- 阀杆 Stem: 不锈钢 stainless steel

T10 • T20 • T30系列锻钢闸阀 • 截止阀 • 止回阀

- 结构紧凑，非常坚固，适用于高压高温应用领域。
- 填料环经过4000psi高压预压缩，具有完整的密封性能。
- Compact and firm structure design is suitable for high pressure and temperature service.
- Precompression Packing under 4000psi has integrated sealing performance.



F450&F570&F650系列闸阀 • 截止阀 • 止回阀



F850&F855&F870系列球阀



F930&F950系列过滤器

- 铸件阀体，具有足够的强度满足工作环境的要求，流体流动不会受到阻碍。
- 焊接装配的阀座环通过密封焊接，消除泄漏通道。
- 阀杆：T形阀瓣-阀杆连接防止施加在阀杆侧面的应力，确保操作平稳顺畅。
- 填料：填料内含防腐剂，避免锈蚀阀杆。深度填料函确保较长的填料使用寿命。
- 阀座环：阀座环经过密封焊接，可消除环后的泄漏通道，延长无故障工作的寿命。
- F850系列：两片式设计、承载防喷阀杆，全通径设计，减少流体阻力。
- F930系列：过滤网的开口尺寸是主体道路尺寸的3倍，有效减少流阻。

- High strength Cast body can meet working conditions, no prevention for medium flow.
- Welded seating ring effectively eliminates pipe leakage.
- Stem: connection of T type disc and stem eliminate force on side of stem to sure valve run smoothly.
- Packing: Packing with corrosion agent avoids stem rusted. Deep Stuffing box guarantees long packing usage life.
- Seat Rings: welded seat effectively eliminate pipeline leakage and longer valve usage life.
- F850: Two-slice design, load-bearing blowout prevention stem, full-bore design, reduced resistance of fluid.
- F950: Opening size of filter net is 3 times of main road size, effectively reduced flow resistance.



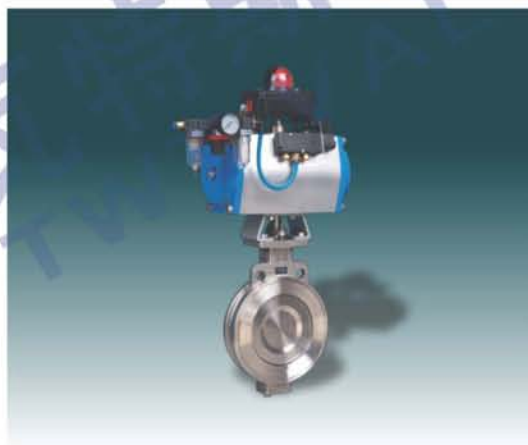
7500系列金属密封蝶阀

金属硬密封蝶阀系列 Metal Seated Butterfly Valve Series

- 规格 Size: DN100~5500
- 压力 Pressure: PN0.6~6.4MPa
- 温度 Temperature: -29~450℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 结构类型 Structure: 偏心结构(双偏心、三偏心)
Eccentric structure (double eccentric, three eccentric)
- 驱动方式 Driving: 手动、涡轮传动、气动、电动
Manual, gear, pneumatic, electric
- 连接标准 Connection standard: GB • ANSI • API
- 阀体、阀板 Body, disc: 碳钢、不锈钢、铬钼钢、合金钢、铝青铜
Carbon steel, stainless steel, chrome molybdenum steel, alloy steel, aluminum bronze
- 阀杆 Stem: 不锈钢、铬钼钢 Stainless steel, chrome molybdenum steel
- 阀座 Seat: 司太立合金、碳化钨、镍合金、不锈钢、蒙乃尔
Satellite, tungsten carbide, nickel alloy, stainless steel, monel



7000系列对夹式金属蝶阀



1000系列高性能耐腐蚀蝶阀

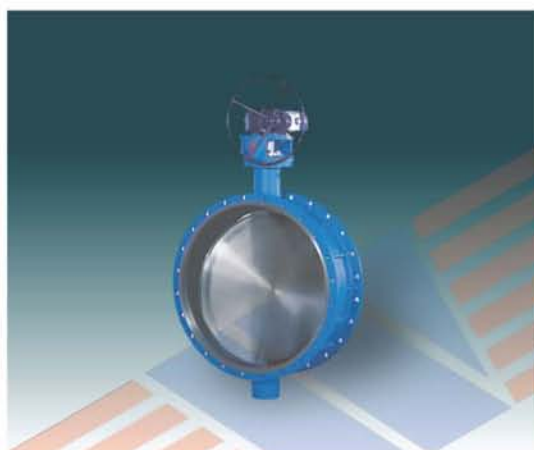
- 阀体类型: 对夹式、凸耳式、法兰式、焊接式
- 密封类型: PTFE、NBR、弹性金属密封、复合金属密封、金属硬密封
- 三偏心设计避免了密封连接面的磨损, 维护密封的完整和高使用寿命。
- 专利弹性金属密封环, 在阀瓣接触密封环时产生均匀压缩, 达到弹性补偿及高性能双向密封。
- 宽角阀座设计避免了阀座和阀瓣密封过度的挤压而产生磨损及变形。
- 阀瓣360°圆形边缘密封轮廓的设计保证了最大流量和相应的百分比控制。
- 实心阀轴为阀瓣提供稳固支撑。
- 可调法兰压盖密封填料, 防止密封填料的不均匀分配, 填料采用TFE(华氏450度)和石墨(华氏900度)
- 阀座采用合金材料进行硬化处理, 能够承受恶劣环境的考验, 阀瓣密封面更耐高温和磨损, 多层次弹性密封可承受528℃的高温性密封。
- 弹性密封符合API598弹性座液体及气体零泄漏密封标准, 确保气密性密封。
- 低成本维护, 自定心阀瓣设计调整温度和热量循环, 使阀瓣不会过紧。受力保护环防止坚硬物质与受力表面接触。
- 防爆裂阀轴设计遵照API609标准, 提高操作人员的安全。
- 开启力矩小, 灵活方便, 省力节能。
- 偏心结构, 直角旋转无摩擦设计, 有效消除开关旋转中阀座与密封圈的摩擦。
- 依靠不锈钢与耐高温的多层次密封圈来实现零泄漏。
- STL一体式硬面阀座满足多种工况要求, 使用寿命长, 维修方便。
- 阀杆防吹出设计, 安全可靠。
- 耐高压、耐腐蚀、耐磨损、使用寿命长。
- 5500系列真空蝶阀可选双蝶板密封结构。
- 6500系列通风蝶阀温度可达750℃。



