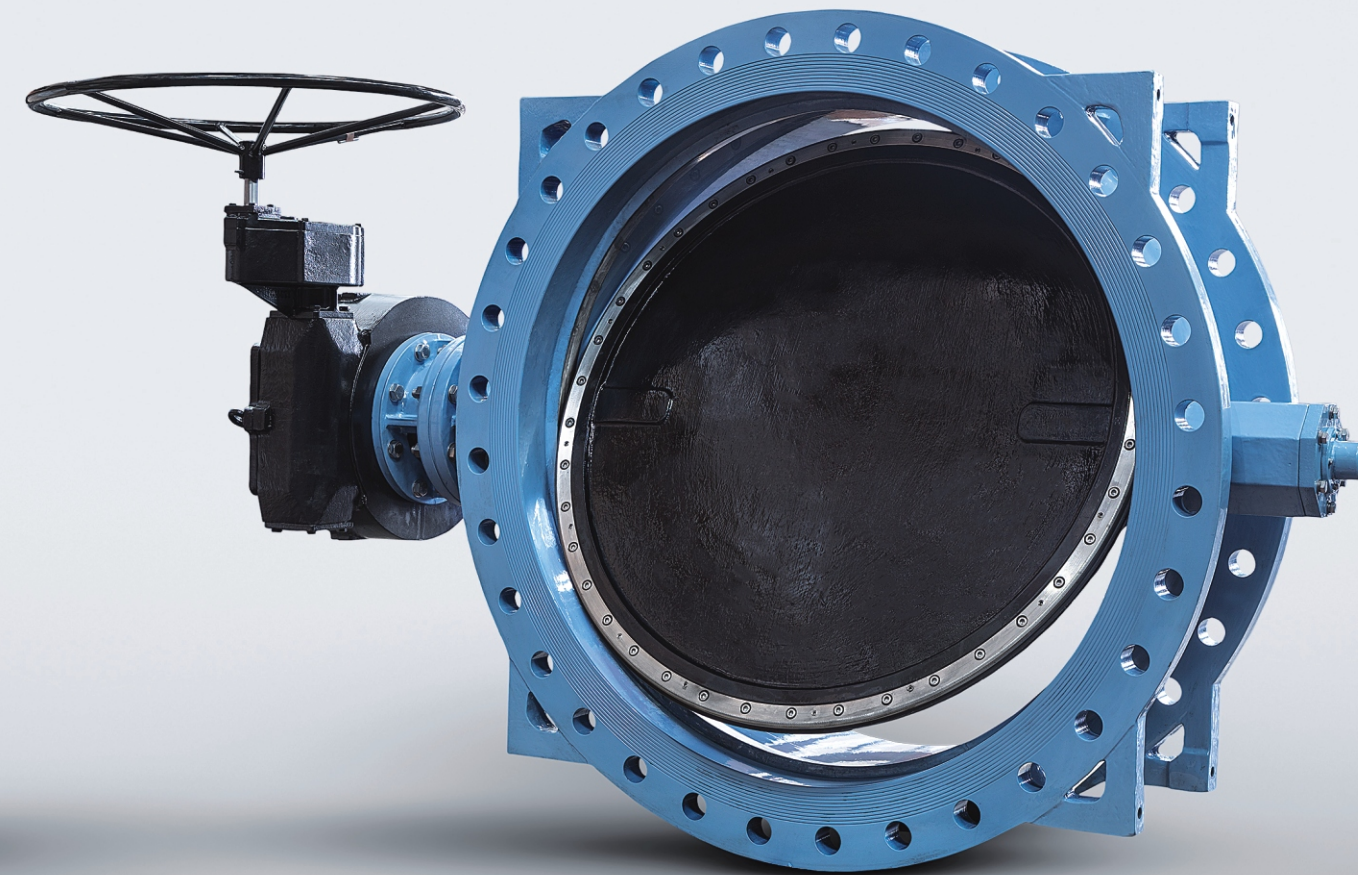
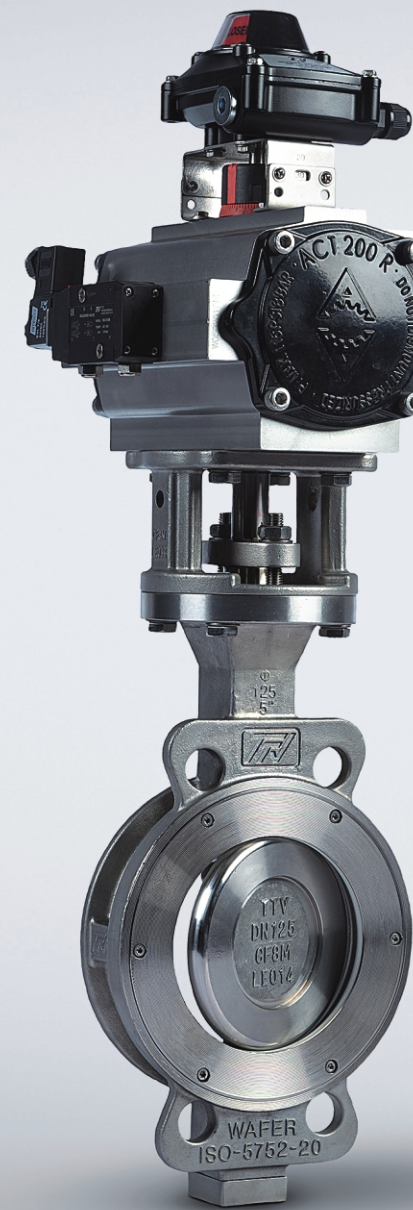




