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The valve expert of full set engineering



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Better Kaifeng valves, Better made in China

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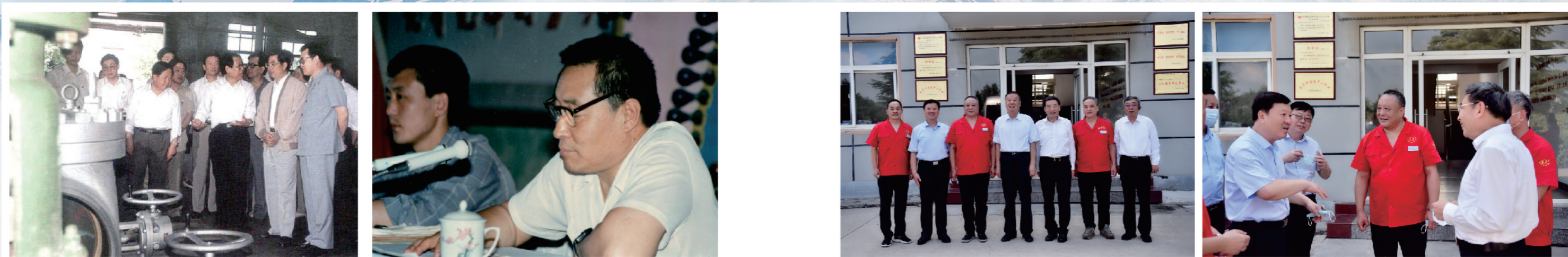


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开高工业技术集团
Kai Gao Industrial Technology Group
开封高中压阀门有限公司
Kaifeng High & Middle Pressure Valves Co.,Ltd.

党和国家领导人 —— 开封阀门 Party and state leaders —— Kaifeng valve



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公司简介 Company Profile

开封高中压阀门有限公司

开封高中压阀门有限公司是中国通用机械协会、阀门协会的理事单位，拥有国家特种设备制造许可认证；ISO9001质量保证体系认证；ISO14001环境管理体系认证；ISO45001职业健康安全管理体系认证；美国石油学会API6A/6D质量认证；欧盟CE产品及材料认证；持有国家核电公司合格承包商资质证书，是高温高压和特种阀门的主要制造商。

公司拥有一批国内专业从事阀门及材料研究的高级技术人员，始终致力于电力、石化、煤化工、冶金等领域的高温高压特种阀门和石油钻采高压井口的产品研发。不仅有着丰富的设计、制造和现场调试经验，而且也利用专业技术人才密集的优势，为用户提供技术咨询、系统改造、设备维修等服务。公司拥有一批训练有素的员工队伍，并具有高效率的经营运作模式。公司在阀门市场上一直享有盛誉。

Kaifeng High & Middle Pressure Valve Co.,Ltd.

Kaifeng High & Medium Pressure Valve Co., Ltd. is the governing company of China General Machinery Association and Valve Association. KA has national special equipment manufacturing license certification, ISO9001 Quality Assurance System Certification, ISO14001 Environmental Management System Certification, ISO45001 Occupational Health and Safety Management System Certification, American Petroleum Institute API6A/6D Quality Certification, European Union CE Product and Material Certification, National Nuclear Power Corporation Qualified contractor and possess Qualification Certification. KA is a leading manufacturer of high temperature, high pressure and special valves.

KA has a group of domestic professionals engaged in valves and materials research, all professionals always committed to the product research and development of high temperature and high pressure of special valves in the fields of electric power, petrochemical, coal chemical, metallurgy and other fields, etc. KA not only has experience in design, manufacturing and on site commissioning, but also takes advantage of the dense professional and technical personnel to provide users with technical consultation, system transformation, equipment maintenance and other services. KA has a group of well trained employees with an efficient operation mode. KA has a high reputation in the valve market.



公司资质 Company Qualification



营业执照
Corporate business license



开户许可证
Account opening permit



API6D 证书
API6D Certificate



质量管理体系认证证书
QMS Certificate



环境管理体系认证证书
EMS Certificate



职业健康安全管理体系认证证书
OH&SMS Certificate



质量管理体系认证证书
QMS Certificate



环境管理体系认证证书
EMS Certificate



职业健康安全管理体系认证证书
OH&SMS Certificate

公司资质 Company Qualification



TS证书
TS Certificate



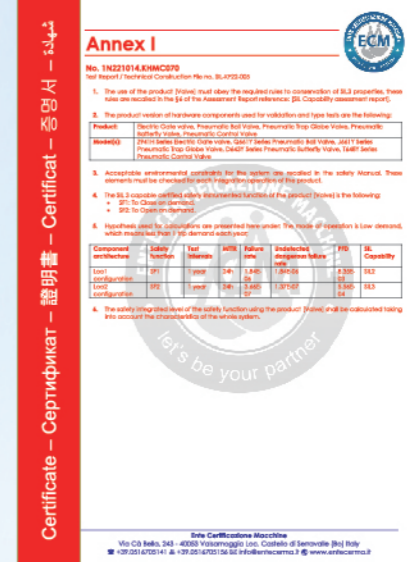
TS证书
TS Certificate



CE认证证书
CE Certificate



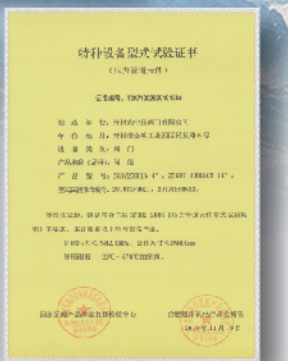
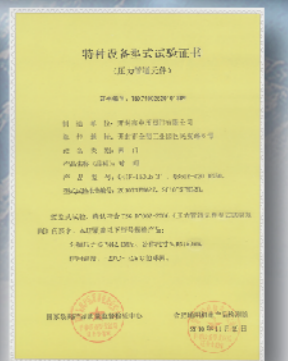
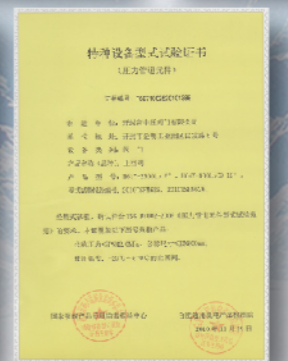
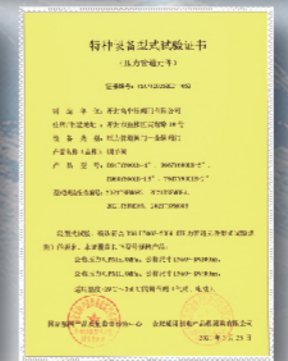
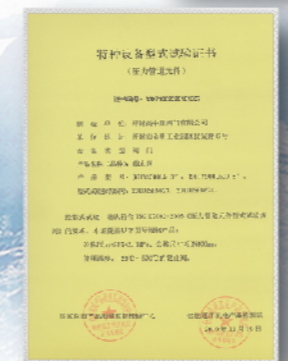
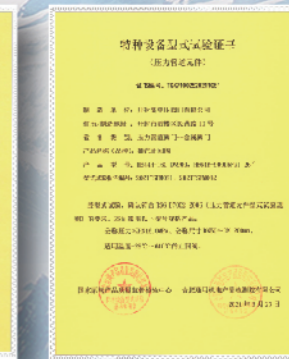
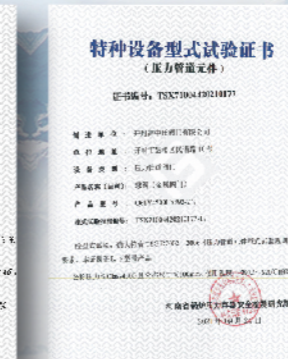
安全认证证书
Safety certificate



特种设备型式试验报告 Type test certificate for special report



QES 认证证书
QES Certificate



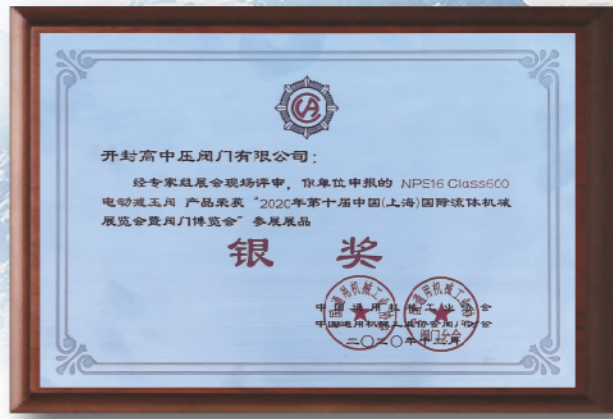
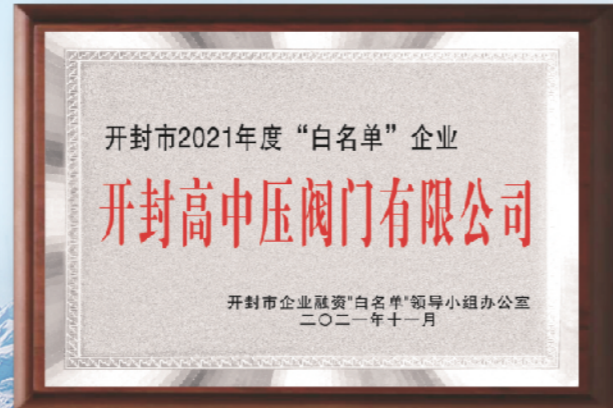
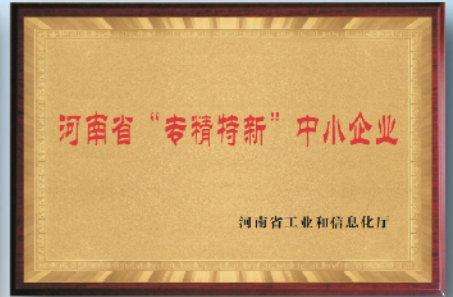
公司资质 Company Qualification



专利证书 Letter patent



C 公司荣誉 Company Honor



T 技术创新

Technological innovation

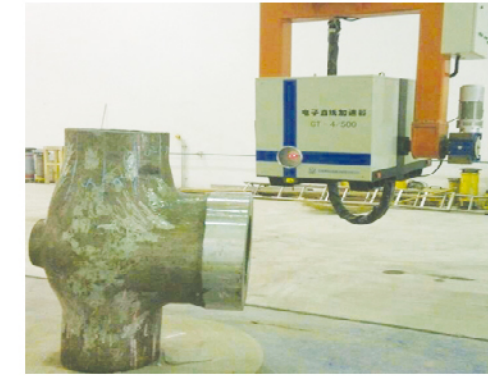
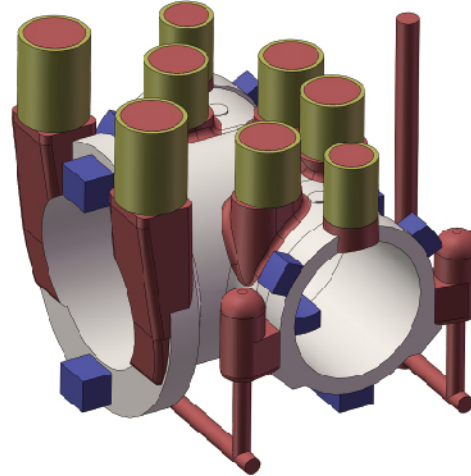
Q 质量管理

Quality Management

质量控制目标是致力追求给客户零缺陷的阀门产品，所以我们建立了严格的质量控制体系，从原材料到最终出厂严控产品质量。同时集团公司已经通过主要行业资质证书，主要包括：ISO9001质量保证体系认证，ISO14001环境管理体系认证，美国石油学会API6A/6D质量认证，CE证书，TS证书等。

The goal of quality control is to pursue zero-defect valve products for customers, so we have established a strict quality control system to strictly control product quality from raw materials to final delivery. At the same time, the company has passed the major industry qualification certificates, including: ISO9001 quality assurance system certification, ISO14001 environmental management system certification, American Petroleum Institute API61/6D quality certification, CE certificate, TS certificate, etc.

