The logo for Valve World, featuring the words "Valve" and "World" in a stylized, bold, yellow font. A valve symbol is integrated into the letter "o" of "World". The logo is set against a red rectangular background.

**Valve
World**

Annual Procurement Report 2019

Cover Story:

**A.W. Chesterton Company – quality,
engineered sealing solutions**



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Valve World is the global magazine for valve and actuator users, suppliers and specifiers.
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Must-read in flow control

The 2019 edition of the Valve World Annual Procurement Report (APR) again is packed with interesting information on 90+ suppliers of valves and actuators. A must-read for various actors in the supply chain to get a comprehensive overview of the players and their products.



Companies involved in the flow control industry from all around the world here provide you with details of their valve and actuation related products and services so you need look no further. Check out also the association pages. The yearly update guarantees that you will have an up-to-date insight into "who's and what's out there".

So when you're about to visit several major valve expos this year, most notably the Valve World Expos in Houston (June 19th and 20th) and Shanghai (August 28th and 29th), you will already be well-prepared to visit several suppliers that have your interest. As we say in The Netherlands, "a good start is half the job already done." Check our website www.valve-world.net for detailed information on the above events.

One of these enterprises might be A.W. Chesterton Company. Founded 135 years ago, the US-based company prides itself on developing and manufacturing sealing solutions for a wide range of process industries. In the cover story of the APR 2019 (pages 4 to 7), Chesterton discussed the latest innovations and developments that are high on the industry agenda, such as Low Emission(s) technology. According to Chesterton, there is a clear market push for high-temperature sealing applications. In short, R&D and product development is needed to come up with adequate solutions. For Chesterton, this need for higher-quality products presents an opportunity to set the bar for the industry.

The Valve World Team wishes you happy reading and a successful year ahead. We hope to see you at our events – come and meet us there.

Lucien Joppen
Editor-in-Chief
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After 135 years in business, A.W. Chesterton Company continues to look for ways to innovate by growing its extensive portfolio of products, increasing quality and upholding its commitment to provide customers with reliable, efficient and economic sealing solutions.

Since its 1884 foundation, in Boston, Massachusetts, as a purveyor of steamboat and engineering supplies, Chesterton has expanded rapidly into a global, focused provider of sealing solutions for a wide range of process industries.

Valve World Americas had the opportunity to speak with Product Line Director Raman Hanjra, Engineering Manager Gregory Cole and Senior Application Engineer Warren Montgomery to discuss the company's investments in innovation, efforts to mitigate emissions and the promising future of the A.W. Chesterton Company.

By Sarah Bradley



A.W. Chesterton at India Street, Boston circa 1884.

A.W. Chesterton Company – quality, engineered sealing solutions

As a fourth generation family-owned company, Chesterton continues to build on its strong product solutions and service background to provide local support to its customers worldwide. Headquartered in Groveland, MA, Chesterton has a strong network of sales offices worldwide which allows the company to grow and maintain its position in the continually changing global industrial environment.

As the company moves forward through its second century in business, its long-term balanced and disciplined approach is focused on providing value to its customers. Chesterton has built a solid reputation in the industry by maintaining a very strong, technology-based, highly-engineered product offering. Its vast and varied product portfolio has given the company the ability to

solve a wide spectrum of customer issues. With products ranging from valve packing, polymeric sealing for ultra-high pressures, valve coatings for wear reduction, lubricants and mechanical seals, as well as engineering assistance and field support, Chesterton has a solution for most customer requirements.

Engineered Sealing Solutions

With customers endeavouring to reduce emissions while increasing safety precautions, Chesterton strives to act as a business partner and knowledge provider by supplying solutions that help them achieve their goals and reduce the total cost of ownership.

Providing knowledge-based solutions is Chesterton's primary focus in its effort to support its customer base. Understanding customers'



market dynamics, trends, applications and standards is crucial to determining what will work for them and what will not; depth of experience, consistent product reliability and engineering expertise provides Chesterton the ability to deliver meaningful and competitive advantages to its customers.

As the oldest remaining American packing manufacturer, Chesterton has always prided itself on its ability to build longstanding relationships with its customers that continue to endure over time; it is the fundamental basis of Chesterton's business model. That relationship is maintained through the company's effort to work with its channel partners and training sales staff to ensure that customers can rely on Chesterton's consistent ability to provide technical knowledge and assistance worldwide.