7700系列法兰式金属蝶阀

金属硬密封蝶阀系列 Metal Seated Butterfly Valve Series

- 规格 Size: DN100~5500
- 压力 Pressure: PN0.6~6.4MPa
- 温度 Temperature: -29~450℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 结构类型 Structure: 偏心结构(双偏心、三偏心)
Eccentric structure(double eccentric, three eccentric)
- 驱动方式 Driving: 手动、涡轮传动、气动、电动
Manual, gear, pneumatic, electric
- 连接标准 Connection standard: GB • ANSI • API
- 阀体、阀板 Body, disc: 碳钢、不锈钢、铬钼钢、合金钢、铝青铜
Carbon steel, stainless steel, chrome molybdenum steel, alloy steel, aluminum bronze
- 阀杆 Stem: 不锈钢、铬钼钢 Stainless steel, chrome molybdenum steel
- 阀座 Seat: 司太立合金、碳化钨、镍合金、不锈钢、蒙乃尔
Satellite, tungsten carbide, nickel alloy, stainless steel, monel



6500系列通风蝶阀



5500系列真空蝶阀

- Valve type : wafer, lug type, flanged, welded
- Seal type: PTFE, NBR, Metal Seal
- Three eccentric design avoids the sealing surface wear, maintenance seal integrity and high service life.
- Patent elastic metal sealing ring generate a uniform compression to make sure high performance bi direction seal and elastic compression.
- Wide angle seat design avoids excessive extrusion of valve seat and valve disc and to avoid abrasion and deformation.
- The design of disc 360° outline ensure maximum flow and corresponding percentage control. Solid valve shaft supply disc steady support.
- Adjustable flange gland packing guarantee packing even distribution, packing adopts TFE (450 degrees Fahrenheit) and graphite (900 degrees Fahrenheit)
- The Alloy seat with harden treatment, can be used in the terrible environment, the disc seal is more resistant to high temperature and wear, multi-level elastic sealing can withstand 528℃ working situation.
- The elastic seal conforms to API598 to sure good seal.
- Low cost maintenance, self-centering disc design can adjust the temperature and the heat cycle to avoid disc excessive crush. Seal ring prevent hard material from contacting forced surface.
- The blowout valve shaft design conforms to the API609 standard, improve the safety of operators.
- Small open torque, flexible and convenient, labor-saving and energy-saving.
- Eccentric structure, no friction angle rotation design, effectively eliminate the switch rotating valve seat and seal friction.
- Relying on the stainless steel and high temperature resistant multilayer sealing ring to achieve zero leakage.
- STL integral hardfaced seat to meet a variety of working conditions, long service life, convenient repair.
- Stem blow-out proof design, safe and reliable.
- High pressure resistance, corrosion resistance, wear resistance, long service life.
- The sealing structure of 5500 series of vacuum butterfly valve optional double butterfly plate.
- 6500 series of ventilation butterfly valve temperature can reach 750℃.



多功能阀门系列 Multi Function Valve Series

GRS2250系列两功能截止过滤器

- 规格 Size: DN15~50
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -20℃~220℃
- 介质 Mediums: 水, 空气, 蒸汽(可选), 油或其他液体
Water, air, steam (optional), oil or other liquids
- 连接标准 Connection standard: BS · ISO · NPT
- 阀体 阀盖 Body, bonnet: 青铜或不锈钢 Bronze or stainless steel
- 过滤网 Screen: 304不锈钢 304 stainless steel
- 阀板 Disc: 304不锈钢, 青铜与特氟龙 304, Bronze and Teflon
- O型圈 O-ring: 硅化树脂 Silicone

- 阀板由特氟龙制成, 密封性能好, 易更换, 使用寿命与管道等同。
- 过滤器采用新型凹型双过滤设计, 防止管内污物回流, 并且安装位置不受限制, 不锈钢过滤网的面积是入口口径的三倍, 流阻小, 耐腐蚀性好, 寿命长。
- 新型硅化树脂“O”型圈具有良好的耐磨及耐高温性能, DN15~25无需特殊工具即可方便拆卸, 可依据不同介质选用不同材质。
- Valve disc is made out of Teflon, with good seated performance and easy replacement. It has long life as well as the pipe.
- Strainer adopts the design of the new concave double filtering in case the particles will turn back to the pipe. The installed position is without any restriction. The screen is made out of stainless steel whose dimension is 3 times of its entrance dimension. It provides excellent corrosion resistance and durability and reduce the resistance.
- The silicon O-Ring enjoys perfect corrosion and can withstand under high heat. Valve with DN15-25 is easy to assemble without special tools and different material can be adapted to different medium.



GRS4450系列两功能阀

- 规格 Size: DN50~300
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -29℃~425℃
- 介质 Mediums: 水, 空气, 蒸汽(可选), 油或其他液体
Water, air, steam (optional), oil or other liquids
- 连接标准 Connection standard: GB · ANSI · DIN · ISO · BS
- 阀体 阀盖 Body, bonnet: 铸铁、球墨铸铁或铸钢 Cast iron, ductile iron or cast steel
- 过滤网 Screen: 304不锈钢 304 Stainless steel
- 阀板 Disc: 青铜+特氟龙 Bronze and Teflon
- 阀座 Seat: 青铜或不锈钢 Bronze or stainless steel

- 阀门带有阀位指示器用于检测其开关状态, 可进行流量调节。
- 过滤网的开启尺寸为入口口径的3倍, 能减少压力损失。
- 在无需拆卸阀盖的情况下, 仍可以清除过滤网里面颗粒杂质。
- 阀杆采用双位支持, 可调节流量平衡。
- Indicator installed on valve is used check on-off specific position and adjust flow rate.
- Opening dimension of screen is 3 times of its entrance dimension to reduce pressure loss.
- Without disassembling valve cover, Screen can be cleaned.
- The stem adopts double position to adjust flow rate balance.

多功能阀门系列

Multi Function Valve Series

BNG4500系列泵用五功能阀

- 规格 Size: DN40~500
- 压力 Pressure: PN1.0~4.0MPa
- 温度 Temperature Range: $\leq 80^{\circ}\text{C}$
- 介质 Mediums: 水、油或其他非腐蚀性液体
Water, oil, or other non corrosive liquid
- 连接标准 Connection standard: GB • ANSI • DIN • ISO • BS
- 阀体 Body: 铸铁、球铁、铸钢 Cast iron, ductile iron, cast steel
- 阀板 Disc: 不锈钢+橡胶 Stainless steel+rubber
- 弹簧 Spring: 304不锈钢 304 stainless steel
- 阀座 Sleeve: 青铜或黄铜 Bronze or brass

- 具有截止阀、消声止回阀、平衡阀、防冻及防真空气滞、信号检测等5种功能。
- 阀座端能被拆分，位于底端的连接部位使得此种阀门的安装及管路对接更容易。
- 内置的旁通阀方便主通路排水，有效防止冻结破坏及泵出口端出现真空负压区。
- 外螺纹连接，利于流量调节。

- It has the same function with globe valve, silent check valve, balance valve. It also have anti-frozen, signal inspection and so on.
- Seat can be dismantled, valve installation and connection of pipeline is very easier.
- By-pass valve makes main pipeline drain easily and protect from freezing and the pump entrance vacuum state.
- External thread connection, in favor of flow regulation.