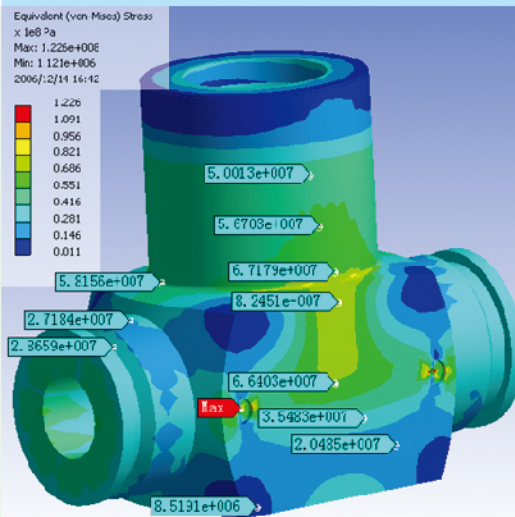
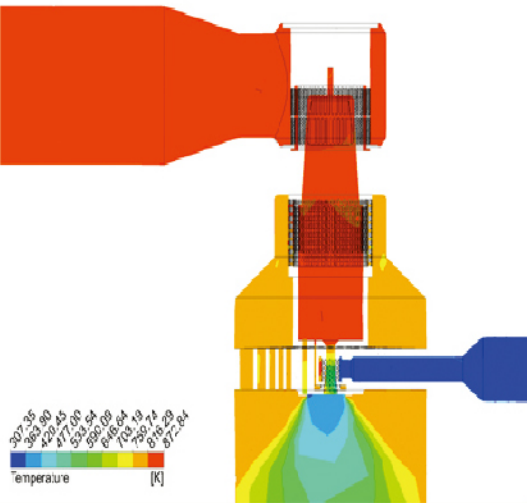
凝聚了一个充满活力的研发，设计，工艺团队；采用先进三维造型造型，有限元分析及工艺模拟软件，虚拟验证产品安全性，可靠性，节能型；开发的阀门专用软件包，使用产品研发的时效性；采用了独特的产，学，研和用技术开发机制和体系，从而形成了一个持续推动着公司技术创新和发展的不竭动力。



建立各类试验室及先进检测设备，包括，化学成分分析，机械性能测试，硬度检测，无损探伤（射线探伤，超声波，磁粉，着色），超低温试验，真空试验，低泄露试验，高压气体测试，高温测试以及常规水压等一些列阀门实验。为确保毛坯质量有自己的铸件工厂，从原料生产到成品出库有效管控每一个过程。此外，积极实施六西格玛管理，在公司内部推行“零缺陷”项目，并通过先进的数据统计分析，达到持续提高过程控制与管理。

Establish various types of laboratories and advanced testing equipments including chemical composition analysis, mechanical property testing, hardness testing, non-destructive testing (radiographic testing, magnetic particle, coloring), ultra-low temperature testing, vacuum testing, low leakage testing, high pressure gas testing and conventional hydraulic series valve experiment. In order to ensure the quality of the roughcast, we have our own casting factory, which effectively controls every process from raw material production to finished product delivery. In addition, the company actively implements Six Sigma Management, implements the “zero defect” project within the company, and continuously improves process control and management through advanced data statistical analysis.

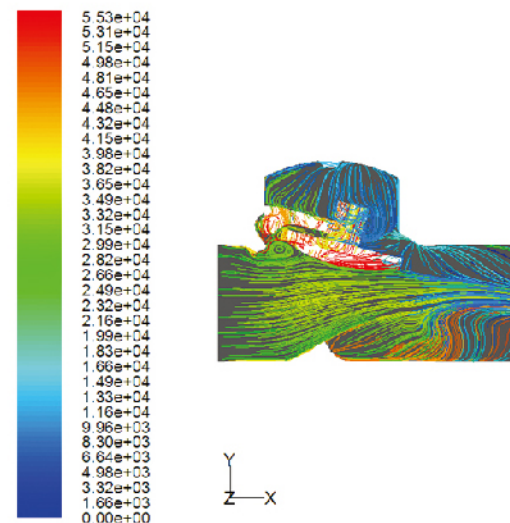
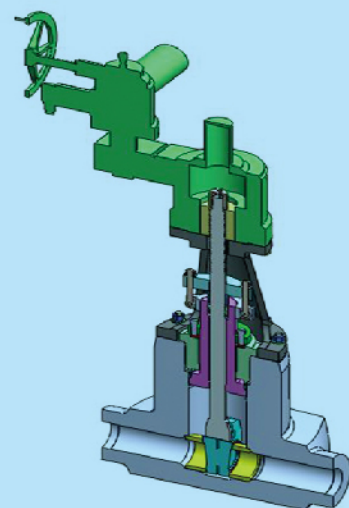
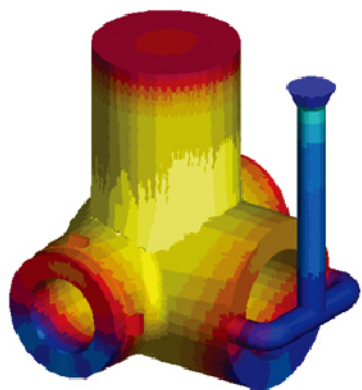
Adopting unique production, learning, research and application, forming an inexhaustible driving force to continuously promote the company's technological innovation and development.



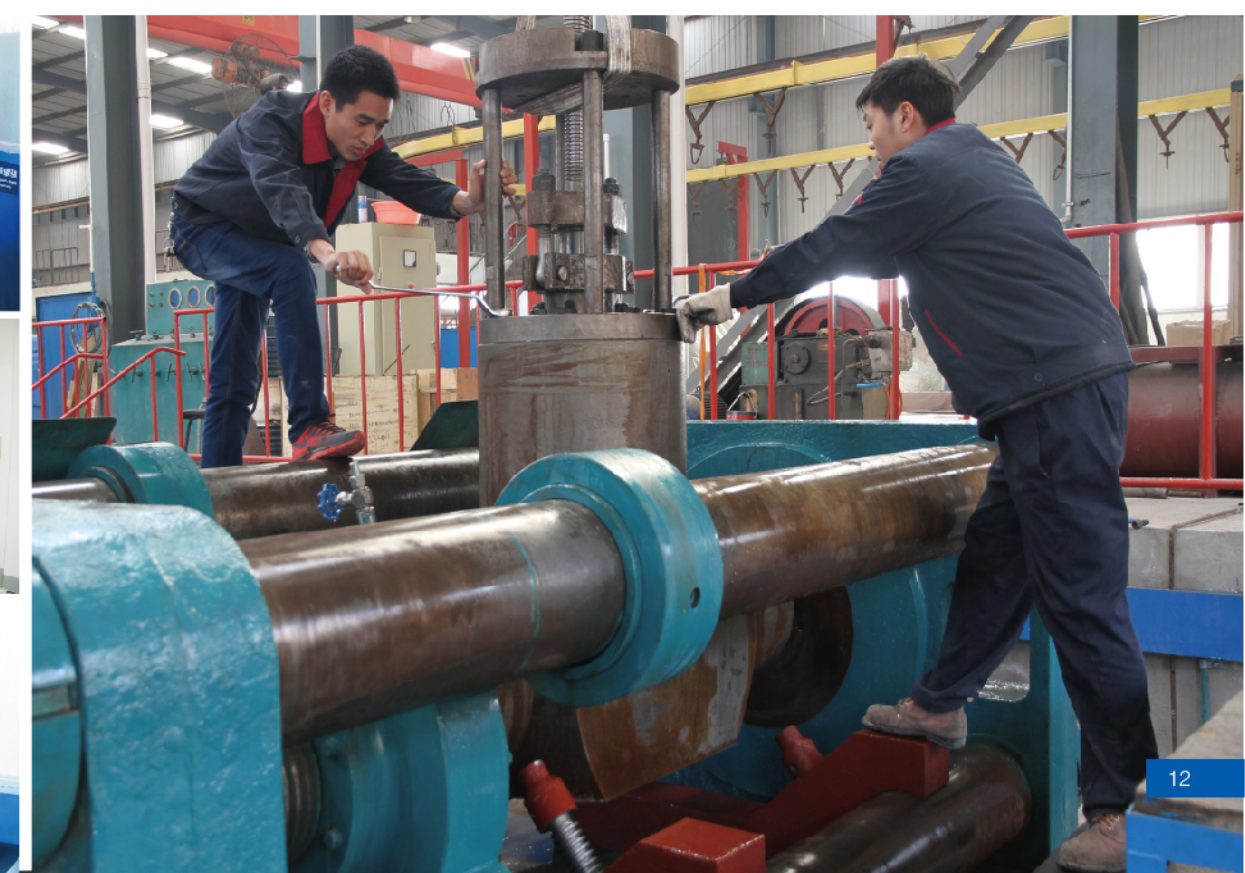
Unite a dynamic team of research and development, design and process; using advanced 3D modeling, finite element analysis and process simulation software, virtual verification of product safety, reliability and energy saving; The development of valve special software package, the use of product research and development timeliness;

铸件色温
铸件 12sy612500
材质WCB

温度色标
1517
1408
1300
1192
1031
975
867
759
651
凝固经历时间2283.40秒

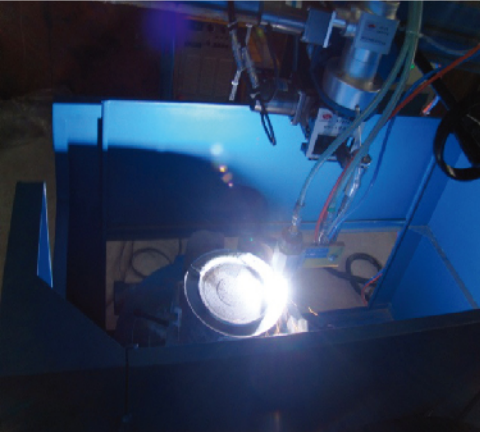


Pathlines Colored by Particle ID



A 先进制造

Advanced production



数控加工设备被广泛用于集团工厂，如立式加工中心、卧式加工中心、卧式数控车床、立式数控车床等最大加工能力可达到60英寸闸阀。

Data processing equipment is widely used in the company's factories, such as vertical machining centers, horizontal machining centers, horizontal CNC lathes, vertical CNC lathes, etc. The maximum processing capacity can reach 60 inches gate valves.

开封高中压阀门有限公司主要生产高温高压电站阀门及特殊工况阀门，AP16A，API6D石油石化用阀门。

Kaifeng High Middle Pressure Valve Co., Ltd. mainly produces high temperature and high pressure power station working valves and special working condition valves, AP16A, API6D petroleum and petrochemical valves.



C 铸造

Casting



作为流体控制承压设备之一，阀门铸件质量决定到阀门寿命及人员和环境安全，特别是在高温高压工况下使用。这就是顾客为什么在确定采购商之前首先确认供应商材料认证。

As one of the fluid control pressure equipment, valve casting quality determines the valve life and the safety of personnel and the environment, especially when used under high temperature and high pressure conditions. This is why customers first confirm the supplier's material certification before identifying the buyer.

东立铸造，采用树脂砂工艺生产高温高压和大规模砂型铸件；

Dongli Casting, using resin sand process to produce high temperature high pressure and large scale sand castings;

铸造厂配备各种专用检测设备：C060-r射线探伤室，XXG-3005x光机，德国斯派克45通道直读光谱分析仪，干湿磁粉探伤仪，超声波，渗透探伤，机械性能测试等设备。

The foundry is equipped with various special testing equipment: C060-r ray flaw detection room, XXG-3005x optical machines, German Speike 45 channel direct reading spectrum analyzer, wet and dry magnetic particle flaw detector, ultrasonic, penetration testing, mechanical properties testing and other equipment.

铸造材料：WCA,WCB,WCC,LCA,LCB,LCC,LC3,WC6,WC9,C5,C12,C12A,CF3,CF3M,CF8,CF8M,CF8C等碳钢，合金钢，不锈钢等钢种以及客户提出的特殊需求的钢种。铸件最大单重6000公斤。

Casting materials: WCA, WCB, WCC, LCA, LCB, LCC, LC3, WC6, WC9, C5, C12, C12A, CF3, CF3M, CF8, CF8M, CF8C and other carbon steels, alloy steels, stainless steels and other steel grades as well as customer's proposals steel grades for special needs. The maximum single weight of castings is 6000 kg.