Investing in Innovation

Chesterton's packing and sealing product solutions are the result of a combination of high levels of knowledge, in-depth

engineering and rigorous testing. Chesterton segments the valve sealing industry into three areas of focus: End Users, OEMs and Service Providers, such as contractors and valve repair shops. Within each segment, Chesterton is able to provide tailored, engineered solutions for the valve sealing needs of a variety of industries such as: offshore, refining, exploration, mining, chemical, nuclear and fossil power. Considering the diverse number of client applications, which range from straightforward to highly demanding, Chesterton seeks ways to augment their product line in order to extend the service life of a valve and meet the ever-changing demands on Low Emissions (Low E) technology.

"There is a big push on the temperature limits of what is currently available for sealing to Low E. Currently, the API 622 and 624 standards require testing at 500 degrees F and we are seeing a few applications where end users want to be ensured that the packing going into the valve is actually capable of sealing at temperatures well above this. This has really been driving some innovation from our end to test new materials and different possible product combinations, whether it be new or existing products of ours, to see if they are capable of achieving these higher temperature limits," said Greg. "Whether it be the immediate future or the next few years, the API standards will likely be adjusted to higher temperatures and the blocking agents and materials typically used to help achieve Low E will no longer be as heavily relied upon. This is because most of those materials, such as PTFE, are not going to be effective at those higher temperatures."

Chesterton's ability to custom blend and manufacture specific materials gives the company the capability to handle some difficult challenges. The company takes higher end manufactured polymers and loads them to create a seal. For instance, the company is producing five different blends of PEEK polymer material and is able to control the quality - which is critical when tough applications demand flawless material. When no one else can tackle the challenge, people know Chesterton can handle the tough applications.

"We are always investing in R&D. We are always pushing ourselves, pushing material limits, whether it be on existing or new products to try to achieve the best available solution for not only what is currently on the market, but to support the challenges we foresee for our customers," explained Warren. "Without innovation we could not have lasted successfully for as long as we have. If we are just a 'me too' company or product, we would have vanished long ago. Innovation has always been our foundation and it is not just in terms of product innovation, it is innovation around multiple areas, in all the business processes," added Raman.

Importance of Performance Testing

"Our biggest contribution and our greatest asset is the knowledge we have at hand. We have many knowledgeable employees that are able to contribute not only to the advancement of the technologies, but to the standards themselves, and once we know where the market is going we can really get a jumpstart on developing the technology to meet those demands," said Greg. "It is more



A.W. Chesterton Company headquarters.

than just product knowledge, but also how we can qualify, how those standards apply to the valve.”

With the significant role that valve sealing plays in the reduction of emissions, Chesterton has made a significant investment in extensive testing of its products for e.g. testing its Low E technologies to latest standards such as API 622 (Packing Performance Testing). With construction of new facilities to increase the testing capabilities of their current test labs, Chesterton’s engineering team works together with OEMs, end users and aftermarket repair representatives to offer valve qualification services to API 624 (Valve Type Testing Low Emissions), API 641 (Type Testing of Quarter-turn Valves for Fugitive Emissions), ISO15848-1 (Valve Type Testing for Fugitive Emissions), TA Luft (German Standard for Fugitive Emissions testing for Packing and Valves) and other special variations for certification standards required. Testing can be performed with methane, helium, and steam. This helps end users make sure that the valves they use are working at the highest level of efficiency and functionality. The investment in on-site testing allows Chesterton to work with OEM valve manufacturers’ to test various types of valves, sizes and pressure classes to current and future standards, and also to troubleshoot by replicating issues and environments that may occur in the field. “There is a void in the current industry testing methodology, because API 622 and 624 are restricted to 500 degrees F. Even if you have a product that exceeds those temperatures, you do not have a standardized test to prove it and that becomes a challenge for us,” revealed Raman. “Not only do we need to devise new products to meet these new demands, but



A.W. Chesterton Company employees.

we have also developed our testing labs to be able to simulate the actual high temperature environment, to meet these new customer requirements. We have very comprehensive testing capabilities and from an R&D standpoint, we really push the limits and test our products to temperatures and cycle limits beyond those standards. It has helped to make us a technology leader in this sphere.” “Having these testing capabilities in-house is really beneficial from an R&D standpoint, because we get to see the test results live and to troubleshoot something that may or may not work. With mechanical packing it is really beneficial to see the failure modes up front and not just a compilation of data,” said Greg.