LGR4450系列角型导流过滤器

- 规格 Size: DN50~400
- 压力 Pressure: PN1.0~4.0MPa
- 温度 Temperature Range: 120°C 可选
- 介质 Mediums: 水、油、气或其他液体
Water, oil, air or other liquids
- 连接标准 Connection standard: GB • ANSI • DIN • ISO • BS
- 开关装置 Switch gear: DN200~DN400蜗轮装置
DN200~DN400 a worm wheel device
- 阀体 阀盖 Body, bonnet: 铸铁、铸钢 Cast iron, cast steel
- 过滤网 Filter net: 304不锈钢 304 stainless steel
- O型圈 O-Ring: EPDM

- 清除管线内部颗粒杂质。
- 重量轻，安装空间小，减少安装及原材料的成本。
- 配备双层过滤网，在管道清洗后，移开外层过滤网即可继续使用。
- 加宽的过滤网开启尺寸有效减低水头损失，流阻趋近于零，具备简单易行的清晰功能。
- 框装安装高度可任意设定，连接时主要的排水装置和测量仪表都可水平或垂直方向安装。

- Removing the pipeline internal impurities.
- Light weight, small installation space, reducing the installation and the cost of raw materials.
- Equipped with double screen, after pipeline cleaning and removing the outer filter, valve can continue to work
- Widening filter mesh size effectively reduce the head loss, flow resistance is close to zero, with simple and clear function.
- Frame mounting height can be arbitrarily set, connected the main drainage device and the measuring instrument can be horizontal or vertical installation.





FT100系列倒流防止器

- 双止回中空设计，中置大膜片具有极高的灵敏度，绝对的防污隔断
- 更低的压力损失和更小的流阻系数
- 更精确的弹簧的张紧力计算确保绝对的防污止回

- Double check hollow design, provided the diaphragm has the advantages of high sensitivity, absolute anti-pollution cut off
- Lower pressure loss and less flow resistance coefficient
- More precise spring tensioning force calculation to ensure absolute anti-fouling check



KT200系列水锤吸纳器

- 水锤吸纳器，是一种用于消除管线中因多种原因造成的水锤冲击波，保护管线及设备不受破坏的装置。利用活塞上腔室中空气的胀缩，使突发的冲击波得到缓冲而缓解了力度，最大程度地避免因巨大的水锤冲击力造成的设备损坏。

- TWT水锤吸纳器采用青铜阀体和真空管、活塞，具有优异的冲击强度，最小的热损耗和耐腐蚀能力。

- Water hammer absorber is a kind of unit for eliminating water-hammer shock wave resulting from different reasons in pipeline to protect pipeline and equipment from damaging. Take advantage of air expansion and shrinkage in upper chamber of piston to buffer sudden shock wave and mitigate strength, and to a great extent prevent equipment damages from giant impulsive force of water hammer.

- TWT water hammer absorber is composed of bronze valve body, vacuum pipe and piston, with excellent shock strength, minimum heat loss and corrosion resistance.

倒流防止器系列 Blackflow Preventer Series

- 规格 Size: DN15~500
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -20~120℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 螺纹端口 Threaded end: ISO · BS · NPT
- 法兰端口 Flanged end: DIN · ANSI · ISO · BS
- 阀体、阀座 Body, Seat: 铸铁、球铁、不锈钢、黄铜
Iron, ductile iron, stainless steel, brass
- 阀瓣 Disc: 碳钢、不锈钢、青铜 Carbon steel, stainless steel, bronze
- 阀杆 Stem: 铝青铜、铬不锈钢 Bronze, chrome stainless steel
- 膜片 Diaphragm: 丁腈橡胶 NBR
- 膜片压板 Diaphragm plate: 碳钢、不锈钢 Carbon steel, stainless steel
- 弹簧 Spring: 不锈钢 stainless steel

水锤吸纳器系列 Water Hammer Absorber Series

- 规格 Size: DN15~200
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: 0~82℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 螺纹端口 Thread ends: ANSI · DIN · ISO · BS · NPT
- 法兰端口 Flanged ends: DIN · ANSI · ISO · BS
- 阀体 法兰 Body, Flange: 不锈钢、黄铜、青铜
Stainless steel, brass, bronze
- O型圈 O-ring: 丁腈橡胶 NBR



T100系列黄铜·青铜闸阀

黄铜、青铜阀门系列 Brass Bronze Valves Series

- 规格 Size: DN15~250
- 压力 Pressure: PN1.0~2.5MPa
- 温度 Temperature: -20~180℃
- 介质 Mediums: 水、油、气等 Water, oil, gas etc.
- 连接方式 Connection mode: 螺纹式 Screw
- 驱动方式 Driving mode: 手动、涡轮传动、气动、电动
Manual, worm drive, pneumatic, electric
- 螺纹端口 Threaded end: ISO · BS · NPT
- 阀体 阀杆 Body, stem: 黄铜、青铜 Brass, bronze
- 阀盖 Bonnet: 锻黄铜、青铜 Forge brass, bronze
- 楔板 Wedge block : Brass黄铜 Bronze青铜

- 青铜阀体和阀帽，具有优异的冲击强度，最小的热损耗和耐腐蚀能力。
- 阀杆采用特氟龙材质填料，有效减少磨损，即使在超低温环境，仍然具有很高的韧度，在阀杆的接触点上具有低摩擦和无磨损的功能。
- The bronze valve body and the valve cap, having excellent impact strength, minimum heat loss and corrosion resistance.
- The valve stem adopts Teflon packing material, reduce wear, even in low temperature environment, still has high toughness, in the stem of the contact point is provided with low friction and wear free function.



T200系列黄铜·青铜截止阀

- 青铜阀座面用于防止磨损，板两面都经过研磨，填料腔光滑均匀。
- 可靠的填料腔，闸板两面都经过研磨，填料腔光滑均匀。
- 熔模铸造青铜填料法兰，对于DN50以上的截止阀，填料法兰都经过高度精密的熔模铸造，具有气密性“无接触”结合性能。
- The bronze valve seat for preventing wear, both sides of disc is grinded, packing chamber uniformly smooth.
- Reliable packing chamber, both of sides of disc is grinded, packing chamber uniformly smooth.
- Cast bronze packing flange, for more than DN50 globe valve, packing flange are highly precision casted to have "contactless" binding properties of air tightness.