电力行业阀门

设计标准ASME B16.34 NB/T47044 DL/T531及E101

关断阀门类

闸阀 截止阀 Y型截止阀
止回阀 三通阀 吹管阀
堵阀 抽气止回阀
疏水阀 憋压阀

控制阀门类

高低压旁路阀 减温水调节阀 最小流量阀
高压、低压加热器疏水调节阀

High temperature and pressure power station valve

Design standard of ASME B16.34 NB/T47044 DL/T531 and E101

Shut off valve type

Gate valve globe valve Y type globe valve
Check valve three-way valve pipe valve
Plug valve exhaust valve Drain valve
Chock valve

Control valve type

High and low pipeline pure bypass valve
water control valve
the minimum flow valve
High pressure, low pressure heater control valve

汽机旁路 减温减压装置

Turbine Bypass

T&P Desuperheater Device

汽机旁路/减温减压装置系统由：高旁减压减温调节阀、高旁喷水调节阀、高旁喷水隔离阀；低旁减压减温调节阀、低旁喷水调节阀、低旁喷水隔离阀以及控制系统等组成，可提供超临界及以下机组用成套装置，控制方式包括电动、气动及液动。

Turbine Bypass/T&P Desuperheater Device of: High pressure by-pass control valve, High pressure by-pass spraying water control valve, High pressure by-pass water isolating valve; Low pressure by-pass reducing control valve, Low pressure by-pass spraying water control valve, Low pressure by-pass water isolation valve and control system etc., can provide a complete set of device for supercritical unit control mode and under used, including electric, pneumatic and hydraulic.

High pressure by-pass control valve

Forge welding casing
Double level adjustment
multistage denoise
holes and noise reduction
Special heat treatment and surface treatment in trim
Composite packing assembly
The maximum diameter: 24"
The highest pressure: ANSL 4500LB
The highest temperature: 630°C
Body material: A105, WB36, F11, F22, F91, F92
Connection: Welding
Mode of operation: hydraulic, electric, pneumatic



高旁减压减温调节阀

锻焊壳体
双级调节、多级降压、小孔降噪
特殊热处理和表面处理内件
复合填料组件
最大口径：24"
最高压力级：ANSI 4500LB
最高温度：630°C
阀体材料：A105、WB36、
F11、F22、F91、F92
连接：焊接
操作方式：液动、电动、气动

低旁减压减温调节阀

锻焊壳体
一级调节、多级降压、小孔降噪
特殊热处理和表面处理内件
复合填料组件
最大口径：32"
最高压力级：ANSI 1500LB
最高温度：630°C
阀体材料：A105、WB36、
F11、F22、F91、F92
连接：焊接
操作方式：液动、电动、气动



Low pressure by-pass reducing control valve

Forge welding casing
Level adjustment, multistage denoise
holes and noise reduction
Special heat treatment and surface treatment in pieces
Composite packing assembly
The maximum diameter: 32"
The highest pressure: ANSI 1500LB
The highest temperature: 630°C
Body material: A105, WB36,
F11, F22, F91, F92
Connection: Welding
Mode of operation: hydraulic, electric, pneumatic



高加三通阀

设计特点:

中腔压力自密封
 阀瓣全程导向
 密封硬质合金
 阀杆表面ENP处理

口径: 2"-24"
 压力级: ANSI 600LB-2500LB
 阀体类型: Z型、直通、锻造、铸造
 材料: WCB、A105、WB36
 内件材料: 按照API600
 操作方式: 电动、液动
 连接: 焊接



High Pressure Heater Three-way Valve

Design features:

Cavity pressure self sealing
 The valve is fully guided
 Seal hard alloy
 The stem surface treatment ENP
 Diameter: 2"-24"
 Pressure: ANSI 600LB-2500LB
 Valve type: Z type, straight, forging, casting
 Material: WCB、A105、WB36
 Trim material: according to API600
 Mode of operation: electric, hydraulic
 Connection: welding



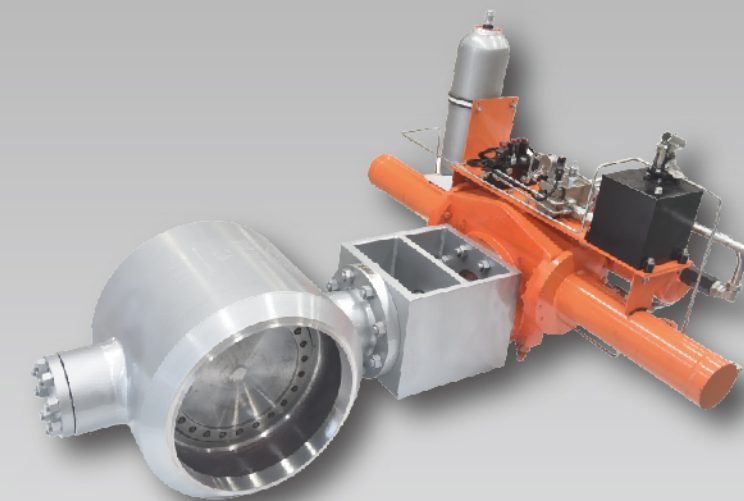
抽汽系统快关蝶阀 Quick closing butterfly valve

用途: 300MW, 600MW, 1000MW
 火电发电机组抽汽系统供热改造

Purpose: 300MW, 600MW, 1000MW
 Heat supply reform of steam extraction system of thermal power generating unit

设计特点:

阀门四偏心设计
 阀门整体锻造, 阀体密封面采用本体堆焊硬质合金
 碟板密封圈可换式结构, 密封面堆焊硬质合金
 阀门支架采用散热性结构
 阀门泄露等级: V级
 口径: 3"-56"
 压力级: ANSI 150LB-3500LB
 最高温度: 630°C
 材料: A105、F11、F22、F91、F92
 连接: 法兰、焊接
 操作方式: 电液执行器可实现快关0.5及可调节功能, 开关时间0.5-10S; 气动。



Design features:

Valve four eccentric design
 The valve is forged as a whole. The sealing surface of the valve body is made of cemented carbide and the sealing ring of the disc plate is replaceable. The sealing surface is made of cemented carbide
 The valve support adopts heat dissipation structure
 Valve leakage level: Class V
 Diameter: 3"-56"
 Pressure: ANSI 150LB-3500LB
 The highest temperature: 630°C
 Material: A105, F11, F22, F91, F92
 Connection: flange, welding
 Mode of operation: The electro-hydraulic actuator can realize the quick closing 0.5 and adjustable functions, and the switching time is 0.5-10s; Pneumatic.

抽汽止回阀 Exhaust valve

设计特点:

关闭时间 ≤ 0.5秒
 阀座密封面倾斜设计
 阀体内腔采用流线设计
 执行机构与阀门关闭件相对独立
 关闭件开启设有限位机构
 口径: 3"-48"
 压力级: ANSI 150LB-2500LB
 最高温度: 610°C
 锻造材料: A105、F22、F91、F92
 铸造材料: WCB、WCC、WC1、WC6、WC9、C12A
 连接: 法兰、焊接
 操作方式: 气动、液动



Design features:

Closing time below 0.5s
 The sealing surface of the valve seat tilt design
 The inner cavity of the valve body adopts the streamline design
 Actuator and valve closing member relative independence
 The closure member opening is provided with a limiting mechanism
 Diameter: 3"-48"
 Pressure: ANSI 150LB-2500LB
 The highest temperature: 610 °C
 Forging materials: A105、F22、F91、F92
 Casting material: WCB、WCC、WC1、WC6、WC9、C12A
 Connection: flange, welding
 Mode of operation: pneumatic, hydraulic

高压差疏水截止阀

设计特点:

二次节流密封技术
口径: 1/2" - 5"
压力级: ANSI 300LB-4500LB
最高温度: 630°C
材料: A105、WB36、F22、F91、F92
连接: 焊接
操作方式: 手动、电动、气动



High Pressure differential hydrophobic globe valve

Design features:

Seal the secondary reduce expenditure technology
Diameter: 1/2"-5"
Pressure: ANSI 300LB-4500LB
The highest temperature: 630°C
Material: A105, WB36, F22, F91, F92
Connection: welding
Mode of operation: manual operation, electric, pneumatic

高压差Y型疏水截止阀

设计特点:

二次节流密封技术
流线型设计
适合高压差
密封硬质合金
口径: 1/2"-4"
压力级: ANSI 300LB-4500LB
最高温度: 630°C
材料: A105、WB36、F22、F91、F92
连接: 焊接
操作方式: 手动、气动、电动



High pressure difference of Y type hydrophobic valve

Design features:

Seal the secondary reduce expenditure technology
Streamlined design
Suitable for high pressure difference
Seal hard alloy
Diameter: 1/2"-4"
Pressure: ANSI 300LB-4500LB
The highest temperature: 630°C
Material: A105, WB36, F22, F91, F92
Connection: Welding
Mode of operation: manual operation, pneumatic, electric

高压差疏水球阀

设计特点:

球体、阀座密封高速喷涂, 匹配研磨100%全接触
阀座碟簧加力
复合填料加碟簧活载荷
专有机限位
口径: 1/2"-4"
压力级: ANSI 300LB-4500LB
温度: 630°C
材料: A105、WB36、F22、F91、F92、F316L
连接: 法兰、焊接
操作方式: 手动、气动、电动



High Pressure differential hydrophobic ball valve

Design features:

The ball, the valve seat sealing speed spraying grinding for 100% full contact
The valve seat disc spring afterburner
Composite filler with disc spring live load
Proprietary mechanical limit
Diameter: 1/2"-4"
Pressure: ANSI 300LB-4500LB
Temperature: 630°C
Material: A105, WB36, F22, F91, F92, F316L
Connection: flange, welding
Mode of operation: manual operation, pneumatic, electric



憋压阀 (快速节流阀)

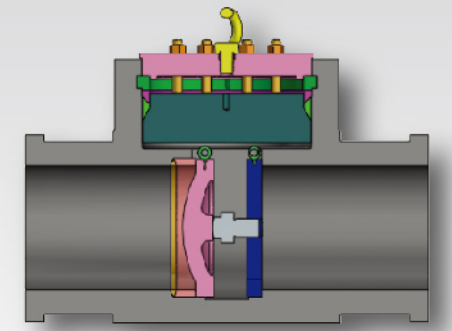
设计特点:

流道流线型设计, 全开压降0.008MPa
关闭节流件, 满足工况压降
中腔压力自密封
节流件全程导向
节流部位进口出口及流道堆焊硬质合金
阀杆表面ENP处理
最大口径: 24"
压力级: ANSI 600LB-2500LB
阀体类型: 直通
锻造、铸造材料: WCB、A105、WB36
内件材料: 按照API600
操作方式: 电动
连接: 焊接

Choke valve (fast throttle valve)

Design features:

Flow streamline design, open the 0.008MPa drop
Close the throttle, the needs of working pressure
Cavity pressure self sealing
The entire process oriented throttling element
Import and export flow throttle position and hard surfacing alloy
The stem surface treatment ENP
The maximum diameter: 24"
Pressure: ANSI 600LB-2500LB
Body type: straight
Forging, casting material: WCB, A105, WB36
Trim material: according to API600
Mode of operation: electric
Connection: welding



水压试验堵阀

设计特点:

流道全通经、内腔内设导流套
中法兰、中腔自密封
口径: 10"-40"
压力级: ANSI 300LB-4500LB
最高温度: 630°C
锻造材料: A105、F22、F91、F92
铸造材料: WCB、WC1、WC6、WC9、C12A
连接: 焊接

Hydraulic pressure test plug valve

Design features:

Channel all pass through the guide sleeve, the inner cavity
The flange, the cavity in the self sealing
Diameter: 10"-40"
Pressure: ANSI 300LB-4500LB
The highest temperature: 630°C
Forging materials: A105, F22, F91, F92
Casting material: WCB, WC1, WC6, WC9, C12A
Connection: welding

锅炉给水调节阀

设计特点:

S形流体通道套筒节流组件
节流面与密封分离
压力平衡式结构阀芯
硬化处理表面高强度不锈钢内组件
口径: 2"-12"
压力级: ANSI 1500LB-2500LB
温度: 630°C
阀体材料: A105、WB36、F91、F92
操作方式: 手动、电动、气动



Boiler feed water control valve

Design features:

S shaped fluid channel throttle sleeve assembly
The separation of cutting surface and the sealing
Pressure balance type valve core structure
Hardening components with high strength
stainless steel inner surface
Diameter: 2"-12"
Pressure: ANSI 1500LB-2500LB
Temperature: 630°C
The valve body material: A105, WB36, F91, F92
Mode of operation: manual operation, electric, pneumatic