Counting on Quality

Ensuring customers of the highest level of products is important to the company’s brand, and while cost effectiveness is always

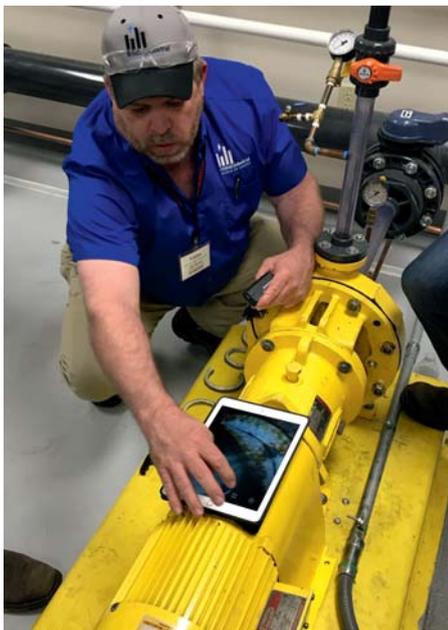
a goal, quality is never to be compromised. Chesterton is an ISO-9001 certified company, dealing with the most regulated industries on an everyday, global basis. Quality is built into the product from the conceptual, design and development phases, so the end result is a high performance product.

“The quality process is constantly monitored and tracked. We maintain detailed records of incoming raw material orders and customers appreciate the detail in which we are able to trace all aspects of our packing components. This allows us to know everything there is to know about the products we manufacture,” said Warren. “Every product we send out is labeled with a lot or batch number that is traceable all the way through our systems, not only to our end product quality control standards, but also to bulk material quality control standards. That traceability gives us the ability to really make sure the product is the same every day, whether it is incoming inspection of raw materials, which is done on every received lot. For individual custom solutions, which are a variation, there are quality control inspection criteria that we document and it is traceable from end user all the way back down to our bulk raw materials.” This attention to traceability and proper tracking of products and materials is made simple and convenient for customers through access to online asset management tools. These tools provide customers with access to their equipment information, history of their orders and other information to help optimize their sealing solutions at any time.

“We have made some great advancement recently by expanding the capabilities of our online tools, giving customers the ability to manage some of their equipment information from the Cloud. Allowing for Cloud-based, remote Asset Management is a convenient way for our customers to have



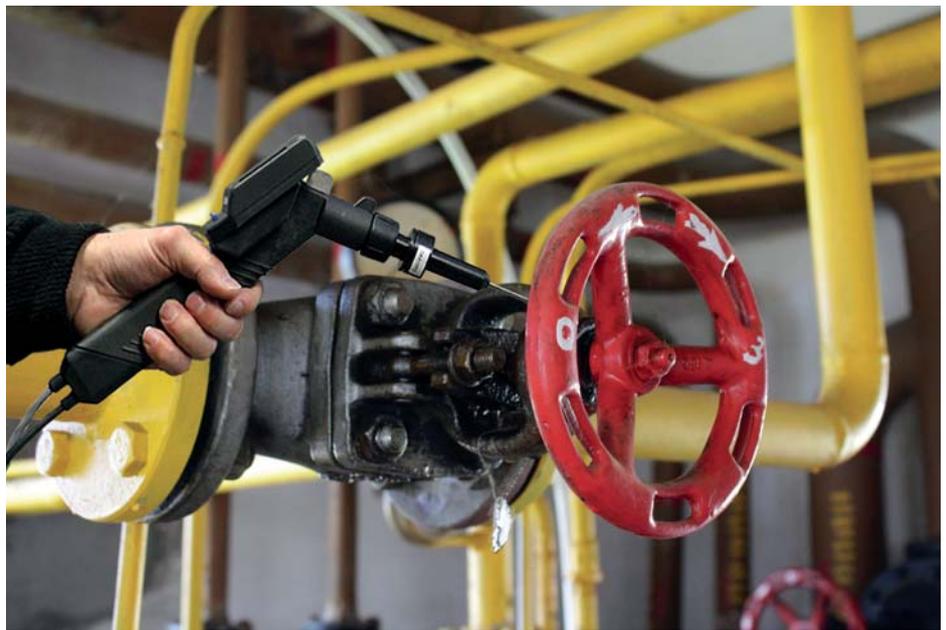
Fully automated test lab – packing and valve testing.



A training session.

materials quoted quickly, keep track of the sealing solutions currently installed in their equipment and further advance their sealing capabilities,” explained Warren. “The database can store a great deal of helpful information on equipment size, type, what specific valve is to be repacked by the history of the materials used in the past, and how or if it was live loaded. They can also update any changes in tolerances or dimensions and run calculations on specific equipment. It will also provide the dates which can help improve efficiencies on the next turnaround if they are trying to advance their sealing by trying different sealing technologies.