T300系列黄铜·青铜止回阀

- 更厚的楔板能够避免在最大压差环境下产生的扭曲，保证阀座的气密性密封。
- 每个阀门都经过阀座气密性、阀壳和填料整体性的压力测试，包括检验操作可靠性的循环测试。
- Thicker wedges can eliminate distortion generated under maximum differential pressure and to provide air-tightness of valve seat.
- Each valve is tested by body pressure, seat pressure and air pressure, shell and packing integrity test including checking for reliability of cycle operation.



T500系列黄铜·青铜球阀

- 引导式球阀保证阀杆工作不会受到高压流体产生的侧面推力的影响。
- 可调式填料密封防喷式青铜阀杆，减轻了相关运动部件的磨损，延长了阀杆填料的使用寿命。阀体端口和阀体为锻造，PTFE聚四氟乙烯阀座，可调整填料螺母。
- The guide valve ball ensure the valve stem not affected by side force caused by high pressure liquid.
- Blowout bronze stem with adjustable packing reduces wear among moving parts and prolongs the service life of valve stem packing. Valve body and cover is forged, PTFE Teflon seat, adjustable packing nut.



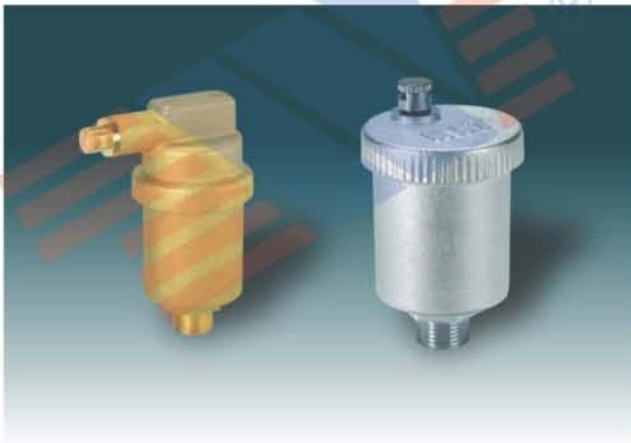
DT200系列青铜减压阀

黄铜、青铜阀门系列 Brass Bronze Valves Series

- 规格 Size: DN15~DN150
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -20~120℃
- 介质 Mediums: 水、油、气等
- 螺纹端口 Threaded end: ISO • BS • NPT
- 法兰端口 Flanged end: DIN • ANSI • ISO • BS
- 阀体、阀帽 Body, Bonnet: 不锈钢、黄铜、青铜
Stainless steel, brass, bronze
- 弹簧 Spring: 不锈钢 Stainless steel

- DT200系列为直接式活塞式减压阀。通过调节弹簧压力设定出口压力、利用膜片传感出口压力的变化，启闭驱动活塞调节主阀节流部位过流面积大小、实现减压功能。
- 全青铜旋塞、不锈钢过滤器，提高了对出口压力变化的传感效能，提高灵敏度，大大降低了因上游压力变化、流量变化等因素引起的压力偏差。精密机械加工的青铜阀体使得阀座部件使用寿命更长。

- DT200 series are direct-acting piston reducing valve to set outlet pressure by adjusting spring pressure, use diaphragm to transmit change of outlet pressure, open and close driving piston to adjust throttle area of throttle section of main valve thus achieve pressure reducing function.
- All-bronze faucet, stainless steel filter improved sense efficiency to outlet pressure change and sensitivity, greatly reduced pressure deviation resulting from changes in upstream pressure and flow rate. Precision machining bronze valve body makes valve seat parts longer in service life.



KT100系列自动排气阀

- 规格 Size: DN10~15
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: 0~82℃
- 介质 Mediums: 气体 Gas
- 螺纹端口 Threaded end: ISO • BS • NPT
- 阀体 Body: 黄铜、青铜 Brass, bronze
- 阀盖 Bonnet: 黄铜、青铜 Brass, bronze
- O型圈 O-ring: NBR

- KT100自动排气阀体积小，排气量大，消除管道气蚀及气滞，可在有限的空间安装。
- 质量可靠，每个排气阀都单独经过严格的生产和质量控制程序(2次排气试验+1次压力试验)。
- 可选择带外接排气口。

- KT100 automatic exhaust valve, small in size and large in exhaust capacity, eliminates air cavitations and blockage of pipeline and can be installed in confined space.
- Reliable in quality, each exhaust valve all independently subject to strict production and quality control procedures (2-time exhaust test + 1 pressure test).
- External exhaust outlet is available for option.

HVAC自控阀系列 HVAC Automatic Control Valve Series

- 规格 Size: DN15~25
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 连接标准 Connection standard: 螺纹Thread DIN2999 • ISO 228
- 阀体 Body: 黄铜、青铜 Brass, bronze
- 阀杆 Stem: 不锈钢 Stainless steel



HV2000系列二通和三通电动开关阀

- 二通常闭及三通型阀体。
- 黄铜锻造或青铜阀体，不锈钢阀杆及弹簧。
- 合成橡胶阀芯，关闭时无气泡。
- 二通常闭型阀门的Kvs值，出厂前设于最大值。
- 执行器可以在阀体安装之后安装。
- 可选择内置复位弹簧。

Two-way normally-closed valve and three-way valve.
Brass forging or bronze valve, stainless steel stem and spring.
Synthetic rubber valve core, no air bubble while on-off.
Kvs value of two-way normally-closed valve, set at the maximum value prior to ex-factory.
Actuator can be installed after installation of valve.
Internal return spring can be used.

- 规格 Size: DN15~100
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -20~100℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 阀体 Body: 黄铜、青铜 Brass, bronze
- 阀杆 Stem: 不锈钢 Stainless steel
- 额定电压 Rated voltage: 24V/230V, 50/60HZ
- 相对湿度 Relative humidity: 5...90%，不结霜 No frost
- 防护等级 Protective grade: IP54
- 使用寿命 Service life: 全程65,000次 65,000 times for whole course
- 阀门特性Characteristic: Equal-Percentage or Linear



HV2650系列调节型电动二通和三通阀

- 等百分比流量特性。Equal percentage flow characteristic.
- 现场可调节常开、常闭的位置。Field controllable normally-closed and normally-open position.
- 断电状态下可手动操作。Can in manual operation under the state of power failure.
- 符合ANSI-IV的渗透规定（CV值的0.01%）。In compliance with penetration provision of ANSI-IV (0.01% of CV value).
- 可与四种执行器连接。Can be connected with four types of actuator.
- 非弹簧复位浮点型，非弹簧复位模拟型。Non-spring-return float type, non-spring-return simulation type.
- 弹簧复位两体控制型、弹簧复位模拟、浮点型。Spring-return two-position control type, spring-return simulation, float type.