ZZ71A



Valves & Technology





► 公司介绍

Our company

TTV自1982年创立，通过团队的不懈努力，公司经历了一系列的蜕变成长，取得了丰富的产品技术创新成果。

TTV以客户服务为理念，使之成为阀门服务行业的基准之一。

2005年，公司新一代管理层接管了公司的运转，在创新和国际预测方面取得了巨大成功。我们与大型工业公司签订了多项贸易协议，大大提升了我们的品牌的国际知名度。

之后，在2009年，随着公司开拓其他行业的坚实政策，TTV完成了对JC集团的收购，从而成立了西班牙最大的阀门制造企业TTV-JC阀门集团。TTV-JC集团可以提供高品质，多种类的阀门以及相关配套产品。

悠久的历史、对行业的深厚了解以及拥有众多优秀的经验丰富的公司员工，使TTV成为当前阀门工业领域中最有前途的公司之一。

The history of TTV since it was founded in 1982, has always been about a continuous growth thanks mainly to our team, which is one of the fundamental pillars of our organization, and to the continuous development of technical innovations in our products.

Our philosophy of family business focused on customer service has made TTV a benchmark in the valve industry.

In 2005, a new generation of the family takes over the direction of the company, achieving success in innovation and international projection. Several trade agreements with large industrial companies are signed, which greatly increase the international impact of the brand.

Later in 2009 and following a strong policy of expansion into other sectors, TTV completes the acquisition of JC Group, thus setting up the largest manufacturing group in Spain, TTV-JC Valve Group. TTV-JC group can offer supplies with the most strict quality requirements and with a wide range of references and types of valves.

The long history of the company, the deep knowledge of the industry and our experienced and dedicated staff make TTV one of the most promising companies in the current industrial landscape.



公司总部位于西班牙马德里，由一支50人的团队组成。整个集团分支遍布全球，拥有超过400名雇员。这是一个高素质的工作团队，TTV团队成员不断地接受最新技术的培训，团队年龄层分部合理，既保证了丰富的经验，又充满活力。

我们相信，留在阀门制造业最前沿的唯一方法，就是不断学习与创新。通过持续不断的进步，TTV已在工业阀门应用领域得到世界的认可。

感谢我们的团队，使我们能够为客户提供全球服务。从技术建议，到阀门选型，再到设计和制造具有特殊工况要求的阀门，我们将提供最优质的服务。

“
全球有超过400名的员工
*More tan 400 employees
around the world*
”

Our team is formed by more than 50 people at the headquarters in Madrid even though our human team is composed of more than 400 employees distributed in the different headquarters of the group around the world. It is a highly qualified staff, constantly receiving training in the latest technologies and combining youth and experience.

We believe that the only way to stay at the forefront of the valve manufacturing is to learn and put into practice new ideas continually. Due to these constant improvements we are a company recognized worldwide in the field of applications of industrial valves.

Thanks to our team we are in a position to offer our clients a global service, from technical advice to choose the proper valve as well as design and manufacture of valves with special service requirements.