“Over the past few years, the LDAR requirements in refineries and different processing plants ha really been driving a cultural change in how plants and refineries



Fugitive emissions testing.

manage their assets. Valves that have a sealing solution that has been processed through this tool are now trackable and we can use the same identification number that a plant or refinery might use in their own LDAR systems to help track any changes not only to the valve itself, but specific to the sealing solution,” said Greg. “There has been a big shift over the past few years, with a lot of plants taking the initiative – whether it is consent decree-driven or not – to have robust asset tracking capabilities and we are trying to supplement that by having those same capabilities accessible through the Cloud, so it can be accessed anywhere 24/7.”

Low Emissions Solutions

Chesterton currently has certified low-leaking sealing technology options for both isolation

and control valve applications in both rising stem and quarter turn configurations. These solutions have passed stringent testing standards such as API 622 packing standard and valve type testing standards such as API 624, API 641 and ISO 15848-1 low leakage requirements without packing adjustments. Large critical valves and demanding applications are being reliably sealed from turnaround to turnaround with Chesterton’s unique live loading technologies. Its cartridge live load system with outer guides provides consistent packing load with a visual indicator to quickly identify loss of load. This not only helps in increase the packing performance but also the overall sealing reliability, as it allows operators and technicians to take preventative measures before failure.

Off-the shelf valve packing repair kits for popular control valves come with a Chesterton five-year warranty. Using these products and solutions, a control valve can be ensured to leak below 100 PPM for five years with proper training on the installation procedures. Engineered control valve sealing kits are also available for less popular control valves. Expanding into the future, A.W. Chesterton Company will continue to pursue growth by further investing in the products that set them apart in quality and engineering. “Chesterton has tremendous brand recognition for quality and performance and our ability to provide local support is outstanding,” said Raman. “Our subject matter expertise on Low Emission sealing enables us to provide value to our partners and customers, by helping them in making their equipment more reliable, efficient, safer and compliant to latest environmental standards.”



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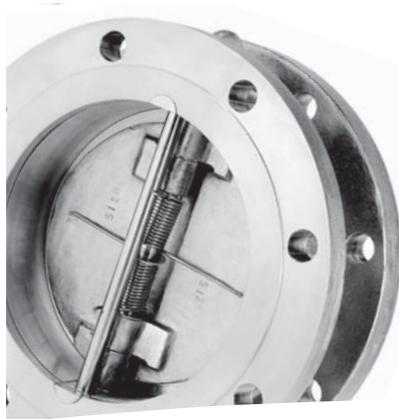


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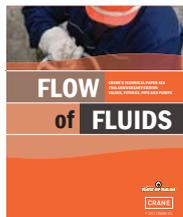
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A.W. Chesterton Company

Chesterton is a leading provider of sealing solutions that help companies involved in energy production, process manufacturing, and original equipment manufacturing improve the reliability and efficiency of their rotating, stationary, and fluid power equipment. Chesterton sealing solutions are supported by a comprehensive line of industrial coatings, lubricants, and MRO products designed to extend equipment life and improve productivity. Since 1884, Chesterton has worked with customers to provide sealing and equipment wear protection solutions to help increase their reliability, efficiency, and compliance.

The latest technology and innovation

Chesterton's innovative products and services focus on helping customers save time and money while maintaining the highest level of equipment reliability. Backed by decades of collective experience, Chesterton's engineers and application/sealing specialists strive to develop the best solution for each customer's unique challenges.

Chesterton provides global solutions with local service

Chesterton operates at a global level to provide local sales/service and, in some cases, on-demand seal design and manufacturing. Chesterton's solutions include:

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seals, dual seals, gas seals, mixer seals and sealing support solutions are designed to simplify installation, reduce maintenance, and improve reliability. Their experienced sealing specialists provide valuable sealing system analysis to help customers achieve the best long-term, cost-effective solutions.

- *Packing and Gaskets for Valves, Pumps, and Flanges:* Chesterton offers advanced packing products and applications expertise designed to reduce fugitive emissions and leakage as well as increase performance.
- *Hydraulic & Pneumatic Sealing Solutions:* Chesterton provides a range of high-performance seals made from state-of-the-art polymer technologies

that have been field tested and proven around the world in the most demanding sealing applications.

- *Wear Protection:* ARC Protective Coatings safeguard pumps, tanks, and other equipment/structures from abrasion, erosion, and other extreme forces. Our coatings solutions are designed to increase the energy efficiency of pumps; allow for cost-efficient equipment repair; protect surfaces against spills, leaks, and chemical attack; and more.
- *Industrial Lubricants and Maintenance Specialties:* Chesterton's industrial lubricants, greases, and cleaners help reduce bearing failure and other issues that can have an extreme impact on production and performance.