HV2100系列电动二通/三通调节阀

- DN15至DN50螺纹连接采用青铜阀体
- PN16、PN25采用球墨铸铁阀体
- 阀门有二通、三通混流及分流阀型号阀杆、阀塞、阀座均采用不锈钢材质弹簧加载
- 自动调节V型圈密封均可配电动和气动执行器
- 对于所有阀门配置，可在生产厂或现场安装带连轴系统的开槽杆使执行器与阀门之间的安装更简单

- Thread connection from DN15 to DN50 are in brass valve
- PN1.6 and PN2.5 are in ductile cast iron valve
- Valves cover two-way, three-way mixing valve and shunt valve; stem, valve plug, valve seat all are of stainless steel and spring loaded
- Automatic-control V-type seal can be provided with electric and pneumatic actuator
- For all valve configurations, gouging rod with coupling system can be installed at manufacturing factory or at site to make connection between actuator and valve more simple

HVAC自控阀系列 HVAC Automatic Control Valve Series

- 规格 Size: DN15~200
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水、蒸汽(可选)或其他液体
Water, steam (optional) and other liquids
- 连接标准 Connection standard: TE320F 法兰 Flange DIN2501 · ISO7005 螺纹 Thread DIN2999 · ISO228
- 阀体 Body: 球铁、青铜、黄铜 Ductile iron, bronze, brass
- 阀杆 Stem: 不锈钢 Stainless steel
- 阀门特性 Characteristics: 等百分比或线性调节
Equal-Percentage or Linear



ATD2720 & ATD4270F系列动态平衡电动调节阀

- 集动态压差平衡阀及电动调节阀的功能为一体，在变流量系统中，调节快速准确，结构紧凑，使用寿命长，安装简便，减少能源消耗。动态平衡电动调节阀与楼宇自控系统相连，进行系统调节。动态平衡电动两通阀根据设计流量在工厂定制，与标准的房间温控器连接，免调试。
- Integrate dynamic differential pressure balancing valve and electric control valve into one; in variable flow system, it is rapid and accurate in control, compact in construction, long in service life, simple in installation and can reduce energy consumption. Dynamic-balance electric control valve is connected with building automatic control system to achieve system control and regulation. Dynamic-balance electric two-way valve can be customized at factory per design flow rate, connected with standard room temperature controller, debugging-free.

- 规格 Size: DN15~200
- 压力 Pressure: PN1.6~2.5MPa.
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 连接标准 Connection standard: TE320F 法兰 Flange DIN2501 · ISO7005 · GB9113 螺纹 Thread DIN2999 · ISO228
- 结构长度 Structural length: EN558-1 BS2080 ISO5752
- 阀体 Body: 球墨铸铁、青铜 Ductile iron, bronze
- 密封材质 Sealing material: NBR, PTFE
- 阀门特性 Characteristics: Equal-Percentage or Linear

HVAC自控阀系列

HVAC Automatic Control Valve Series

- 规格 Size: DN15~600
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -20~120℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 连接标准 Connection standard: TE320F 法兰 Flange ANSI • DIN2501 • ISO7005 • GB9113 螺纹 Thread DIN2999 • ISO228
- 结构长度 Strucural length: EN558-1 BS2080 ISO5752
- 阀体可选材质 Materials for option: 铸铁、球墨铸铁、青铜 Cast iron, ductile cast iron, bronze
- 密封材质 Sealing material: PTFE NBR



DT210 & DT250F系列静态平衡阀

- 静态水力平衡联调，保证系统调式后末端设备的流量同时达到设计流量，系统能均衡的输送足够的水量到各个末端设备。首先将系统分解成一个多级的多个并联子系统，然后按照从末端到主机的顺序，对各个并联子系统按照一定的步骤进行调节，使其各支路流量比与设计要求流量比值一致，最后调整系统主管的流量至设计总流量，这时系统中各个末端设备的流量同时达到设计流量。
- Static hydraulic balancing combined adjusting can ensure flow rate of terminal equipment after system debugging to be up to design flow rate, system can uniformly deliver sufficient water to different terminal equipment. First, system is divided into a multi-level subsystem in parallel, and then adjust is performed for each subsystem in parallel from the terminal equipment to host machine to make flow ratio of each branch is identical to design flow ratio, finally adjust flow rate of main pipe to total design flow rate; and here flow rate of different terminal equipment in system reach design flow rate at the same time.

- 
- 规格 Size: DN15~600
 - 压力 Pressure: PN1.6~2.5MPa
 - 温度 Temperature: -10~120℃
 - 介质 Mediums: 水或其他液体 Water or other liquids
 - 连接标准 Connection standard: TE320F 法兰 Flange ANSI • GB9113 螺纹 Thread DIN2229 • ISO228
 - 结构长度 Strucural length: EN558-1 BS2080 ISO5752
 - 阀体、阀盖 Body, Bonnet: 球铁、青铜 Ductile cast iron, Bronze
 - 密封材质 Sealing material: NBR PTFE



TE370 & TE320系列动态定流量平衡阀

- 动态自动定量平衡可以在水泵的任意转速下以较低的阻力损失获得设计流量，保持终端部件就不会超过设计的流量，自动平衡系统的精确性高，节省系统能源消耗，节省安装空间，免人工平衡调试。动态自动定流量平衡阀是在一定的压差范围能提供设计流量和固定流量，起到分配流量和限制最大流量的作用。动态流量平衡阀的流量在出厂前根据系统流量进行定制，现场不需要进行任何调试。
- Dynamic automatic quantitative balance can achieve design flow rate under random revolution of water pump in lower resistance loss and maintain terminal components will not exceed design flow rate; automatic balancing system is high accuracy and can save energy consumption of system and installation space, and free of manual balance debugging. Dynamic automatic quantitative balancing valve is able to provide design flow rate and fixed flow rate within a certain differential pressure range and play an action in distributing flow and limiting maximum flow. Flow rate of dynamic automatic quantitative balancing valve is customized based on system flow rate prior to ex-factory and does not request any debugging at jobsite.