高压、低压加热器疏水调节阀

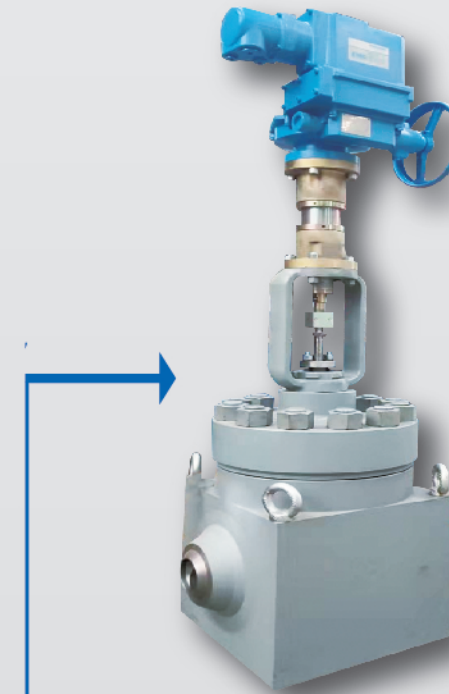
设计特点:

阀体结构: 直通, 流线型通道
节流级数: 1--3
平衡阀芯及非平衡阀芯
泄露等级: V
口径: 2"、3"、4"、6"、8"
最高压力: ANSI 600LB
连接: 焊接
操作方式: 气动、电动

High pressure, low pressure heater control valve

Design features:

Body structure: a straight through, streamline channel
Reduce expenditure series: 1--3
Balance and non balance valve disc
Leakage level: V
Diameter: 2", 3", 4", 6", 8"
The highest pressure: ANSI 600LB
Connection: welding
Mode of operation: pneumatic, electric



锅炉吹灰调压调节阀

设计特点:

节流面与密封面分开, 减少对密封面的冲刷磨蚀, 使用寿命长。
阀芯, 阀座表面硬化处理, 硬度可达到HRC70左右, 耐冲刷磨蚀, 使用寿命长。单座线密封结构形式, 密封性能好, 无泄漏。
阀芯开有防冲刷槽设计, 避免高速流体直接冲刷阀芯密封面。
型式: 直通式、角型
口径: DN50~300
压力级: ANSI1500~4500LB
最高温度: 630°C
铸造材料: WC6、WC9、C12A
锻造材料: F11、F22、F91
内件材料: 硬化处理
连接: 焊接
操作方式: 电动、气动

Soot blowing regulating valve

Design features:

The throttling surface is separated from the sealing surface to reduce the erosion and abrasion of the sealing surface, and the service life is long.
The surface of valve core and valve seat is hardened, and the hardness can reach about HRC70. It is resistant to scouring and abrasion Corrosion, long service life. Single seat line seal structure, good sealing performance and no leakage.
The valve core is provided with anti scouring groove design to avoid high-speed fluid directly scouring the sealing surface of the valve core.
Type: straight through type, angle type
The maximum diameter: DN50~300
Pressure: ANSI 600LB-2500LB
The highest temperature: 630°C
Casting material: WC6、WC9、C12A
Forging materials: F11、F22、F91
Interior material: hardening treatment
Connection: welding
Mode of operation: pneumatic, electric



管道吹扫阀

设计特点:

阀体流道线性
30秒快速开闭
闸板、阀座密封硬质合金
复合填料加碟簧活载荷
闸板、阀体导向堆焊耐磨合金
阀杆防吹出设计、阀杆表面ENP处理
配置高速可靠、频繁开关电动装置
最大口径: 26"
压力级: ANSI 600LB-3500LB
最高温度: 570°C
铸造材料: WCB、WC9
连接: 焊接

Pipeline purge valve

Design features:

The channel of the valve body streamlined
30 seconds fast opening and closing
Hard alloy, the valve seat seal gate
Composite filler with disc spring live load
Gate, valve guide wear resistant alloy welding
Blow out proof design of the stem
The stem surface treatment ENP
High speed and reliable electric device configuration, frequent switch
The maximum diameter: 26"
Pressure: ANSI 600LB-3500LB
The highest temperature: 570°C
Casting material: WCB、WC9
Connection: Welding

煤化工专用阀门

Coal chemical industry valve



耐磨球阀

设计特点:

耐磨损、耐腐蚀、易启动
且具有自清洗功能
适用于输送浆体或有杂质液体的管道系统
型式: 直通
口径: NPS $\frac{1}{2}$ ~NPS24、DN15~DN600
压力级别: Class150~Class4500、PN16~PN720
最高温度: 630°C
铸造材料: WCB、WC6、WC9、C12A、CF8、CF8M
锻造材料: A105、F11、F22、F91、F304、F316
内件材料: 硬化处理
连接: 焊接、法兰
操作方式: 手动、蜗轮蜗杆传动、电动、气动

Wear resistant ball valve

Design features:

Wear resistance, corrosion resistance, easy to start, And has self-cleaning function
It is applicable to pipeline system for transporting slurry or impurity liquid
Type: straight
The maximum diameter: NPS $\frac{1}{2}$ ~NPS24、DN15~DN600
Pressure: Class150~Class4500、PN16~PN720
The highest temperature: 630°C
Casting material: WCB、WC6、WC9、C12A、CF8、CF8M
Forging materials: A105、F11、F22、F91、F304、F316
Interior material: hardening treatment
Connection: welding, flange
Mode of operation: Manual, worm gear and worm drive, welding, pneumatic



黑水调节阀

设计特点:

文氏管流路结构
阀座为整体式
阀杆阀瓣机械一体式、下导向结构
阀头、阀座和出口流道的材质均为碳化钨
阀杆表面喷涂碳化钨
弹簧式双作用气缸执行机构
进口的智能型阀门定位器
调节特性: 等百分比/线性
最高压力级: ANSI 1500LB
最大口径: 12"
连接: 法兰
操作方式: 气动

Black water regulating valve

Design features:

The flow path structure of Venturi tube
The valve seat is an integral type
The valve stem and disc use of machinery integrated
The lower guide structure
The valve head, valve seat and the outlet flow channel are made of tungsten carbide
Tungsten carbide spraying the surface of valve stem
Spring type double acting cylinder actuators
Imports in advanced Intelligent valve positioner
Regulating characteristics: percentage / linear
The highest pressure: ANSI 1500LB
The maximum diameter: 12"
Connection: flange
Mode of operation: pneumatic



防冲刷C型调节(切断)阀

设计特点:

启闭迅速、轻便, 流体阻力小
流路简单, Kv值大, 自洁性能好
磨损自行补偿, 能自行破除结垢
密封可靠性高, 使用寿命长
阀杆防吹出、双轴承设计
防火和防静电设计
缩径可选
型式: 直通
口径: NPS $\frac{1}{2}$ ~NPS48、DN15~DN1200
压力级别: Class150~Class4500、PN16~PN720
最高温度: -196°C~600°C
铸造材料: WCB、WC6、WC9、C12A、CF8、CF8M
锻造材料: A105、F11、F22、F91、F304、F316
内件材料: F304 / F316 / duplex / Hastelloy / Inconel
Monel / Incoloy +H.F.等
连接: 焊接、法兰
操作方式: 手动、蜗轮蜗杆传动、电动、气动、液动等

Anti scour C-type regulating (shut-off) valve

Design features:

Quick and light opening and closing, small fluid resistance, Simple flow path, large Kv value and good self-cleaning performance, Self compensation for wear and self removal of scale, High sealing reliability and long service life, Valve stem anti blow out, double bearing design
Fire and anti-static design, Reduction (optional)
Type: straight
Diameter : NPS $\frac{1}{2}$ ~NPS48、DN15~DN1200
Pressure: Class150~Class4500、PN16~PN720
The highest temperature: -196°C~600°C
Casting material: WCB、WC6、WC9、C12A、CF8、CF8M
Forging materials: A105、F11、F22、F91、F304、F316
Trim material: F304 / F316 / duplex / Hastelloy / Inconel
Monel / Incoloy +H.F,etc
Connection: flange
Mode of operation: Manual, worm gear and worm drive, welding, pneumatic, hydraulic, etc



釜底阀

设计特点:

其密封形式可以有软密封和硬密封。根据需要时封面均可堆焊有硬质合金, 硬度可达到 HRC44。其金属硬密封(锥形密封面)可以保证密封等级达到 VI;
其结构形式实现了运行、全通径、低压降。
采用螺栓加蝶簧结构, 可以自动调整来实现填料始终被压紧
阀杆只升降不旋转, 减少了填料的损耗。
阀座可以选择可更换型, 更换更方便。
口径: DN25~DN400 (1"~16")
压力级: ANSI 150~600Lb PN16~PN100
使用温度: -196°C~600°C
主体材料: WCB、WC6、CF8、CF8M、CF3、CF3M等材料
连接: 焊接、法兰
操作方式: 气动、电动、手动

Pub valve

Design features:

The sealing forms can be soft sealing and hard sealing.
If necessary, the cover can be hardfacing with hard alloy, and the hardness can reach HRC44. Its metal hard seal (conical sealing surface) can ensure that the sealing grade reaches VI;
Its structural form realizes operation, full bore and low pressure drop.
The structure of bolt and butterfly spring is adopted, which can be automatically adjusted to ensure that the packing is always compressed
The valve stem only rises and falls without rotation, reducing the loss of packing.
The valve seat can be replaced, which is more convenient.
Diameter: DN25~DN400 (1"~16")
Pressure class: ANSI 150~600Lb PN16~PN100
Operating temperature: -196°C~600°C
Body material: WCB, WC6, CF8, CF8M, CF3, CF3M, etc
Connection: welding, flange
Operation mode: pneumatic, electric, manual

高温高压阀门

High temperature and high pressure valve



Design features:

Cavity pressure self sealing
Seal hard alloy
Wedge: flexible wedge gate, parallel gate, wedge double plate gate whole surfacing wear-resistant alloy guide
The stem design for blow out proof structure, stem ENP processing
Proprietary mechanical limit switch
Composite type packing
Can choose to bypass configuration

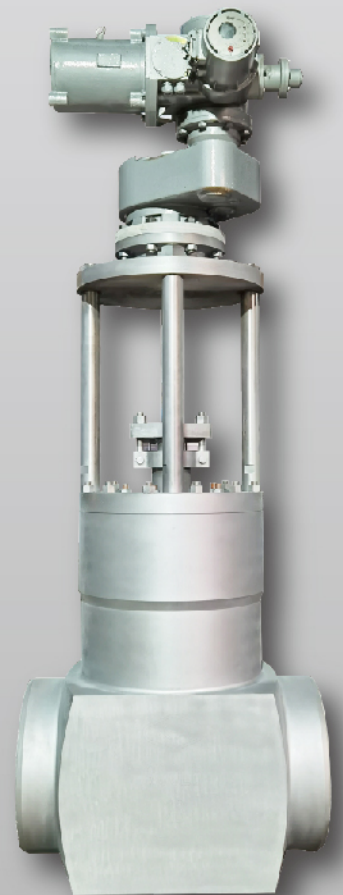
Diameter: 2"-28"
Pressure: ANSI 600LB-4500LB
The highest temperature: 630°C
Casting material: WCB, WB36, WCC, WC 1, WC 6, WC 9, C12A
Forging materials: A105, WB36, F22, F91, F92
Trim material: according to API600
Mode of operation: manual operation, gear, electric, pneumatic, hydraulic
Connection: Welding

闸阀 Gate valve

设计特点:

中腔压力自密封
密封硬质合金
闸板: 楔式弹性闸板、平行双闸板、楔式双闸板
闸板全程堆焊耐磨合金导向
阀杆设计为防吹出结构、阀杆ENP处理
专有行程机械限位装置
复合型填料
可选择旁路配置

口径: 2"-28"
压力级: ANSI 600LB-4500LB
最高温度: 630°C
铸造材料: WCB, WB36, WCC, WC1, WC6, WC9, C12A
锻造材料: A105, WB36, F22, F91, F92
内件材料: 按照API600
操作方式: 手动、齿轮、电动、气动、液动
连接: 焊接



设计特点:

中腔压力自密封
密封二次节流技术
阀瓣全程导向
密封硬质合金
口径: 2"-12"
压力级: ANSI 600LB-4500LB
阀体材料: 碳钢、铬钼合金钢
内件材料: 按照API600
操作方式: 手动、齿轮、电动
连接: 焊接