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With unique patent designs, special attention on user's experience from design, ABC valves are widely used in the sugar industry, beverage industry, pharmaceutical, textile dyeing, heating and cooling, municipal, automobile industry, shipbuilding, electronics, nuclear power, thermal power, petrochemical, coal chemical industry, papermaking, metallurgy, air distribution, environmental protection and other industries. The cooperative staff is knowledgeable in flow control technology and willing to serve you with all ABC products.

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packages and same day deliveries - a unique value-added offering.

GLOBAL VALVE MODIFICATION CAPABILITIES

When requirements cannot be met with an off-the-shelf valve, AIV is able to provide our customers with a wide range of modifications to new valves through our sister companies - Gulf Coast Modifications in North America and Adanac in Europe. Both companies feature ISO-based quality systems that have been audited and approved by most major valve manufacturers, and their membership and involvement in organizations such as the API, MSS, BVAA and VMA/VRC ensure modifications are compliant with the latest industry standards.



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American Controls Technology, Inc. (ACT, Inc.)

American Controls Technology is an industry leader in the sales, manufacture, modification, machining, testing, and education of valves and their components. With over 100 years of combined experience, ACT is capable of providing any solution to any valve requirement you might have. We strive for excellence in customer service, quality, and most of all, our ability to respond and produce products in a rapid time frame. Established in 1989, we are woman owned, with a wealth of valve knowledge from different manufacturing backgrounds. We have the experience to offer a solution that will stand the test of time. ACT is more than a binder of brands; we are our own brand!



We offer fast availability of many of the popular brands on the market, as well as offering some of our own manufactured products, engineering of special products, and the automation on any type of valve.

We provide valve automation components such as solenoid and pilot valves, limit switches, failsafe accumulator systems, positioners, mounting bracket and coupler kits, linear and rotary cylinders actuators, pneumatic and hydraulic cylinders actuators, all types of electric actuators and backup systems. We offer custom coatings of valves and valve components to prolong life and add value to your product.

We offer in house custom built panel mounts and cabinets for your automation

controls and accessories in any material and configuration.

We can provide from the basic valve component to complete valve packages that include custom engineering, drawings, testing and even training to make sure your customer is ready to maintain and install their new product properly to insure a long, successful and safe product life.

We offer a full in house machine shop that allows us to fully control your valve build from quote to shipping ensuring we can control the speed and workmanship of your valve package.

There are many choices for valve and automation houses but only one classACT!

- Same day shipping on valves ¼" through 36" manual and automated packages
- Fast quotes via email
- 24/7/365 service available
- Small enough to respond : large enough to deliver
- Over \$3 million in stock of various valves and automation accessories ready for shipment
- Lifetime warranty on our labor
- Valves - Actuation - Engineering - Training - Machining - Fabrication - Valve Testing



Company

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AMPO POYAM VALVES

AMPO POYAM VALVES is an international leader in the design and production of highly engineered valves for the most severe applications and industries.

They are well known for having the most reliable and safest valves of the market, due to AMPO's 55 years' experience, technology, know-how, references, operating time of the valves and a fully in-house manufacturing process with their own foundry. In order to provide the best solution for each project they have one of the widest valve ranges of the market: ball, gate, globe, check, lift plug, switch, slurry angle and butterfly valves.

Their extensive range of solutions offers the highest level of reliability hand in hand with minimum maintenance costs for the most severe industries, such as: natural gas processing, oil & petroleum refining, mining, petrochemical & chemical, power plants, etc.

Moreover, through their AMPO SERVICE team they guarantee a prompt response to customer needs wherever they are throughout the world: technical support in start-up stages, equipment selection, preventive maintenance, training,...

TAILOR MADE SOLUTIONS

AMPO's engineering team is committed to the development of tailor-made solutions, working together with EPCs and the end user's engineering teams in order to develop optimum valve solutions and meet the most demanding requirements.



HEADING TOWARDS NEW SOLUTIONS

AMPO is continuously working on the development of new technologies and processes in order to improve the performance of systems and efficiency.

INTEGRATED FOUNDRY

AMPO FOUNDRY provides the best quality castings and service as it works hand in hand with the manufacturing processes of AMPO POYAM VALVES. At their own foundry, cast materials are produced under strict quality controls and are also fully-machined on a new 12,500sqm machining workshop with the most intelligent machine tools such as; 5-axis machining center with FMS, a cutting edge lathe, weld overlay cladding technologies, etc.