高素质的专业工作人员、多元文化的工作环境以及协同共进是TTV的企业理念。

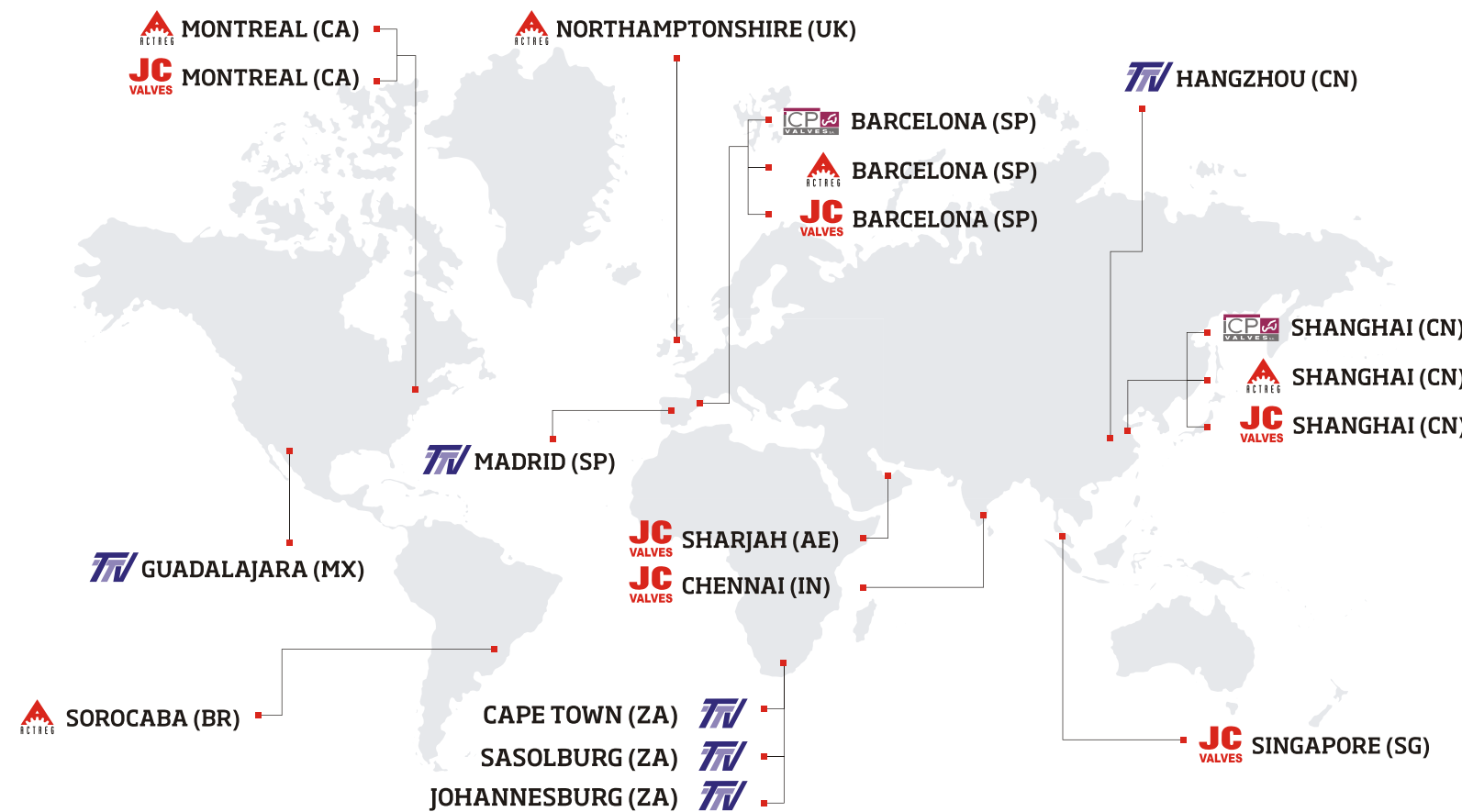
Highly qualified professionals, multicultural environment and collaborative working are the hallmark of TTV.

01

公司介绍

About us

► 公司位置分布 / Location



Valves & Technology

www.ttv.es



The quality option

www.jc-valves.com



The art of power and perfection

www.actreg.com



A valve for every need

www.icp-valves.com

TTV公司总部设立在西班牙（马德里），同时我们在西班牙（马德里）、中国（杭州）、墨西哥（哈利斯科州）和南非（约翰内斯堡，萨索尔堡和开普敦）的工厂，从设计到制造，以及对产品的要求，都协同一致，遵循共同的标准。

TTV着重设计，生产以及品质。
我们在全球都拥有广泛的分销商和合作伙伴

TTV's headquarters are located in Spain (Madrid), where all operations of our factories in Spain (Madrid), China (Hangzhou), Mexico (Jalisco) and South Africa (Johannesburg, Sasolburg and Cape Town) are coordinated, from design to manufacture.