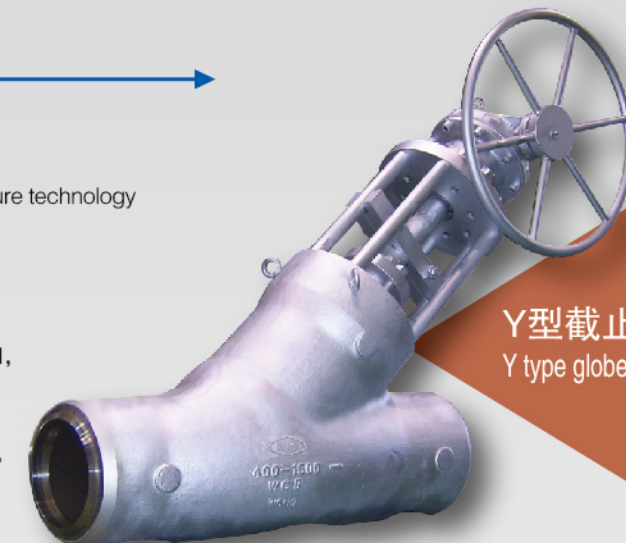
截止阀 Globe valve



Design features:
Cavity pressure self sealing
Seal the secondary reduce expenditure technology
Disc fully guided
Seal hard alloy
Diameter: 2"-12"
Pressure: ANSI 600LB-4500LB
The valve body material: carbon steel, chrome molybdenum alloy steel
Trim material: according to the API600
Mode of operation: manual operation, gear, electric
Connection: welding

Design features:

Cavity pressure self sealing
Seal the secondary reduce expenditure technology
Disc fully guided
Seal hard alloy
Diameter: 2"-24"
Pressure: ANSI 600LB-4500LB
The valve body material: carbon steel, chrome molybdenum alloy steel
Trim material: according to API600
Mode of operation: manual operation, gear, electric
Connection: welding



Y型截止阀 Y type globe valve

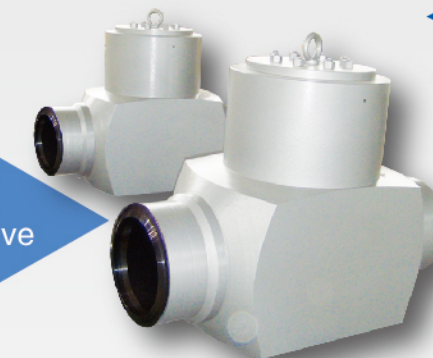
设计特点:

中腔压力自密封
密封二次节流技术
阀瓣全程导向
密封硬质合金
口径: 2"-24"
压力级: ANSI 600LB-4500LB
阀体材料: 碳钢、铬钼合金钢
内件材料: 按照API600
操作方式: 手动、齿轮、电动
连接: 焊接

设计特点:

中腔压力自密封
内置式悬吊阀瓣
密封硬质合金
可选择旁路配置
口径: 2"-24"
压力级: ANSI 600LB-4500LB
阀体材料: 碳钢、铬钼合金钢
内件材料: 按照API600
连接: 焊接

止回阀 Check valve



Design features:

Cavity pressure self sealing
The built-in type suspension valve
Seal hard alloy
Can choose to bypass configuration
Diameter: 2"-24"
Pressure: ANSI 600LB-4500LB
Body material: carbon steel, chrome molybdenum alloy steel
Trim material: according to API600
Connection: Welding

高温高压阀门

High temperature and high pressure valve



球阀

Ball valve

设计特点:

多种阀座结构、多种球体硬化处理方式，适用不同温度和介质。

防吹出阀杆
紧急阀杆密封
接点双重密封

口径: DN50~DN1000

压力级: ANSI600 ~ 4500LB、PN16 ~ PN720

主体材质: WCB, A105, CF8, F304, CF8M, F316, LCB, LC1, WCC, WC9, F91, F92, CF3, F304L, CF3M, F316L, 4A, 5A, inconel625, Alloy20, Monel, Incoloy, Hastelloy, C5, Ti

使用温度: -40°C~630°C

适用介质: 水、蒸汽、油品等

连接方式: 法兰、焊接

传动方式: 手柄、蜗轮、气动、电动、液动、气液联动



Design features:

Various valve seat structures and various ball hardening treatment methods, Suitable for different temperatures and media.

Anti blow out valve stem
Emergency stem seal
Contact double seal

Diameter: DN50~DN1000

Pressure: ANSI600 ~ 4500LB、PN16 ~ PN720

Host material: WCB, A105, CF8, F304, CF8M, F316, LCB, LC1, WCC, WC9, F91, F92, CF3,

F304L, CF3M, F316L, 4A, 5A, inconel625, Alloy20, Monel, Incoloy, Hastelloy, C5, Ti

Service temperature: -40°C~630°C

Applicable media: water, steam, oil, etc

Connection method: flange and welding

Transmission mode: handle, worm gear, pneumatic, electric, hydraulic, pneumatic hydraulic linkage

蝶阀

Butterfly valve

设计特点:

阀内件特点: 偏心结构金属软密封
流路简单, Kv值大, 自洁性能好

上阀盖型式: 标准一体式

密封可靠性高, 使用寿命长

阀轴密封形式: 自密封填料函结构 柔性石墨填料结构

流量特性: 近似等百分比

型式: 直通

口径: NPS $\frac{1}{2}$ ~ NPS120、DN15 ~ DN3000

压力级别: Class150 ~ Class4500、PN16 ~ PN720

最高温度: -196°C~1100°C

铸造材料: WCB、WC6、WC9、C12A、CF8、CF8M

锻造材料: A105、F11、F22、F91、F304、F316

内件材料: F304/F316/ duplex / Hastelloy / Inconel/Monel/Incoloy +H.F等

连接: 焊接、法兰、对夹

操作方式: 手动、蜗轮蜗杆传动、电动、气动、液动等

Design features:

CValve trim features: axial two eccentric structure and asymmetric sealing surface structure

Multi level sealing valve seat

Simple flow path, large Kv value and good self-cleaning performance

Upper bonnet type: standard integral type

High sealing reliability and long service life

Valve shaft sealing form: self sealing packing box structure flexible graphite packing structure

Flow characteristics: approximately equal percentage

Type: straight

Diameter: NPS $\frac{1}{2}$ ~ NPS120、DN15 ~ DN3000

Pressure: Class150 ~ Class4500、PN16 ~ PN720

The highest temperature: -196°C~1100°C

Casting material: WCB、WC6、WC9、C12A、CF8、CF8M

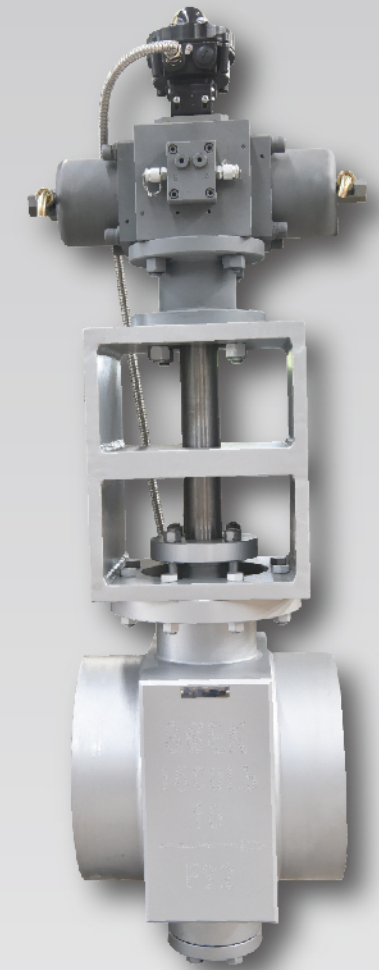
Forging materials: A105、F11、F22、F91、F304、F316

Trim material: F304 / F316 / duplex / Hastelloy / Inconel / Monel

Incoloy +H.F etc

Mode of operation: Welding, flange and clamp

Connection: Manual, worm gear and worm drive, electric, pneumatic, hydraulic, etc

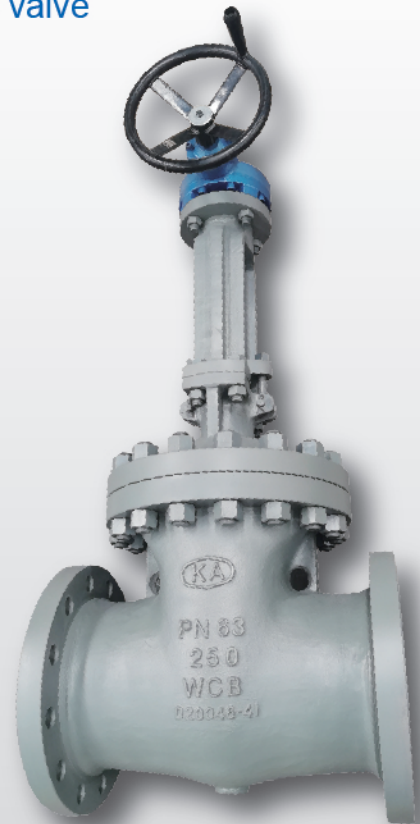


通用阀门系列

General purpose valves

闸 阀

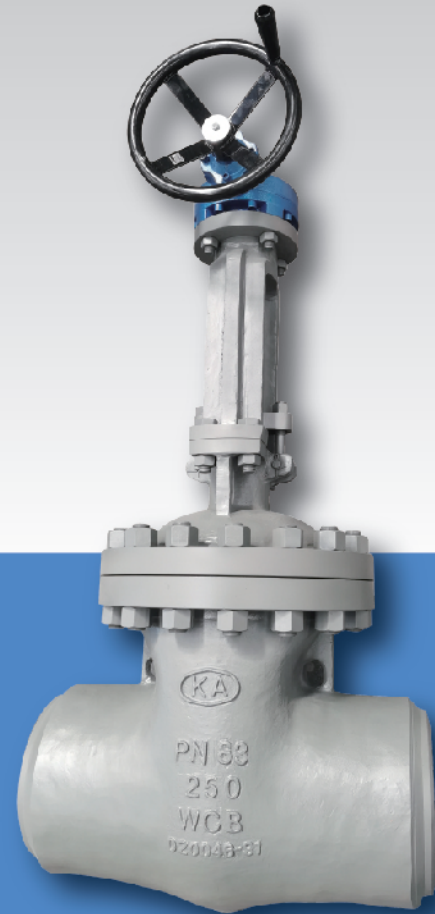
Gate valve



设计特点:

中腔法兰连接便于检修
密封可选多种材质（不锈钢、硬质合金等）
闸板：楔式弹性闸板、楔式单闸板、平行双闸板、平行单闸板等
阀杆设计为防吹出结构、阀杆ENP处理
专有行程机械限位装置
复合型填料

口径：NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000
压力级：Class150 ~ Class600、PN10 ~ PN100
最高温度：-29°C ~ 540°C
铸造材料：WCB、WC6、CF8、CF8M、CF3、CF3M、LCB、LCC等
锻造材料：A105、F11、F304、F316
内件材料：符合NB/T47044、API600等标准要求
连接：焊接、法兰
操作方式：升降式手轮、非升降式手轮、锥齿轮、电动驱动装置、气动驱动装置



Design features:

The flange connection of the middle chamber is convenient for maintenance
Sealing can be made of various materials (stainless steel, hard alloy, etc.)
Ram: wedge elastic ram, wedge single ram, parallel double ram, parallel single ram, etc
The valve stem is designed with anti blow out structure and ENP treatment
Proprietary travel mechanical limit device
Composite packing

Caliber: NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000
Pressure level: class150 ~ CLASS600, PN10 ~ PN100
Maximum temperature: - 29 °C ~ 540 °C
Casting materials: WCB, wc6, CF8, CF8M, CF3, cf3m, LCB, LCC, etc
Forging materials: A105, F11, f304, F316
Interior material: meet the requirements of Nb / t47044, API600 and other standards
Connection: welding, flange
Operation mode: lifting handwheel, non lifting handwheel, bevel gear, electric drive device, pneumatic drive device

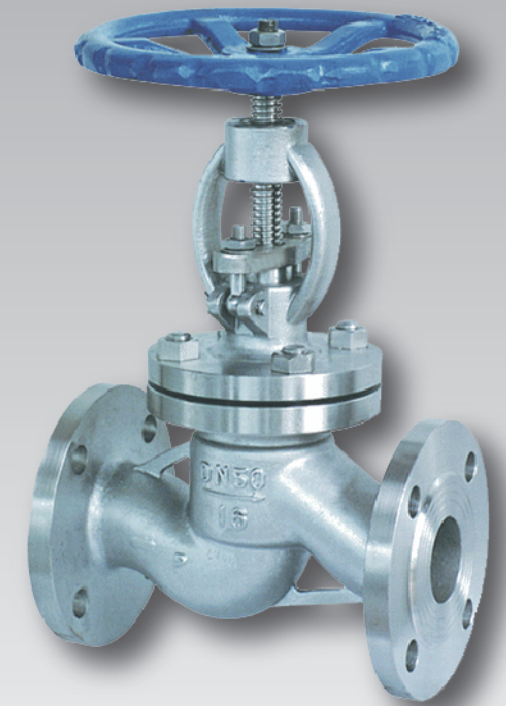
截止阀

Globe valve

设计特点:

中腔法兰连接便于检修
密封可选多种材质（不锈钢、硬质合金等）
阀瓣全程导向
阀杆设计为防吹出结构、阀杆ENP处理
专有行程机械限位装置
复合型填料

口径：NPS $\frac{1}{2}$ ~ NPS16、DN15 ~ DN400
压力级：Class150 ~ Class600、PN10 ~ PN100
最高温度：-29°C ~ 540°C
铸造材料：WCB、WC6、CF8、CF8M、CF3、CF3M、LCB、LCC等
锻造材料：A105、F11、F304、F316
内件材料：符合NB/T47044、API600等标准要求
连接：焊接、法兰
操作方式：升降式手轮、非升降式手轮、锥齿轮、电动驱动装置、气动驱动装置



Design features:

The flange connection of the middle chamber is convenient for maintenance
Sealing can be made of various materials (stainless steel, hard alloy, etc.)
Disc full range guidance
The valve stem is designed with anti blow out structure and ENP treatment
Proprietary travel mechanical limit device
Composite packing

Caliber: NPS $\frac{1}{2}$ ~ NPS16、DN15 ~ DN400
Pressure level: class150 ~ CLASS600, PN10 ~ PN100
Maximum temperature: - 29 °C ~ 540 °C
Casting materials: WCB, wc6, CF8, CF8M, CF3, cf3m, LCB, LCC, etc
Forging materials: A105, F11, f304, F316
Interior material: meet the requirements of Nb / t47044, API600 and other standards
Connection: welding, flange
Operation mode: lifting handwheel, non lifting handwheel, bevel gear, electric drive device, pneumatic drive device

通用阀门系列

General purpose valves

设计特点:

中腔法兰连接便于检修

密封可选多种材质 (不锈钢、硬质合金等)

可选内置式悬吊阀瓣及穿轴式阀瓣

阀体结构可旋启式、升降式、轴流式、蝶形及多瓣式结构

口径: NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000

压力级: Class150 ~ Class600、PN10 ~ PN100

最高温度: -29°C ~ 540°C

铸造材料: WCB、WC6、CF8、CF8M、CF3、CF3M、LCB、LCC等

锻造材料: A105、F11、F22、F304、F316

内件材料: 符合NB/T47044、API600等标准要求

连接: 焊接、法兰、对夹



止回阀

Check valve



Design features:

The flange connection of the middle chamber is convenient for maintenance

Sealing can be made of various materials (stainless steel, hard alloy, etc.)

Optional built-in suspended valve disc and through shaft valve disc

The valve body structure can be swing type, lift type, axial flow type, butterfly type and multi valve type

Caliber: NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000

Pressure level: class150 ~ CLASS600、PN10 ~ PN100

Maximum temperature: - 29 °C ~ 540 °C

Casting materials: WCB, wc6, CF8, CF8M, CF3, cf3m, LCB, LCC, etc

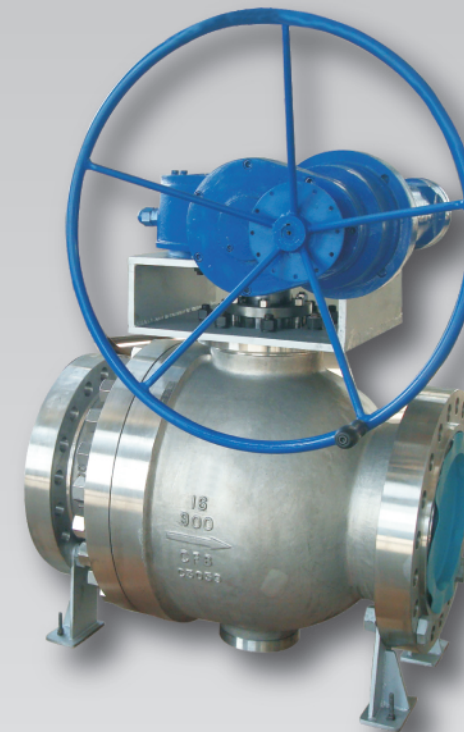
Forging materials: A105, F11, F22, f304, F316

Interior material: meet the requirements of Nb / t47044, API600 and other standards

Connection: welding, flange, clamp

硬密封球阀

Hard seal ball valve



设计特点:

多种阀座结构、多种球体硬化处理方式, 适用不同温度和介质

接点双重密封

紧急阀杆密封

防吹出阀杆

阀体排放

双阻塞和排放 (DBB)

双活塞效应阀座 (DIB)

低温、氯气、氧气、真空场合配置

NACE抗硫要求

加长阀杆

埋地要求

口径: NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000

压力级别: Class150 ~ Class600、PN10 ~ PN100

最高温度: -29°C ~ 540°C

铸造材料: WCB、WC6、CF8、CF8M、CF3、CF3M、LCB、LCC等

锻造材料: A105、F11、F22、F304、F316

内件材料: 符合NB/T47044、API600等标准要求

连接: 焊接、法兰、对夹

传动方式: 手柄、蜗轮、气动、电动、液动、气液联动



Design features:

A variety of valve seat structures and a variety of ball hardening treatments are applicable to different temperatures and media.

Contact double seal

Emergency stem seal

Anti blow out valve stem

Valve body drain

Double block and discharge (DBB)

Double piston effect valve seat (DIB)

Low temperature, chlorine, oxygen and vacuum

NACE sulfur resistance requirements

Extended stem

Buried requirements

Caliber: NPS $\frac{1}{2}$ ~ NPS80、DN15 ~ DN2000

Pressure level: class150 ~ CLASS600、PN10 ~ PN100

Maximum temperature: - 29 °C ~ 540 °C

Casting materials: WCB, wc6, CF8, CF8M, CF3, cf3m, LCB, LCC, etc

Forging materials: A105, F11, F22, f304, F316

Interior material: meet the requirements of Nb / t47044, API600 and other standards

Connection: welding, flange, clamp

Transmission mode: handle, worm gear, pneumatic, electric, hydraulic, pneumatic hydraulic linkage

通用阀门系列

General purpose valves

蝶阀

Butterfly valve

蝶阀采用三偏心和二偏心结构，符合API609标准，具有双向安装，重量轻，扭矩小等特点，在许多工况下，不但可以做为流体阻断，更可以用于流体过程控制来取代传统闸阀，截止阀和球阀。

The butterfly valve is three eccentric and two eccentric structure, which meets the API609 standard. It has the characteristics of two-way installation, light weight and little torque. In many working conditions, it can be used not only for fluid blocking, but also for fluid process control to replace traditional gate valves, globe valves and ball valves.

设计特点:

- 无摩擦关闭
- 零泄露
- 三偏心，双偏心
- 防吹出阀杆结构
- 可选加长阀杆
- 口径：3"-80" (DN80-DN3000)
- 压力级：ANSI 150LB-600LB, PN6 ~ PN100
- 阀体材料：铸造碳钢、不锈钢、合金钢等
- 连接方式：对夹式，双耳式，双法兰式等
- 操作方式：手动、蜗轮、电动等

Design features:

- Frictionless closure
- Zero leakage
- Three eccentricity and double eccentricity
- Blow out valve stem structure
- Optional lengthening stem
- Diameter: 3"-80" (DN80-DN3000)
- Pressure: ANSI 150LB-600LB, PN6 ~ PN100
- Body material: Carbon steel, Stainless steel, Alloy steel
- Connection: Pair clip, double ear, double flange
- Operation mode: Manual, turbine, Electric power



小口径锻钢阀门

闸阀、截止阀、止回阀

Small caliber forged steel valves

Gate valve, Globe valve, Check valve

小口径锻钢阀门包括闸阀、截止阀和止回阀（旋启和升降），符合美国石油协会API602标准，体盖之间采用螺栓连接或者体盖焊接结构，结构紧凑。闸阀和截止阀可以采用波纹管密封和填料密封双重密封结构。

Small caliber forged steel valves include gate valves, globe valves and check valves (screwing and lifting), in line with the American Petroleum Association. According to API602 standard, bolted joints or body cover welded structures are used to forge rigid gate. Gate valves and globe valves can be sealed with bellows and packing seals.

小口径锻钢阀门

Small caliber forged steel valves

设计特点:

- 体盖采用螺栓连接或体盖焊接结构
- 明杆支架结构
- 截止阀阀瓣可采用针型或锥型
- 可选缩径和全径结构
- 可采用波纹管密封结构



Design features:

- Valve cover is welded by bolt connection or body cover
- Rigid sluice
- Cut-off valve disc may be needle type or cone type
- Optional shrinkage and full diameter structure
- Bellows seal structure can be used

- 口径：1/2"-2" (DN15-DN50)
- 压力级：ANSI 150LB-2500LB
- 阀体材料：碳钢、不锈钢、合金钢
- 连接：焊接、法兰
- 操作方式：手动、齿轮、电动、气动、液动
- Diameter: 1/2"-2" (DN15-DN50)
- Pressure: ANSI 150LB-2500LB
- Body material: Carbon steel, Stainless steel, Alloy steel
- Connection: welding, flange
- Mode of operation: manual operation, gear, electric, pneumatic, hydraulic



减温减压装置

Temperature and pressure reduction device



减温减压装置由减压系统（减温减压阀，节流孔板等）、减温系统（高压差给水调节阀，节流阀等）、安全保护装置（安全阀，止回阀）等组成。

The temperature and pressure reducing device consists of pressure reducing system (temperature and pressure reducing valve, throttle orifice, etc.), temperature reducing system (high pressure differential water supply control valve, throttle valve, etc.), safety protection device (safety valve, Check valve), etc.

设计特点:

1. 采用减温减压阀，使整套装置的长度大大缩短，减少了占地面积，降低了工程投资。
2. 减温减压阀内设有节流网罩，增强了减温水的雾化效果，保护了阀座及阀体，延长了阀门的使用寿命，同时也降低了装置的噪音。
3. 温度调节系统采用高压差给水调节阀，既减小了阀门的泄漏量，也省去了装置传统结构中给水分配阀的回水支路，方便了装置的布局。
4. 同一口径的高压差给水调节阀由不同的流量系数CV值可供选择，使温度调节系统的调节灵敏度及精确度大大提高。
5. 减温减压阀、给水调节阀配用直行程执行机构，去除了传统的杠杆铰链机构，减少了中间环节的空行程，进一步提高了调节系统的灵敏度及精确度。

Design features:

1. The temperature and pressure reducing valve is adopted to greatly shorten the length of the whole device, the floor area is reduced and the project investment is reduced.
2. The temperature and pressure reducing valve is provided with a throttle net cover to enhance the mist of the desuperheating water chemical effect, protect the valve seat and valve body, and prolong the service life of the valve service life and reduce the noise of the device.
3. The temperature control system adopts high-pressure differential water supply control valve, which reduces the leakage of the valve also saves the water supply in the traditional structure of the device the return water branch with valve facilitates the layout of the device.
4. The high-pressure differential feed water control valve of the same caliber has different flow coefficients the CV value can be selected to make the adjustment sensitivity of the temperature control system and the accuracy is greatly improved.
5. The temperature and pressure reducing valve and the feed water regulating valve are equipped with a straight stroke actuator, it eliminates the traditional lever hinge mechanism and reduces the idle stroke, further improving the sensitivity and accuracy of the regulating system degrees.