FIRST CLASS SERVICE

The AMPO service highlights their integral accompaniment. Each project is closely



followed from the very beginning, the development phase, through the creation phase and on past production as they continue with ongoing technical support. AMPO has the capacity and ability to individualise each customer's specific requirements, due to its flexible production processes and first-class technical support.

A further key to AMPO's success is our high production capacity. Modern facilities and logistics organisation enable all products to be managed within the promised delivery times and with all the quality guarantees.

WHO TRUSTS IN AMPO

Many companies worldwide have placed their trust in AMPO, including: Shell, Chevron, BP, Total, Chiyoda Corporation, Bechtel, JGC, Samsung Corporation, Foster Wheeler, Woodside, Enagas, Rio Tinto Alcan, etc.



Commitment made of steel

Company

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ARCA Regler GmbH

ARCA Valves – 100 Years of Innovation

ARCA Regler, Tönisvorst/Germany is one of the leading companies in control valve technology and the parent company of the international ARCA Flow Group. It concentrates since 100 years on the development, the production, sales and last but not least the service of pneumatic and electric activated control valves.

Arca is your competent partner in all industrial applications, such as power plants, refineries, chemical plants, steelworks, but also in the food industry and pharmaceutical production.

Subsidiaries in the P.R. China, the US and the Netherlands, joint ventures in India, Korea and Mexico as well as a globally operating sales network make Arca your competent partner world-wide. Based on competent and individual consulting, flexibility to meet the application and the customer requirements and with a full lifetime service, Arca is focused to build up a long-term customer partnership. Von Rohr Valves and WEKA Cryogenics, both made in



Switzerland, as well as FELUWA Slurry Pumps complete the production program of the ARCA Flow Group.

In the field of power generation and distribution, Arca supplies all kinds of control valves used in steam and condensate circuits of thermal power plants up to 800 MW, including turbine bypass valves in compliance with TRD 421, made of forged steel and designed for highest temperatures and pressures. Arca control valves with sizes up to DN 800 (32") are used in heat distribution systems.

In the field of (petro-) chemical and industrial process control Arca has established a standard with the modular ECOTROL® control valve system. Whether metal- or soft-seated, whether

with low-noise trim or with double guided stem, the unique SWS quick exchange system offers a solution for each application.

All control valves are equipped with pneumatic linear actuators (optional with stainless steel housing and yoke) with up to 120 kN thrust. With ARCASMART a starter model for entry into the world of digital positioners was recently introduced to the market. It fulfils customer requirements for a handling as simple as possible.

Combined with the self-control capabilities and state-of-the-art diagnostic tools of the smart and field-bus capable positioner ARCAPRO®, Arca Valves offers control valve technology without any compromise, simply the best in performance, quality and reliability.



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Arflu

Arflu is structured into five different divisions, Petrochemical, Gas, Water, Energy & Marine. The company was incorporated in 1988, designs and manufactures a wide range of Industrial Valves such as Ball, Gate, Globe, Check, Plug and also special products like Dual Expanding Plug, Rising Stem Ball, Desalination Plug & Control valves.

The aim of Arflu in the development of their products is customer and market satisfaction through tailor design, high quality products and careful service.

Arflu is a company with great capacity to adapt to the needs of both the market and clients and it is in continuous growth with multiple offices around the world. We take special care in pre and post sales customer service.

As valve manufacturer, due to our experience and our wide range of production, and having our own Engineering company, we can offer both standard production and special products according to the needs of each client. In this way we understand that we can provide solutions to our clients, and not just supplies.

In ARFLU, we believe that our best and major quality accreditation is based on the opinion and loyalty of our customers during the last 30 years.

Besides and due to the fact that many customers/markets require and/or need International certifications, we have



worked on this direction to obtaining those certificates necessary to assure the end user the reliability and know-how of our organization and products.

Once all the machining is finished and prior to authorisation by the Quality Department, we start with the assembly of every valve. Each valve passes the final quality control, when we test the correct operation of the valve.

Likewise, our designs and products comply with the international standards.

ARFLU has identified all its processes in order to achieve the maximum satisfaction of our customers.

Our Quality Management System is composed and supported by a Quality Guarantee Manual, Procedures, Specifications, Technical Instructions, Drawings, International Standards, and so on.

We seek to develop a technologically efficient product at all times, from a market perspective and proximity to the client.



arflu
INDUSTRIAL VALVES

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ARMATURY Group a.s.