TTV's activity focuses on the design, production and quality. We have a wide network of channel distributors and partners worldwide.



TTV马德里



JC-ICP巴塞罗那



Actreg巴塞罗那



TTV南非约翰内斯堡



JC-Actreg加拿大蒙特利尔



JC-ICP上海



Actreg巴西索罗卡巴



TTV杭州



Actreg上海



TTV 墨西哥



JC 新加坡



Actreg英国汉普顿



JC印度金奈



JC阿联酋沙迦



02

公司坐标

Location

► 生产 / Production



TTV拥有最先进的设备，来用于产品生产，质量接收控制，阀门组装以及质量测试。所有与制造相关的活动由我们的工作人员在TTV自己的设施中进行。

TTV不断投资并改进生产，以求得更高的质量及效率。我们与欧洲和亚洲的批准铸造厂合作，要求我们的供应商履行最高要求，保证产品质量水平。

TTV可以提供很短的交货期，因为，我们的仓库内有大量的阀门和零件库存。这些库存不但包含标准材质，还有许多的特殊材质。我们的操作灵活性还使我们可以根据需要进行特殊制造，例如用于喷涂系统需要特殊涂层如Halar，Ebonite等的无硅阀；我们还为食品行业提供镜面抛光阀门和适用于真空服务的阀门等一系列特殊工况阀门。

在产品交付时，我们包装精密，根据目的地国家的法律，使用不同的包装材质，以保证阀门的安全装运。



TTV's facilities have the most technologically advanced equipment for components transformation, quality control at the reception, valves assembly and quality testing. All the activities related to manufacture are carried out by our personnel in TTV's own facilities.

TTV makes constant investments and improvements to produce with greater quality, efficiency and effectiveness. We work with approved foundries in Europe and Asia and demand a high commitment and level of quality from our suppliers.

TTV can give very short delivery times as we have got a large stock of valves and spare parts in our facilities. Not only for standard manufacture, but also for exotic alloys and materials. The flexibility in our operations also allows us to make special manufacture on demand, such as Silicone free valves for painting systems or different special coatings such as Halar, Ebonite, etc ... We also offer polished finishes for the food sector and solutions suitable for vacuum services.

For the delivery of the product, we take great care in the packing, using different materials according to the laws of the destination country to guarantee a safe shipment of the material.



“ 不断的技术改进

Constant investments
in technology ”



03

生产

Production

► 应用及参考 / Applications and references

TTV 阀门已在全球供应、安装并应用。
TTV 阀门得到了深度的国际认可，在不同行业中是
极具竞争力：

应用领域：

船舶建造及海洋工程
供水
灌溉
暖气，空调
建造业
发电
食品工业
造纸业
化工和石化
矿业
钢铁行业
石油工业
制糖业
水泥工业
制药业

TTV valves have been supplied, installed and tested in facilities worldwide.
They have a great international acceptance, being a highly competitive
product in different industries:

Sectors

Shipbuilding and offshore
Water supply
Irrigation
Heating, air conditioning
Construction
Power generation
Food industry
Paper mills
Chemical and petrochemical
Mining
Steel industry
Oil industry
Sugar Mills
Cement industry
Pharmaceutical industry

客户/ Clients



“ 全球质保及售后
Warranty and after-sales
service worldwide ”



04

应用及参考

Applications and references

► 质保 / Quality assurance

批准及认证证书 / Approvals and certifications



认证检查机构 / Certification and inspection bodies



TTV阀门的设计和制造符合最权威的国际标准：API609，BS5155，EN593，AWWA C504，JIS，PN6，PN10，PN16，PN25，PN40，150级，300级，600级，等等。

TTV已取得ISO 9001质量管理体系：2008年，TTV通过英国劳氏船级社的认证，使得每道工序的质量，从设计到生产，以及从销售管理到售后服务等，得以保证。一系列认证保证了公司的产品的卓越品质。

TTV阀门自交货之日起质保1年。根据ISO5208，每个阀门在发货前，都会进行阀门双向压力测试，以检测密封性能。我们能承受最具权威的第三方实体测试，SGS，BV，LRS，ABS，并根据客户的要求进行破坏性或非破坏性测试。



TTV valves are designed and manufactured to comply with the most important international standards: API 609, BS 5155, EN 593, AWWA C504, JIS, PN6, PN10, PN16, PN25, PN40, Class 150, Class 300, Class 600, etc.