GTD1000 & GTD2000系列流量平衡阀

HVAC自控阀系列 HVAC Automatic Control Valve Series

- 规格 Size: DN25~300
- 压力 Pressure: PN1.6~2.5MPa
- 温度 Temperature: -10~120℃
- 介质 Mediums: 水或其他液体介质
Water or other liquids
- 连接标准 Connection standard:
法兰 Flange DIN2501 • ISO7005
螺纹 Thread DIN2999 • ISO228
- 阀体 Body: 球墨铸铁、青铜
Ductile cast iron, bronze
- 密封材质 Sealing material: NBR PTFE

- 高效的压缩式设计，部件精巧：静音设计密封的腔室，导入管线流体和压力。压力的变化将精确定位阀杆总成，易于操作。
- Efficient design-S diaphragm actuated, hydraulically operated. This creates a sealed chamber into which line fluid and pressure is introduced. Varying the amount of pressure accurately positions the stem assembly to open, close or modulate the valve as required.



VT315系列机械式压差传感器
SD900系列压差旁通阀·温控旁通阀

- 规格 Size: DN50~DN600
- 压力 Pressure: DIN PN1.6~2.5
- 温度 Temperature: -10℃~120℃
- 刻度范围 Scale range: 8~60PSI (5.5 to 14Kpa)
- 阀体 Body: 铸铁, 球墨铸铁 Cast iron, ductile cast iron
- 阀座 Seat: EPDM NBR
- 阀瓣 Disc: 球墨铸铁、不锈钢 Nodular cast iron, stainless steel
- 最大允许差压力 Maximum differential pressure: 120PSI(830Kpa)
- 定位信号 Framing signal: DC 0~10V DC 4~20mA
- 电子定位器 Electronic position indicator : 4-20MA / 0~10DC
- 位置反馈信号 Position feed back signal: DC0-10 Dc4~20mA
- 防护等级 Degree of protection: IP64



SA1000系列自力式压差旁通阀

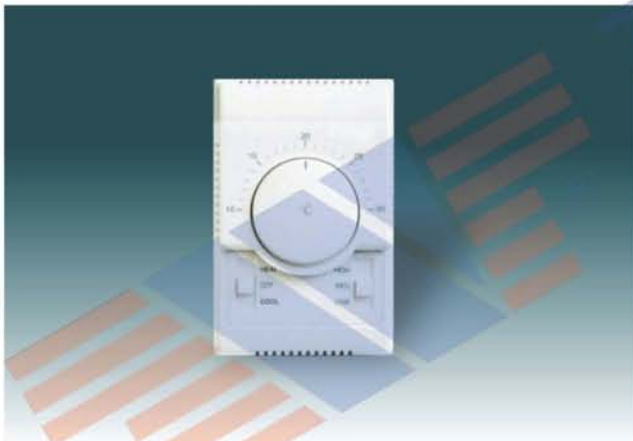
- 规格 Size: DN50压力
- 压力 Pressure: DIN Pn1.6~2.5~DN1200
- 温度 Temperature: -10℃~120℃
- 介质 Mediums: 水或其他液体 Water or other liquids
- 连接方式 Connection: 法兰 Flange
- 连接标准 Connection standard: GB • ANSI • DIN • ISO • BS
- 阀体、阀盖 Body, Body: 球铁、不锈钢、铜
Ductile iron, stainless steel, bronze
- 阀杆 阀座 导向杆 弹簧 Bonnet, Seat, Indicating rod, Spring:
不锈钢 Stainless steel
- 隔膜蝶板 Diaphragm discs: 不锈钢、碳钢 Stainless steel, carbon steel
- 启动压力 Startup pressure: 不低于0.3Kg / cm Not less than 0.3Kg/cm

HVAC自控阀系列 HVAC Automatic Control Valve Series

- 设定温度 Set temperature: 10°C~40°C
- 环境温度 Ambient temperature: 0°C~50°C
- 三端双向可控硅元件输出
Three-end bi-directional silicon controlled element output
- 最大负载 0.5A maximum load is 0.5A
- 传感器 NTC10K Sensor NTC10K
- 比例带可调节备用设定值
Proportion-zone controllable spare set value



VT210系列开关型控制器



VT205系列机械式控制面板

- 设定温度: 10°C~40°C
- 环境温度: 0°C~50°C
- 手动进行供冷或供热转换
- 机械式充气膜盒感温, 精确控制房间温度 $\pm 1^\circ\text{C}$
- 适用范围: 冷暖二管制
- 适用阀体: 二线式电动阀
- 三线式电动阀、风阀

- Set temperature: 10°C~40°C
- Ambient temperature: 0°C~50°C
- Switchover between cool supply or heat supply is achieved manually.
- Mechanical air-filled diaphragm thermal detecting, accurately control room temperature $\pm 1^\circ\text{C}$
- Applicable scope: Cool-hot two-pipe system
- Applicable valve: Two-wire electrically operated valve
- Three-wire electrically operation valve, air valve



VT220系列电子式控制面板 VT270系列调节型控制器

- 设定温度0°C~30°C, 环境温度0°C~50°C
- 冷暖气双色(红/绿)LED灯显示手动进行冷暖、风速转换感测元件:
NTC25°C / $10\pm 1\%$
- 适用范围: 冷暖二管制
- 适用阀体: 二线式电动阀
- 三线式电动阀

- Set temperature 10°C~30°C: ambient temperature 0°C~50°C
- Cool-hot air dual-color(red / green)LED light display, manually switch cool&thermal and wind speed sensing elements
- Applicable range: cool-hot two-pipe system
- Applicable valve: Two-wire electrically operated valve
- Three-wire electrically operation valve



FF600系列衬里止回阀

耐腐蚀阀门系列 Corrosion Resistant Valve Series

- 规格 Size: DN50~1200
- 压力 Pressure: PN0.6~4.0MPa
- 温度 Temperature: -29℃~200℃
- 介质 Mediums: 腐蚀性介质
- 连接方式 Connection mode: 法兰 Flange
- 连接标准 Connection standard:
GB • ANSI • ISO • BS • API
- 阀体 Body: 碳钢、铸铁、不锈钢
WCB Cast iron, stainless steel
- 阀芯材质 spool: 球铁、铸钢、不锈钢
Nodular cast iron, cast steel, stainless steel
- 驱动方式 Driving mode: 手动、涡轮、电动、气动
Manual, gear, pneumatic, electric
- 衬里 Lining: PTFE、FEP、PCTFE、PVDF、PFA、PO