主要性能指标:

Main performance indicators:

1. 进口蒸汽压力: P1: 3-25 Mpa, 进口蒸汽温度: T1: 200-610°C。
Inlet steam pressure: P1: 3-25 MPa; inlet steam temperature: T1: 200-610 °C.
2. 出口流量Q变化范围为 30%Q-100%Q (若有特殊要求, 可与本公司技术处协商另定)。
The variation range of outlet flow Q is 30% q-100% Q (if there are special requirements, it can be negotiated with the technical department of the company).
3. 出口蒸汽压力P2的调节精度不低于2.5级。
The adjustment accuracy of outlet steam pressure P2 shall not be lower than grade 2.5.
4. 出口蒸汽温度T2的调节精度不低于2.5级。
The adjustment accuracy of outlet steam temperature T2 shall not be lower than grade 2.5.
5. 噪音: 装置正常动行时, 在减温减压阀(减压阀)出口中心线同一水平面下游一米, 同时距管壁一米处测其噪声, 总体噪音水平不大于80分贝。
Noise: during normal operation of the unit, the noise shall be measured one meter downstream of the same horizontal plane of the outlet center line of the temperature and pressure reducing valve (pressure reducing valve) and one meter away from the pipe wall. The overall noise level shall not be greater than 80 dB.

水泵专用阀门

Water pump Special valve



最小流量循环阀

设计特点:

多级串联涡流与孔板降压
节流与密封分离
内件硬化处理
口径: 2"-8"
压力级: ANSI 1500LB-3500LB
阀体材料: A105、WB36、F91、F92、WCB、WC6、WC9
操作方式: 电动、气动

The minimum flow recirculation valve

Design features:

Reduction volt age of multistage vortex and orifice plate
Separation of sealing and throttle down
Hardening treatment of internal parts
Diameter: 2"-8"
Pressure: ANSI 1500LB-3500LB
Body material: A105, WB36, F91, F92, WCB, WC6, WC9
Mode of operation: electric, pneumatic

自控回流阀门(自循环止回阀)

安装在给水泵出口管道上, 阀门既有止回阀功能, 又有最小流量功能的自动调节阀门。
Installed in the pump outlet pipe, valve has a check valve function, automatic regulating valve and the minimum flow function.



设计特点:

阀门为T型、四通型结构
主通道低流阻, 纺锤形阀瓣, 弹簧辅助关闭
旁路通道多级串联减压结构
密封硬质合金
最高压力级: ANSI 1500LB
最大口径: 10"
连接: 法兰、焊接

Automatic return valve (self circulation check valve)

Design features:

Valves for the T type, four way type structure
The main channel of low flow resistance spindle shaped valve, spring assisted closure
A bypass passage multi-stage decompression structure
Seal hard alloy
The highest pressure: ANSI 1500 LB
The maximum diameter: 10"
Connection: flange, welding

氧气阀门 Oxygen valve



设计特点:

球形阀体，受力均匀
大口径增设副阀瓣
阀瓣全程导向
升降阀杆设计
阀体的端法兰上备有接地螺栓
阀杆的外露部分均有保护措施
支架轴承的润滑采用氟化脂
支架框架处装有有机玻璃盖板，有明显的“禁油”标记

口径: NPS $\frac{1}{2}$ ~ NPS24、DN15 ~ DN600
压力级: Class150 ~ Class1500、PN16 ~ PN250
最高温度: -60°C~250°C
铸造材料: WCB、CF8、CF8M、CF3、CF3M、LCB、LCC、ZCuZn16Si4、ZCuZn33Pb2
锻造材料: A105、F304、F316
连接: 法兰
操作方式: 手轮、锥齿轮



Design features:

Spherical valve body, uniform stress
Add auxiliary valve disc for large-diameter valve
Disc full range guidance
Lifting valve stem design
The end flange of the valve body is provided with grounding bolts
The exposed parts of the valve stem are protected
Fluorinated grease is used for lubrication of support bearing
The support frame is equipped with plexiglass cover plate with obvious "no oil" mark

Caliber: NPS $\frac{1}{2}$ ~ NPS24、DN15 ~ DN600
Pressure level: class150 ~ class1500, PN16 ~ PN250
Maximum temperature: - 60 °C ~ 250 °C
Casting materials: WCB, CF8, CF8M, CF3, cf3m, LCB, LCC, zcuZn16si4, zcuZn33pb2
Forging materials: A105, f304, F316
Connections: Flanges
Operation mode: handwheel, bevel gear



低温阀门系列 Low temperature valve



闸阀
Gate valve

设计特点:

采用优质的填料密封结构
闸阀: 弹性楔形闸板
截止阀: 采用全程导向阀瓣
止回阀: 内置式悬吊阀瓣
球阀: 阀芯上开设减压孔的构造
密封硬质合金结构

口径: NPS2 ~ NPS36、DN50 ~ DN900
压力: Class150 ~ Class900、PN16 ~ PN160
材质: 碳钢、不锈钢、合金钢、双相钢
连接: 法兰、焊接
操作方式: 手动、齿轮传动、电动、气动



锻钢低温升降式止回阀
Forged steel low temperature lifting Check valve

闸 阀 截止阀
止回阀 球 阀
Gate valve Globe valve
Check valve Ball valve



截止阀
Globe valve

Design features:

High quality packing sealing structure is adopted
Gate valve: elastic wedge
Stop valve: adopt full range guide valve disc
Check valve: built-in suspended disc
Ball valve: structure with pressure reducing hole on the valve core
Sealed hard alloy structure

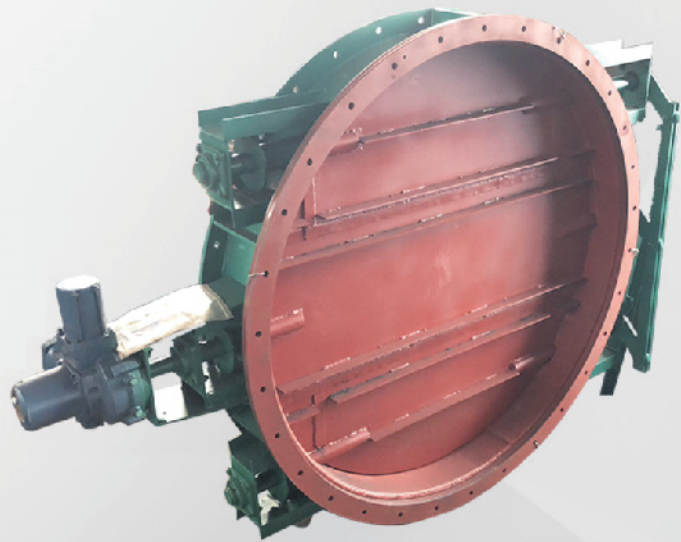
Caliber: NPS2 ~ nps36, DN50 ~ dn900
Pressure: class150 ~ class900, PN16 ~ pn160
Material: carbon steel, stainless steel, alloy steel, dual phase steel
Connection: flange, welding
Operation mode: manual, gear drive, electric, pneumatic



球阀
Ball valve

冶金行业专用阀门

Metallurgical industry Special valve



风冷阀

Air cooled valve

设计特点:

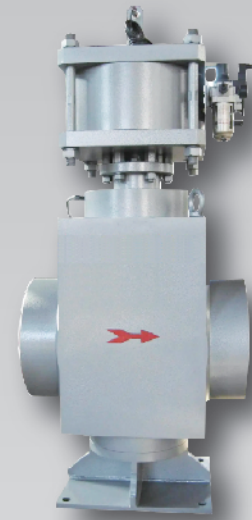
阀门偏心设计
具有耐磨性好, 操作稳定可靠、泄漏率小使用寿命长、安装维修方便。
工作介质: 烟气、空气
工作温度: 250°C以下
连接: 焊接、法兰
操作方式: 气动、电动

Design features:

Valve eccentric design
It has good wear resistance, stable and reliable operation, small leakage rate and long service life
Easy installation and maintenance.
Working medium: flue gas, air
Operating temperature: below 250 °C
Connection: welding, flange
Operation mode: pneumatic, electric

除磷阀

Dephosphorization valve



设计特点:

阀门采用柱塞式滑阀结构;
柱塞选用2Cr13不锈钢, 进行调质处理, 表面镀硬铬, 光洁度高、摩擦阻力小, 耐磨、抗擦伤性能好;
阀座采用镶套式结构, 拆卸维修方便;
阀门的关键零部件均采用特种合金材料, 经特殊工艺处理, 具有耐磨性能好, 抗腐蚀性能强等优异性能;
结构紧凑, 运作灵敏, 换向频率高, 抗污能力强;
工作介质: 工业浊环水, 颗粒度<1000Hm
工作温度0~60° C
连接: 焊接
操作方式: 气动、液动

Design features:

The valve adopts plunger type slide valve structure;
The plunger is made of 2Cr13 stainless steel, which is quenched and tempered, and the surface is plated with hard chromium, High finish, low friction resistance, good wear resistance and scratch resistance;
The valve seat adopts the inlaid structure, which is convenient for disassembly and maintenance;
The key parts and components of the valve are made of special alloy materials and treated by special processes, It has good wear resistance, strong corrosion resistance and other excellent properties;
Compact structure, sensitive operation, high commutation frequency and strong anti pollution ability;
Working medium: industrial turbid circulating water, particle size<1000Hm
Operating temperature 0~60 ° C
Connections: welding
Operation mode: pneumatic, hydraulic

全口径管线阀

平板闸阀

设计特点:

设计标准: API6D
防火设计
低泄漏控制
可选单平闸板或双平板结构
双向阻塞及泄放功能
中腔压力过载自排放功能
口径: 2"-48"
压力级: ANSI 150LB-2500LB
阀体材料: 碳钢、不锈钢
内件材料: 软密封、金属密封
操作方式: 手动、齿轮、电动、气动、液动



Full diameter pipeline valve

Gate valve

Design features:

Design Standard: AIP6D
Fire protection design
Low leakage control
Optional single flat gate or double plate structure
Bidirectional blocking and discharging function
Pressure in the chamber from the discharge function overload
Diameter: 2"-48"
Pressure: ANSI 150LB-2500LB
Body material: carbon steel, stainless steel
Trim material: soft sealing, metal seal
Mode of operation: manual operation, gear, electric, pneumatic, hydraulic

球阀

设计特点:

设计标准: AIP6D
防火设计
低泄漏控制
双向阻塞及泄放功能
中腔压力过载自排放功能
口径: 2"-48"
压力级: ANSI 150LB-2500LB
阀体材料: 碳钢、不锈钢
内件材料: 软密封、金属密封
操作方式: 手动、齿轮、电动、气动、液动



Ball valve

Design features:

Design Standard: AIP6D
Fire protection design
Low leakage control
Bidirectional blocking and discharging function
Pressure in the chamber from the discharge function overload
Diameter: 2"-48"
Pressure: ANSI 150LB-2500LB
Body material: carbon steel, stainless steel
Trim material: soft sealing, metal seal
Mode of operation: manual operation, gear, electric, pneumatic, hydraulic

止回阀

设计特点:

设计标准: API6D
流线型流道
旋启式阀瓣
低泄漏控制
口径: 2"-48"
压力级: ANSI 150LB-2500LB
阀体材料: 碳钢、不锈钢
内件材料: 金属密封
连接: 法兰



Check valve

Design features:

Design Standard: AIP6D
The streamlined channel
Swing valve
Low leakage control
Diameter: 2"-48"
Pressure: ANSI 150LB-2500LB
Body material: carbon steel, stainless steel
Trim material: metal seal
Connection: flange