TTV has got a Quality Management System according to ISO 9001: 2008 certified by Lloyd's Register through regular audits, which assure the quality in every process from design to manufacturing of valves and from sales management to after sales service. A wide range of certificates and approvals guarantee the company's excellent quality trajectory.

TTV guarantees valves for 2 years from delivery date. Every TTV valve is hydrostatically and bidirectionally tested according to ISO 5208 before shipping. We can stand third part inspections of the most significant entities, SGS, BV, LRS, ABS and perform destructive or non-destructive tests according to the client's requirements.



05

品质保证

Quality assurance

我们的产品

Our Product

我们拥有超过30年的研发经验，使我们的阀门拥有如下特性：

- 减少尺寸和重量。
- 快速装配及拆卸。
- 低操作扭矩。
- 手动及电气、气动、液压自动化操作。
- 自动清洁及免维护。
- 蝶阀设计带来的完全密封和最小泄漏率。
- 全面的保修及售后服务。
- 一体式阀门，干轴设计，防吹出阀杆。
- 阀体表面标配Rilsan®涂层（C5 / C5M，根据ISO 12944）。
- 适用于绝大多数国际标准。

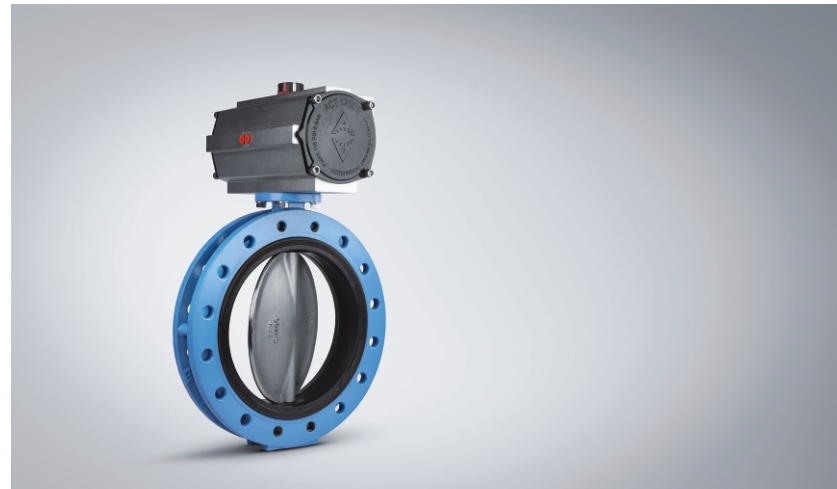
With over 30 years of R & D behind us, we have provided our valves with excellent additional features:

- Reduced dimensions and weights.
- Quick assembly and disassembly.
- Low operating torque.
- imple manual regulation and electrical, pneumatic and hydraulic automation.
- Auto cleaning and maintenance free.
- Fully tightness and minimum leakage due to the aerodynamic butterfly design.
- Full guarantee and after sales service.
- One piece and dry shaft with anti-blowout system.
- Rilsan® coating (C5 / C5M according to ISO 12944).
- Available in any international standard.



中线软密封蝶阀

Concentric soft seated



中线设计，阀座可替换

类型
对夹，支耳，法兰，双法兰，沟槽
压力范围
PN6,PN10,PN16,PN25,150#, API605
温度范围
-40 °C 至 160 °C
直径
DN32 (1 1/4")至DN3000 (120")
可替换硫化阀座

- 阀体，阀板和阀杆的各种材质可选：球墨铸铁，WCB，不锈钢，青铜，青铜，双相，超级双相，Monel K500，CK3MCuN，CA15，LCC，LCB ...
- 根据使用情况，从最常见的EPDM或NBR到不同类型的硅胶，Hypalon，Nordel，Viton等，有大量材质可选。

注意：双法兰款标配硫化阀座。

Concentric design with interchangeable soft seat.

Types
Wafer, Lug, Flanged, Double flanged, Grooved
Pressure rating
PN6, PN10, PN16, PN25, class 150 lbs, API605
Temperature rating
-40 °C a 160 °C
Diameters
DN32 (1 1/4") a DN3000 (120")
Replaceable or vulcanized seat

- Wide range of materials for bodies, discs and shafts: ductile iron, WCB, stainless steel, bronze, bronze-aluminum, duplex, super duplex, Monel K500, CK3MCuN, CA15, LCC, LCB...
- There is a wide range of materials in stock depending on the application, from the most common EPDM or NBR, to different types of Silicone, Hypalon, Nordel, Viton, etc.