FF100系列衬里闸阀



FF200衬里截止阀



FF300系列衬里隔膜阀

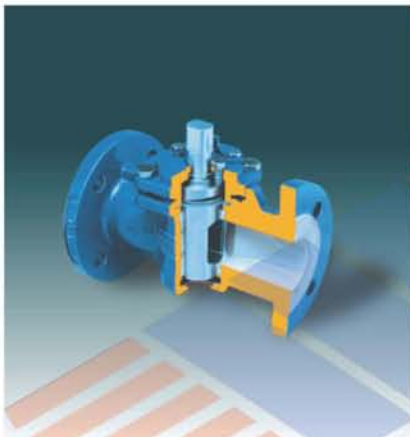
- 内衬设计，摩擦系数小，启闭力矩低，密封效果好，可大幅提高阀门使用寿命。
- 采用全新工艺，确保衬里厚度均匀，具备高强度的附着力。
- 具有极高的回弹性和最小的变形量。
- 耐腐蚀性强，其耐腐蚀性能比普通不锈钢阀门约提高10~20倍。
- 优良的材料，既有很好的防污及防沾性，也具有自洁性能。
- 阀杆采用三道密封，确保不发生外漏。
- 可调法兰压盖密封填料，防止密封填料的不均匀分配。
- 防爆裂阀轴设计遵照API609标准，提高操作人员的安全。
- 开启力矩小，灵活方便，省力节能。
- 阀杆防吹出设计，安全可靠。
- 耐高压、耐腐蚀、耐磨损、使用寿命长。
- 实心阀轴为阀瓣提供稳固支撑。
- 阀门内部全衬FEP（或PTFE、PFA、PCTFE、PPL）等，具有极高的化学稳定性，可适用于除“熔融碱金属和元素氟”以外的任何强腐蚀介质，适应多种工况需要。
- 多种衬里类型，可选择全衬式耐腐蚀材料或半衬式耐腐蚀材料。
- 蝶阀类型请参照609F系列衬里蝶阀，多种结构可供选择。



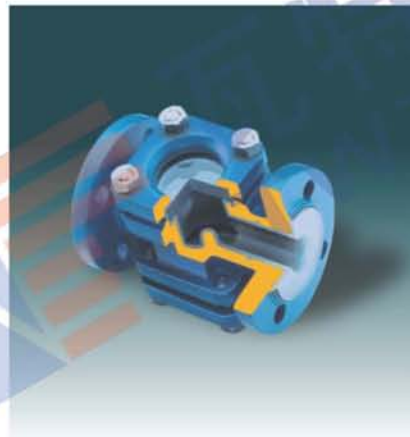
FF400系列衬里球阀

耐腐蚀阀门系列 Corrosion Resistant Valve Series

- 规格 Size: DN50~1200
- 压力 Pressure: PN0.6~4.0MPa
- 温度 Temperature: -29℃~200℃
- 介质 Mediums: 腐蚀性介质
- 连接方式 Connection mode: 法兰 Flange
- 连接标准 Connection standard:
GB • ANSI • ISO • BS • API
- 阀体 Body : 碳钢、 铸铁、 不锈钢
WCB Cast iron, stainless steel
- 阀芯材质 spool: 球铁、 铸钢、 不锈钢
Nodular cast iron, cast steel, stainless steel
- 驱动方式 Driving mode: 手动、 涡轮、 电动、 气动
Manual, gear, pneumatic, electric
- 衬里 Lining: PTFE、 FEP、 PCTFE、 PVDF、 PFA、 PO



FF500系列衬里旋塞阀



FF700系列衬里视镜



FF800系列衬里过滤器

- Lining design, small friction coefficient, the opening and closing torque is low, good sealing effect, can greatly increase the service life of the valve.
- Using new technology ensure the lining thickness uniformity, high strength of adhesion. High resilience and minimum deformation.
- Strong corrosion resistance, the corrosion resistance increased about 10~20 times than ordinary stainless steel valves.
- Excellent material not only has anti-prevention and anti-stick but also has a good self-cleaning performance
- Stem with three sealing ensure no leakage.
- Adjustable flange gland packing prevent packing from uneven distribution
- The blowout shaft design conforms to the API609 standard, improve the safety of operators.
- Small open torque, flexible and convenient, labor-saving and energy-saving.
- Stem blow-out proof design, safe and reliable.
- High pressure resistance, corrosion resistance, wear resistance, long service life.
- Solid valve shaft valve provide steady support.
- Valve internal lining FEP (or PTFE, PFA, PCTFE, PPL), with high chemical stability, can be applied to any strong corrosive medium, in addition to "molten alkali metals and elemental fluorine", adapts to various working situation.
- Lining can choose the whole lining anti-corrosion material , half lining anti-corrosion material.
- Butterfly valve type, please refer to 609F series lined butterfly valve. More valve structure is optional.



理性阀门专家
A LEADER IN VALVE TECHNOLOGY

天津塘沽瓦特斯阀门有限公司
TIANJIN TANGGU TWT VALVE CO., LTD.

地址：天津市滨海新区塘沽国家海洋高新技术园区金江路1999号 300451

Add : No. 1999 Jinjiang Rd., TMHT, Tanggu district, Binhai New Area, Tianjin 300451, China

Tel : 86-22-65728888 65727777

Fax : 86-22-65727733

Email: service@twvalve.com

欲想了解更多关于TWT阀门产品或订购，请参阅当地的分销商或致电工厂。
TWT公司保留在设计、材质、尺寸及规格等方面改进的权利，恕不另行通知。
Please consult local agent or contract with our factory directly if you have any question or ordering.
TWT will retain the rights of improving in design, material, dimensions and sizes.
No information about these improvements is specially notified.

DN 3600整体铸造蝶阀——中国最大输水管线上海青草沙工程

Dn3600 integral casting butterfly valve-Shanghai Qingcao Sand project , the longest water pipeline in China



2009年3月，在上海青草沙水渠地原水工程严桥支线项目以及五号沟泵站工程项目中，瓦特斯提供国内最大口径球墨铸铁法兰蝶阀（DN3600）及其他口径的阀门共2600台，其阀瓣上的橡胶密封圈可以在线更换，大大节约了用户在使用过程中维护保养的工作量，有效使用寿命可达50年。

In March 2009, in the Yanqiao Branch and water intake pump station engineer of Shanghai Qingcaosha water source raw water project, TWT offers 2600 sets of the largest diameter ductile cast iron flanged butterfly valve (DN3600) in domestic and other diameter valves, the rubber seated ring of disc can replace online, it can greatly reduce the maintenance's workload in the using process and the valid acceptable period can be up to 50 years.

西南地区最大污水处理工程——成都市新建污水处理厂

The largest sewage treatment project-Chengdu city new sewage treatment factory



2011年9月国内最大的污水处理工程成都市新建污水处理厂(一、二厂迁建)工程在国内进行公开招标, 该工程总规模100万m³/d。瓦特斯阀门为其提供阀门、闸门、伸缩接头等共1958台。

In September 2011, the largest domestic project of Chengdu new Sewage treatment plant (the first and the second plants' removal project) project in domestic public bidding, the total scale of project is 1 million m³/d. TWT provide products' total amount is 1958 sets, such as valve, sluice gate and adjustable connector etc.