API6A主要产品

The main products of API6A

闸阀

设计标准: API6A

锻造阀体、阀盖

低操作扭矩

配置润滑油嘴

压力级: ANSI 3000、5000、10000PSI

口径: 1 13/16---4 1/16

连接: 螺纹、法兰

Gate valve

Design Standard: API6A

Forging valve body, bonnet

Low operating torque

Configure Lubricating oil nozzle configuration

Pressure: ANSI 3000, 5000, 10000PSI

Diameter: 1 13/16---4 1/16

Connection: thread, flange



滚球丝杠闸阀

设计标准: API6A

锻造阀体、阀盖

低操作扭矩

平衡尾杆结构

配置润滑油嘴

压力级: ANSI 3000、5000、10000PSI

口径: 1 13/16---4 1/16

连接: 螺纹、法兰

Ball guide screw gate valve

Design Standard: API6A

Forging valve body, bonnet

Low operating torque

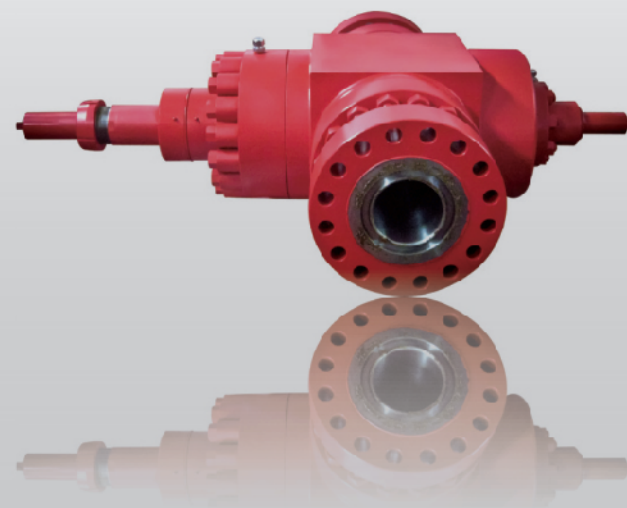
Balance tail rod structure

Configure Lubricating oil nozzle configuration

Pressure: ANSI 3000, 5000, 10000PSI

Diameter: 1 13/16---4 1/16

Connection: thread, flange



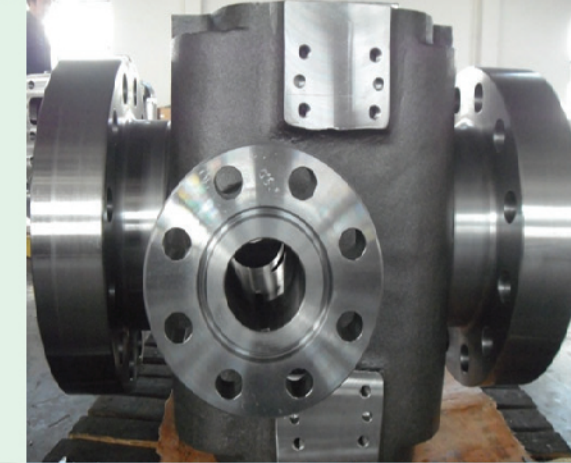
井口设备

Wellhead equipment



套管头、油管头、三通、四通、防喷器等石油专用机械产品部件

The casing head, tubing head, three-way, four-way, BOP special petroleum machinery parts



设计标准: API6A

材料: 锻造合金钢

压力级: 2000、3000、5000、10000、15000PSI

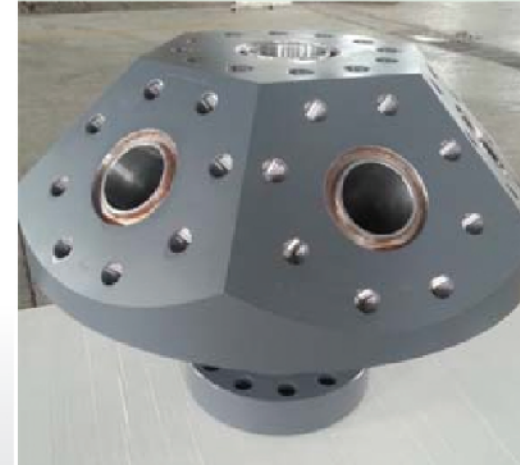
连接: 法兰

Design standard: API6A

Material: alloy steel forging

Pressure: 2000, 3000, 5000, 10000, 15000PSI

Connection: flange



加氢阀

Hydrogenation valve

用于有高压、高温和临氢(并含有硫化氢)场合,其最高压力42MPa,最高温度550°C。

For high pressure, high temperature and hydrogen (and containing hydrogen sulfide) occasion, the maximum pressure is 42MPa, the maximum temperature of 550°C

闸阀、截止阀、Y型截止阀、止回阀

设计特点:

设计标准: ASME B16.34

阀门试验: AP 598

中腔压力自密封、阀体自密封部位堆焊不锈钢内衬

闸阀: 弹性楔形闸板

截止阀: 密封二次节流技术、阀瓣全程导向

止回阀: 内置式悬吊阀瓣

密封硬质合金

复合填料加碟簧活载荷

最大口径: 24"

最高压力级: ANSI 2500LB

铸造材料: WCB, WC 6, WC 9, CF8C等

锻造材料: A105, F11, F22, F321

冶炼方法: 中频炉+AOD

特殊要求: $S \leq 0.015$, $P \leq 0.020$

无损探伤: 逐件射线探伤、铁磁性湿磁粉探伤、
不锈钢PT探伤

操作方式: 手动、齿轮、电动



Gate valve, globe valve, Y type globe valve, check valve

Design features:

Design standard: ASME B16.34

Valve test: API 598

Cavity pressure self sealing, self sealing parts welding stainless steel lining

Gate valve: Flexible wedge

Globe valve: Seal the secondary reduce expenditure technology and the entire process oriented

Check valve: Valve disc with hangs and built-in valve body

Seal hard alloy

Composite filler with disc spring live load

The maximum diameter: 24"

The highest pressure: ANSI 2500LB

Casting material: WCB, WC 6, WC 9, CF8C etc.

Forging materials: A105, F11, F22, F321

Smelting method: Intermediate frequency furnace +AOD

Special requirements: $S \leq 0.015$, $P \leq 0.020$

NDT: each valve by one ray testing, ferromagnetic wet magnetic particle inspection, inspection of stainless steel PT

Mode of operation: manual operation, gear, electric

部分业绩表 Partial Performance Table

1000MW机组业绩		
用户	机组容量	阀门名称
国能(连江)港电有限公司	2×1000MW	闸阀、截止阀、止回阀、调节阀
淮南平圩第三发电有限责任公司	2×1000MW	闸阀、截止阀、止回阀、调节阀
广东大唐国际雷州发电有限责任公司	2×1000MW	闸阀、截止阀、止回阀
大唐东营发电有限公司	2×1000MW	闸阀、截止阀、止回阀
华电国际电力股份有限公司邹县发电厂	2×1000MW	闸阀、截止阀、球阀、止回阀
江苏华电句容发电有限公司	2×1000MW	闸阀、截止阀、止回阀、蝶阀
华能沁北发电有限责任公司	1×1000MW	闸阀、截止阀、止回阀、调节阀、蝶阀
广东华夏西电厂	2×1240MW	闸阀、截止阀、止回阀
国电蒙东煤电一体化有限公司	2×1000MW	闸阀、截止阀、止回阀
国家电投集团协鑫滨海发电有限公司	2×1000MW	憋压阀
华润电力(海丰有限公司)	2×1050MW	闸阀、截止阀、止回阀
国电泰州发电有限公司	2×1000MW	闸阀、截止阀、止回阀
大唐南京热电有限责任公司	2×1000MW	闸阀、截止阀、止回阀
江苏射阳港发电有限责任公司	2×1000MW	闸阀、截止阀、球阀、止回阀
600-660MW机组业绩		
阳城国际发电有限责任公司	2×660MW	闸阀、截止阀、止回阀、调节阀
河南龙泉金亨电力有限公司	2×660MW	闸阀、截止阀、止回阀、调节阀
华电新疆准东五彩湾发电有限公司	2×660MW	闸阀、截止阀、止回阀、调节阀
安徽淮南平圩发电有限责任公司	2×660MW	闸阀、截止阀、止回阀、球阀
河南华润电力首阳山有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
陕西华电榆横煤电有限责任公司	2×660MW	蝶阀、截止阀
华电内蒙古能源有限公司土默特发电分公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐平罗发电有限公司	2×660MW	闸阀、截止阀、止回阀
江苏大唐国际吕四港发电有限责任公司	4×660MW	闸阀、截止阀、止回阀
湖北能源集团鄂州发电有限公司	2×600MW	闸阀、截止阀、止回阀
内蒙古大唐国际锡林浩特发电有限责任公司	2×660MW	闸阀、截止阀、止回阀
大唐湘潭发电有限责任公司	2×600MW	闸阀、截止阀、止回阀
内蒙古大唐国际托克托发电有限责任公司	2×600MW	闸阀、截止阀、止回阀
华润电力(菏泽)有限公司	2×645MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
福建华电邵武发电有限公司	2×660MW	闸阀、截止阀、止回阀
湖北华电江陵发电有限公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华润电力焦作有限公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华电内蒙古能源有限公司包头分公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
濮阳龙丰热电有限责任公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
湖南华润鲤鱼江有限公司	1×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
天津华电南疆热电有限公司	2×900MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
阜阳华润电力有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
陕西华电蒲城发电有限责任公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
国电康平发电有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
中国华电集团有限公司江苏望亭发电分公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
湖南华电长沙发电有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
福建大唐国际宁德发电有限责任公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀

部分业绩表 Partial Performance Table

国电电力大同发电有限公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
辽宁华电铁岭发电有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华电渠东发电有限公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
鄂尔多斯北源热电有限责任公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
山东日照发电有限公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐秦岭发电有限公司	2×660MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐三门峡发电有限责任公司	2×600MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
300-350MW机组业绩		
华能国际电力股份有限公司大连电厂	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐临清热电有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华电国际电力股份有限公司天津开发区分公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华电潍坊发电有限公司	2×330MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
包头东华热电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
贵州华电大龙发电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
洛阳伊川龙泉坑口自备发电有限公司	3×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
重庆市南川区水江镇中涪南热电厂	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
广州华润热电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
湖南华润电力鲤鱼江有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
江苏常熟发电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
鹤壁煤电股份有限公司热电	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
河北大唐国际唐山热电有限责任公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大连国电开发区热电厂	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
洛阳双源热电有限责任公司	1×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐灞桥热电厂	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华电武昌热电有限公司	1×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
辽宁大唐国际葫芦岛热电有限责任公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
陕西华电杨凌热电有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
福建华电永安发电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐清苑热电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
内蒙古能源发电准大发电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
浙江大唐国际绍兴江滨热电有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
河北大唐国际唐山北郊热电有限责任公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
重庆大唐国际石柱发电有限责任公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
福建华电邵武能源有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
华润电力唐山丰润有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
辽宁大唐国际沈东热电有限责任公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
江苏华电仪征热电有限公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐信阳华豫发电有限责任公司	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
内蒙古能源呼和浩特金山热电厂	2×300MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐安阳发电有限责任公司	2×320MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
大唐八零三热电有限公司	2×330MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀
贵州华电毕节热电有限公司	2×350MW	闸阀、截止阀、止回阀、球阀、蝶阀、调节阀

部分业绩表 Partial Performance Table

石油化工及冶金领域业绩

Performance table in petrochemical and metallurgical fields

用户	阀门名称
中国石油天然气股份有限公司辽阳石化分公司	闸阀、止回阀、蝶阀、截止阀等
陕西陕化煤化工集团有限公司	高压差截止阀、球阀、闸阀等
鄂尔多斯市乌兰煤炭(集团)有限责任公司	双向密封旋球阀、暗杆弹性座封闸阀、疏水阀、截止阀、闸阀、疏水器等
北方华锦化学工业股份有限公司	闸阀、截止阀、蝶阀、球阀等
新乡化纤股份有限公司	丝扣截止阀、氨截止阀、法兰截止阀、碳钢球阀、衬氟蝶阀等
北京中丽制机工程技术有限公司-年产1.5万吨Lyocell纤维生产线建设项目	截止阀、球阀、蝶阀、闸阀、疏水阀、球阀等
开封龙宇化工有限公司	截止阀、球阀、蝶阀、闸阀、疏水阀、球阀等
国家能源集团宁夏煤业有限责任公司-神华宁煤400万吨/年煤炭间接液化项目净化装置	高温高压锻钢闸阀、截止阀、止回阀等
焦作万方铝业股份有限公司	高压差耐冲刷快换疏水截止阀、止回阀、闸阀、刀阀等
广西贵港钢铁集团有限公司	截止阀、球阀、蝶阀等
成都交通油料能源股份有限公司	闸阀、蝶阀、止回阀等
陕西陕化煤化工集团有限公司	闸阀、截止阀、球阀、蝶阀等
新疆心连心能源化工有限公司	抽汽止回阀、蝶阀、闸阀等
开封龙宇化工有限公司	截止阀、球阀、蝶阀、闸阀等
焦作众合未来铝业有限公司	闸阀、蝶阀、球阀、截止阀等
河北中翔能源有限公司	截止阀、球阀、蝶阀、闸阀、疏水阀、球阀等
河北富越化工科技有限公司	截止阀、球阀、蝶阀、闸阀、疏水阀、球阀等
沧州中铁装备制造材料有限公司	截止阀、球阀、蝶阀、闸阀、疏水阀、球阀等
河北纵横集团丰南钢铁有限公司	截止阀、球阀、蝶阀、闸阀、疏水阀、最小流量阀等
湖北晋控气体有限公司年产55万吨氨醇技术升级改造项目	釜底放料阀、电动闸阀, 低温电动闸阀