Note: Double Flanged type is always assembled with vulcanized seat.

中线PTFE蝶阀

Concentric PTFE



中线PTFE设计，阀座可替换款

类型
对夹，支耳
压力范围
PN6,PN10,PN16,150#
温度范围
-79 °C 至 200 °C
直径
DN32 (1 1/4")至DN600(24")
阀体分离设计
可选抛光阀板

- 阀体: GJS500.7 + Rilsan / CF-8M
- 阀板: CF8-M / CF8-M + PTFE
- 阀轴: AISI 316,17-4PH, 双向不锈钢
- 阀座: PTFE

- 高耐化学试剂及溶剂反应。
- 高抗干扰性。
- 优良的绝缘性能。
- 低摩擦系数。
- 无毒，通过FDA
- 优良的热稳定性。

Concentric design with replaceble PTFE seat.

Types
Wafer, Lug
Pressure rating
PN6, PN10, PN16, class 150 lbs,
Temperature rating
-79 °C - 200 °C
Diameters
DN32 (1 1/4")- DN600 (24")
Split body design
Polished disc option

- Body: GJS500.7 + Rilsan / CF-8M
- Disc: CF8-M / CF8-M + PTFE
- Shaft: AISI 316, 17-4PH, duplex
- Seat: PTFE

- High resistance to the action of chemical agents and solvents.
- High antiadherence.
- Excellent dielectric properties.
- Low coefficient of friction.
- Nontoxic, FDA approved.
- Excellent thermal stability.



► 高温金属中线蝶阀
High temperature metal concentric



同心设计，可在超高温下工作，不需要100%的密封性。

类型
对夹，凸耳，法兰
温度范围
-190 °C 至 850 °C
直径
DN40(1 ½")至DN1200(48")
98% 密封
散热设计可避免传动装置损坏

- | 材质 |
|--|
| <ul style="list-style-type: none">• 阀体:球墨铸铁, WCB, 不锈钢, CA-15, Alloy30• 阀板:球墨铸铁, 不锈钢, 青铜, 铝, ...• 阀轴:AISI 316, 304, 420, 蒙乃尔金属, 双相钢, 超级双向不锈钢... |

- | 应用 |
|---|
| <ul style="list-style-type: none">• 废气• 工业炉• 排烟管• 废电发热 |

Concentric design to work at very high temperatures, where 100% tightness is not required.

Types
Wafer, Lug, Flanged
Temperature rating
-190 °C - 850 °C
Diameters
DN40 (1 ½") - DN1200 (48")
98% tightness
Design and manufacture of heat diffusers to avoid damages in the actuators

- | Materials |
|--|
| <ul style="list-style-type: none">• <i>Body:</i> ductile iron, WCB, stainless steel, CA-15, Alloy30• <i>Disc:</i> ductile iron, stainless steel, bronze, aluminium,...• <i>Shaft:</i> AISI 316, 304, 420, Monel, Duplex, Superduplex,... |

- | Applications |
|--|
| <ul style="list-style-type: none">• Exhaust gases.• Industrial ovens.• Fume outlets.• Cogeneration. |

► 高性能偏心蝶阀
Colossus



双偏心和三偏心高性能设计。根据型号，可互换RPTFE，AISI 316L或AISI 316 + 石墨的阀座。

类型
对夹，凸耳，法兰
直径
DN40 (1 ½") 至 DN600 (24")

- | 柔性阀座: R-PTFE |
|---|
| <ul style="list-style-type: none">• 温度: -50°C +220°C• VI级气密性，0%泄漏• VI级双向气密性，0%泄漏• 压力等级: PN10, PN16, PN25, 150#, 300#• R-PTFE阀座 (PTFE + 25%玻璃纤维)• 防火选项: R-PTFE + F-316L |

应用

真空服务，化工，石油产品，乙烯，液化石油气/液化天然气，植物油，羟衍生物，蒸汽，空气，饮用水，饱和水，海水。

- | 金属硬阀座 |
|--|
| <ul style="list-style-type: none">• 温度: -100°C +360°C• 特殊设计，最高温度可达 500°C• V级气密性• 压力等级: PN10, PN16, PN25, 150#, 300#• 金属阀座可以是刚性的或柔性的，这取决于使用环境 |

应用

饱和蒸汽，隔热气体，沥青/柏油，腐蚀性液体，热油，热电联产。

Double and triple eccentric high performance design. Interchangeble seat of RPTFE, AISI 316L or AISI 316 + graphite, depending on the model.