闻名世界的中国南水北调工程

The world famous China south to north water transferred project.

在我国举世闻名的南水北调工程中, 瓦特斯阀门成为北京市通州段、天津市南水北调滨海新区中线供水工程和河南省南水北调受水区平顶山段等项目的阀门供应商, 供应DN2600电动法兰蝶阀、DN1800调流阀、DN300防水锤排气阀等新型产品数千台。

In our country is famous in the world of South to North Water Diversion Project, Watts valve become Beijing City TongZhou section, Tianjin City South North transfer midline water supply project in Binhai New Area and Henan Province of South to North Water Transfer Project transferring from water district of Pingdingshan section and other projects the valve supplier and supply DN2600 electric flanged butterfly valve, DN1800 flow adjusting valve, DN300 water hammer exhaust valve and other new product thousands.

雅鲁藏布江藏木水电站

Yarlung Zangbo Jiangzang Hydroelectric power station



雅鲁藏布江藏木水电站是由中国华能集团公司投资，建设和运营，设计年发电量25亿千瓦时，是西藏第一座大型水电站，采用我公司开发的调流阀等产品。

Brahmaputra hydropower Tibetan wood is composed of Chinese Huaneng Group investment, construction and operation, designed annual generating capacity of 2 billion 500 million kwh, is Tibet's first large-scale hydropower station, the regulating valve developed by our company and other products.

国内最大口径的双向密封金属硬密封蝶阀使用项目

Domestic most huge size flange double metal-seated sealing butterfly valve project



2011年6月，在太仓市应急水源取水输水泵站工程中，成为1、2标段的阀门供应商，提供DN1400-DN1800蝶式斜置密封缓冲止回阀及DN1400-DN2600金属硬密封蝶阀等多台。

In June 2011, TWT as the valve supplier of Taicang emergency water resources take and delivery water pumping station project the first and second sections provides DN1400-DN1800 butterfly slant seated buffering check valve and DN1400-DN2600 metal seated butterfly valve etc.

海水专用镍铬铸铁阀门——翔鹭石化

Nickel-chromium cast iron valve for seawater - Xianglu Petrochemical



2011年7月，在翔鹭石化(漳州)有限公司177套海水电动阀买卖项目中，瓦特斯提供液控海水止回蝶阀DN1600-1800、电动蝶阀DN700-2700等177套。

In July 2011, TWT provide 177 sets of the hydraulic control seawater check butterfly valve DN1600-1800 and electric butterfly valve DN700-2700 etc. In the business project of seawater electric valve 177 sets with Zhangzhou Xianglu petrification Co., Ltd.

山东水利建设史上奇迹工程:黄水东调,使用多台DN2400调流阀等大口径阀门

A miracle in the Shandong water engineering history-yellow river water transferred to the east, many DN2400 regulating valves etc used



由水发集团黄水东调工程有限公司投资、建设的“山东省黄水东调应急工程”，一期工程总投资33.89亿，累计调水1400万方。二期工程总投资31.14亿，管线全长56.4km，设计流量15m³/s；建成后每年运行243天，年供水量为3.15亿立方米。瓦特斯在一、二期工程中提供了超大口径调流阀、偏心半球阀、蝶阀、闸阀、排气阀、伸缩节等产品数千台产品。

The "Shandong Province Huangshui transferred to east emergency project" invested by Shuifa Group Huangshui East Transfer Engineering Co., Ltd., A total investment of 3.389 billion in the first phase ,a total water transfer up to 14 million square meters. The total investment of the second phase project is 3.114 billion, the pipeline length is 56.4km, the design flow is 15m³/s, and it runs 243 days per year after completion. The annual water supply amount is 315 million square meters.In the first and second phases, TWT provided thousands of valve products including superly large size regulating valves, eccentric hemispherical valves, butterfly valves, gate valves, air release valves and telescopic joints.

无锡市自来水总公司南泉水源厂

Wuxi Water Supply Corporation Nanquan Water Source Factory



在无锡市自来水总公司南泉水源厂预处理工程项目中，本公司为其提供DN1200-DN2000的双向金属硬密封蝶阀多台。

Our company supplied Many pieces DN1200-DN 2000 bilateral direction metal sealed butterfly valve For water treatment project.

徐州市骆马湖水源地及第二地面水厂工程，使用约300台复合排气阀

About 300 composite exhaust valves for the Luoma Lake water source and the second surface water plant project in Xuzhou City



徐州市骆马湖水源地及第二地面水厂工程是徐州市2014年重大基础设施九大工程之一，该工程采用我公司以复合式排气阀为代表的数百台新产品。

Xuzhou City of Luoma Lake water source, and a second groundwater project is one of Xuzhou City 2014 major infrastructure nine projects, the project by my company to composite exhaust valve for representatives of the hundreds of new products.

天津一汽大众基地西部雨水泵站——DN2400整体铸造蝶形缓闭止回阀

Tianjin FAW Volkswagen Base Western Rainwater Pump Station - DN2400 integral casting butterfly slow-closing check valve



该雨水泵站使用本公司多台蝶形缓闭止回阀，产品质量获得用户的高度认可。

The rainwater pumping station uses many butterfly-shaped slow-closing check valves of the company, and the product quality has been highly recognized by users.



海南省洋浦第二原水管线工程

Hainan province Yangpu second pipeline project

洋浦第二原水管线工程是海南省重点工程，采用我公司液控蝶阀、调流阀、复合排气阀，偏心半球阀等产品。

Yangpu second raw water line project is a key project in Hainan Province, the company hydraulic control butterfly valve. regulating valve, compound exhaust valves, eccentric semi ball valve products.

上海浦东国际机场

Shanghai Pudong International airport



该机场采用了本公司产品，手动、电动对夹蝶阀、法兰蝶阀、止回阀。口径:DN250-DN700等不同类型的蝶阀700多台。

Shanghai Pudong International Airport. The airport adopted more than 700 pieces different valve including lever, electric butterfly valve and check valve with size from DN250-DN700mm.

上海商业大飞机总装基地

Shanghai Commercial Aircraft



上海商业大飞机总装基地是国家重点发展项目的核心组成部分，采用我公司的自动放气阀、蜗轮偏心蝶阀、水力控制阀、可调式减压阀等产品。

Shanghai commercial large aircraft assembly base is the core component of the national key development project, the use of my company's automatic air release valve, worm gear eccentric butterfly valve, hydraulic control valve, adjustable pressure reducing valves and other products.