EUROPEAN MANUFACTURER AND DISTRIBUTOR OF INDUSTRIAL VALVES

ARMATURY Group a.s. ranks among the significant manufacturers and supplier of industrial valves, piping and accessories. The dynamic development is based on more than 60 years of tradition on the field of industrial valves manufacture.

Extensive range of products

- BALL VALVES
- BUTTERFLY, CONTROL AND CHECK VALVES
- GATE VALVES
- GLOBE VALVES
- VALVES FOR NUCLEAR POWER
- METALLURGICAL VALVES

Spheres of business activities

Our products are used by satisfied customers in more than 70 countries around the world in the following industries: oil and gas industry, power and nuclear power industry, chemical and petrochemical industry, water supply, metallurgy. We participate in major projects and implement deliveries of technological turn-key projects, where we ensure assembly of valves, actuators, pipes and accessories, including installation, commissioning and customer service.

Own development and design

Our pride is the development and manufacture of special valves that are supplied according to specific customer requirements. These valves operate in extreme conditions. For example: metal



seated trunnion mounted ball valve with zero leakage, steel ball valves DN 1400, gate valve DN 1400 with fabricated body, extraction check valve DN 1800, butterfly valve DN 3500 operated by special self-operating actuator or metallurgical valves used for temperature up to +1500 °C. We use the latest technology and modern technical equipment. Our manufacture plant has an area of 30 000 m². Effective management of warehouses often helps to solve urgent needs of our customers.

References

Our major business partners are large industrial companies such as Siemens, ABB, Alstom, RWE, Gazprom, Lukoil, Orlen, Gaz-System, AE, ČEZ, ENEL, CAMEG, Rosatom, ArcelorMittal, Doosan Škoda Power, Brødrene Dahl, U.S. Steel, GE, OMV.

International standards

Our production follows the requirements of international standards EN, DIN, API, ANSI, BS, GOST. The novelty is certificate for manufacturing valves and components according to the American standard ASME Code III. We hold the comprehensive set of certificates: EN ISO 9001:2015, EN ISO 14001:2015, OHSAS 18001:2007, PED 2014/68/EU, API Spec 6D, EAC, TA-Luft, ATEX, Fire safe, SIL and others.



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Ascend Torque Flow Controls Co., Ltd.

ASCEND TORQUE is a leading manufacturer of pneumatic actuators established in 1999. Through 20 years' unremitting effort to improve product design, processing technology and factory standards of quality control, we have obtained recognition from our customers all over the world.

We are proud of our experienced engineering team, who can ensure the reliability and stability of standard product quality, and can also provide solutions and drawings (CAD or SolidWorks) for special requirements in very short time. With our great work of R&D, our product range is becoming more and more extensive, to meet more requirements of our customers.

In 2017, we invested more than 4 million US dollars to import HMC and VMC from DOOSAN, taking the first step of the upgrade to Industry 3.0! Precision and efficiency must be the future.

ASCEND TORQUE sincerely thank all of our suppliers and customers, your profession makes all of us always better than yesterday. We welcome more friends to get to know us, probably we are the right partner you are looking for!

Product range:

ARC Aluminum R&P Pneumatic Actuator
ARS Stainless Steel R&P Pneumatic Actuator
ARF Aluminum Four Pistons Pneumatic Actuator



AYO Scotch Yoke Pneumatic Actuator
ADG Declutchable Handwheel Gear Box
Accessories: limit switch box, solenoid valve and more.

Certification:

ISO9001, CE, ATEX, PED, SIL



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Assured Automation

Since 1983, Assured Automation has been **Making Valve Automation Easy** for our customers. Assured Automation is a leading supplier of automated valves; compact on/off valves, 2 way ball valves, 3 way ball valves, butterfly valves, plug valves, lead free valves, PVC valves, stainless steel valves; as well as quarter turn electric and pneumatic valve actuators, digital flow meters, mechanical flow meters and valve accessories.

Our customers appreciate the quality products, excellent service, and ability to help solve unique challenges. By focusing completely on valve automation, we have developed an unmatched expertise in the field, making us an invaluable resource.

In addition to our standard offering of stocked products, we provide special order and custom assemblies for unique applications. Easy selection of quality products is what our customers have come to expect and what we strive to provide every time.

Build, view, price and order valve packages easily and quickly with our unique online Valve Configurator. Simply click the configurator icon and start choosing your options. Photo, part number, description and price all update instantly.