Types
Wafer, Lug, Flanged
Diameters
DN40 (1 ½") – DN600 (24")

Soft seat: R-PTFE

- *Temperature:* -50°C +220°C
- *Clase VI tightness*, 0% leakage
- *Pressure rating:* PN10, PN16, PN25, 150#, 300#
- *R-PTFE seat* (PTFE + 25% glass fiber)
- *Fire-safe option:* R-PTFE + F-316L

Applications

Vacuum services, chemical, petroleum products, ethylene, LPG / LNG, vegetable oils, derivatives of hydrocarbons, steam, air, drinking water, saturated water, seawater.

Asiento Metal - Metal

- *Temperature:* -100°C +360°C
- *Special design* for 500°C
- *Clase V tightness*
- *Pressure rating:* PN10, PN16, PN25, 150#, 300#
- *Metal seat* can be **rigid** or **flexible** depending on the service.

Applications

Saturated steam, thermal insulation gases, bitumen / asphalt, corrosive liquid, thermal oil, cogeneration.

► 双偏心双法兰蝶阀
Double eccentric double flanged



双偏心双法兰设计，软阀座安装于阀板中。

压力等级:
PN10, PN16, PN25, 150#
直径
DN80(3") 至 DN3000(120")
100%密封
两段式阀杆
压力损失低
结构长度符合13系列或14系列

应用

- 饮用水
- 海水淡化厂
- 冷却水系统（电厂，行业整体）。
- 污水处理厂

Double eccentric design with soft seat retained in the disc.

Pressure rating
PN10, PN16, PN25, 150#
Diameters
DN80 (3") - DN3000(120")
100% tightness in the preferential direction of flow
Two pieces shaft
Low pressure drop
Facet to face: Series 13, series 14

Applications

- *Drinking water.*
- *Desalination plants.*
- *Cooling water systems (power plants, general industry).*
- *Waste water effluent and treatment plants.*

► 闸阀
Gate



弹性密封型闸阀

压力等级
PN10, PN16
直径
DN50(2") 至 DN600(24")
结构长度
F4 / F5

材质

- 阀体，阀盖：GJS400-15
- 闸板：球墨铸铁GJS400-15与EPDM 或 NBR的硫化工艺保证了阀门的弹性，耐用性和气密性
- WARS证书证明可用于饮用水。

应用

适用于饮用水，废水，海水，空调和灌溉系统。

Gate valve with resilient seated.

Pressure rating
PN10, PN16
Diameters
DN50 (2") - DN 600 (24")
Face to Face
F4 / F5

Materials

- *Body, bonnet :* GJS400-15
- *Wedge:* ductile iron GJS 400.15 fully encapsulated with EPDM or NBR by vulcanizing process guaranteeing a great elasticity, durability and tightness.
- *WARS certificate* for drinking water.

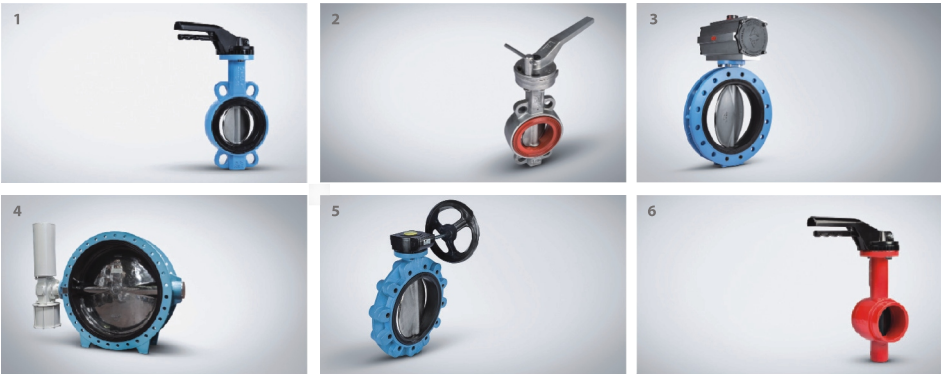
Applications

Suitable for use with drinking water, sewage, sea water, air conditioning and irrigation systems.

► 中线软密封蝶阀
Concentric soft seated

中线设计，可更换阀座
Concentric design with interchangeable soft seat.

1 对夹 Wafer	2 对夹 Wafer	3 标准法兰 Flanged
4 双法兰 Double flanged	5 凸耳 Lug	6 沟槽 Grooved



► 中线PTFE蝶阀
Concentric PTFE

中线PTFE阀门阀座可替换
Concentric design with interchangeable PTFE seat.

1 对夹 PTFE - CF8M Wafer PTFE - CF8M	2 对夹 PTFE - PTFE Wafer PTFE - PTFE
3 对夹 PTFE - CF8M Wafer PTFE - CF8M	4 凸耳 PTFE-PTFE Lug PTFE-PTFE



► 中线高温金属蝶阀
High temperature metal concentric

中线设计，高温专用, 无需100%密封。
Concentric design to work at very high temperatures, where 100% tightness is not required.

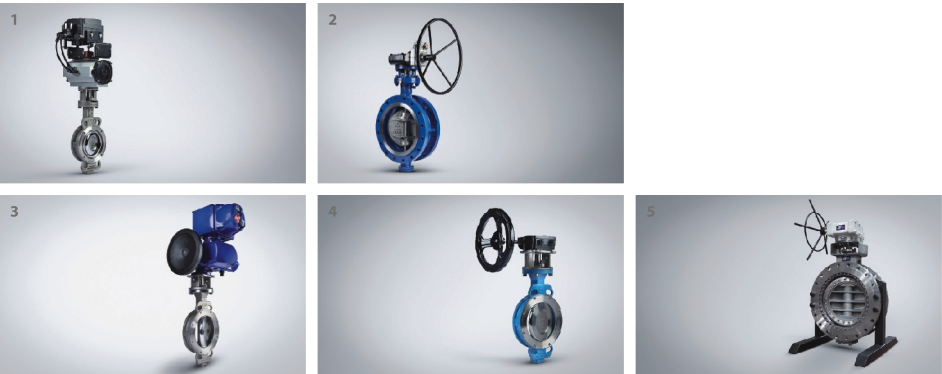
1 对夹 850°C Wafer 850°C	
2 凸耳 180°C Lug 180°C	3 对夹 350°C Wafer 350°C



► 高性能阀门
Colossus

双偏心和三偏心高性能设计。根据型号，可替换RPTFE，
AISI 316L或AISI 316 +石墨等阀座。
Double and triple eccentric high performance design. Interchangeable seat of RPTFE, AISI 316L or AISI 316 + graphite, depending on the model.

1 对夹双偏心金属硬密封阀 Wafer double eccentric metal-metal	2 法兰三偏心硬密封阀 Flanged triple eccentric	
3 电动对夹双偏心PTFE阀 Wafer double eccentric PTFE	4 手动对夹双偏心PTFE阀 Wafer double eccentric PTFE	5 法兰三偏心阀 Flanged triple eccentric



► 双偏心双法兰阀
Double eccentric double flanged

双偏心设计，阀座安装于阀板中
Double eccentric design with soft seat retained in the disc.

1 双法兰14系列 Double flanged series 14	
2 双法兰 13系列 Double flanged series 13	3 双法兰 14系列 Double flanged series 14



► 闸阀
Gate

弹性密封闸阀
Gate valve with resilient seated

1 F4 / F5系列 Series F4 / F5



► 我们的产品 / *Nuestro Producto*

► 定制
Customized manufacturing



我们的技术部门有资格设计并生产特别适用于客户的个性化需求的阀门。
Our technical department is qualified to design and produce valves specially adapted to the particular needs of our clients.

► 传动装置及自动化
Actuators & automatization



我们的所有阀门都可以通过不同的手动或机械传动装置来操作。

TTV提供产品组装，校准，以及电动或气动传动装置的测试，我们也提供附件，如定位器，限位开关或电磁阀的测试服务。我们与业内重要生产商合作，有着大量的经验。

All our valves can be operated through different manual or mechanical actuators.

TTV offers assembly, regulation and testing services of electric or pneumatic actuators and accessories, such as positioners, limit switches or solenoid valves. We have a wide experience working with the most important manufacturers in the industry.



► 我们集团的其他产品
Other products of the group

TTV及所属集团还拥有如下产品范围：如球阀，截止阀，止回阀和闸阀以及气动、液动传动装置等。

TTV owns, through other companies of the group, a wide catalog of references such as ball, globe, check and gate valves as well as pneumatic and hydraulic actuators.