Easy To Use **Valve Configurators** Instant Pricing and Option to Buy



assuredautomation.com

Assured Automation has been **ISO 9001:2008** certified since 2010 and achieved the upgraded **9001:2015** standard in 2017. We became an **ITAR Compliant Valve Manufacturer** in 2018.

These standardizations help us achieve our goal of consistently meeting customer needs to enhance their satisfaction through thoughtfully defined objectives.



ASSURED AUTOMATION

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A-T Controls, Inc.

A-T Controls has been providing automated valve solutions for process industries since 1994. A global leader in the design, manufacturing and sale of valves, actuators and process control accessories, A-T Controls currently operates out of its Cincinnati, Ohio headquarters and another facility in Stafford, Texas, with several regional sales managers located throughout North America. Products are sold through a network of distributors throughout the U.S., Canada, and parts of Central and South America. With strong engineering and application expertise, and an unparalleled inventory, A-T Controls is ready to provide the highest quality products and automated valve packages with the fastest turn-around time in the industry.

Ball Valves: A-T offers an extensive product line of quarter-turn ball valves from 1/4" - 48" in multiple end connections and port configurations. Valve material options include carbon steel, stainless steel, and numerous high alloys. Application-specific valve series include High Purity, Multi-port, Metal Seated, NSF 61/372 Rated, V-Port and V-Segment Control Valves.

Butterfly Valves: Resilient Seated and High Performance Butterfly Valves are readily available in lug or wafer body styles with many application-specific packing options, discs, and seats, including soft, metal and firesafe. NSF 61 & 372 Certified Butterfly Valves for water are also now available!



A-T Controls
Your Valve & Automation Solution



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Website: www.atcontrols.com



Trunnion Mounted Ball Valves: A-T has specially designed a product line of soft and metal seated Trunnion Mounted Ball Valves, from sizes 2" - 48" in ANSI Class 150-2500 RF and RTJ. Available in cast and forged construction, and numerous alloys (including A216 WCB, A352 LCB/LCC, CF8M, CF3M, Duplex and WC6), A-T Trunnion Mounted Ball Valves are suited for high pressure applications in a variety of industries including Oil & Gas, Refining, Mining, Marine, Power, Primary Metals, Geothermal, and Water/Waste.

Actuators: Known for their high quality brand, TRIAC®, A-T's actuator product line includes Pneumatic Rack & Pinion actuators up to 36,000 in-lbs torque, Heavy Duty Scotch Yoke designs up to 2,000,000 in-lbs torque, and a full line of Electric Actuators which now exceed 80,000 in-lbs torque in both on-off and modulating configurations.

Controls: The A-T line-up is complemented by a broad offering of control accessories for quarter-turn valve and damper drive



installations. This includes solenoid valves, filter regulators, limit switches, proximity sensors, positioners, manual overrides and custom valve mounting hardware.

From engineering to assembly, testing, and machining, A-T Controls is prepared to be your *One Source Valve & Automation* supplier, offering full automation services of its own quality product line or quarter-turn valves from nearly all manufacturers.

A-T Controls is simply "The Best in the Industry"

For more information or to find a local distributor, please call (513) 247-5465 or visit www.atcontrols.com.



AUMA

Your expert partner for electric actuators

AUMA is a world leader in the global supply of electric actuators. Our valve automation solutions are renowned for their outstanding precision, reliability and availability across a wide range of process control applications in the water, power, oil and gas, and process industry sectors. Building on experience spanning more than 50 years, AUMA today manufactures 180,000 actuators a year, tailoring each device to meet the specific needs of each installation.

Tailored solutions

Thanks to a comprehensive product range including high-performance multi-turn, part-turn, linear and lever actuators and gearboxes we offer automation solutions for any type of valve, from two-inch ball valves to diverter dampers several meters high. From simple opening and closing of valves to complex control duties with finely tuned setpoint control, there is no limit to the scope of AUMA's electric actuation solutions. At the interface between the valve and the control system, AUMA actuators help improve plant performance and availability. Intelligent actuator controls excel through their extensive diagnostic and asset management functions. Seamless integration into the control system is facilitated by an extensive range of communication interfaces, from parallel to fieldbus, supporting, for example, Profibus DP, Modbus RTU, Foundation Fieldbus, HART,



WirelessHART, and the Industrial Ethernet protocols Profinet and Modbus TCP/IP.

Built to last

Complying with the highest international standards, AUMA actuators are designed for utmost reliability and long working lives, even under harsh process conditions – limiting maintenance to an absolute minimum. Offering IP68 protection and advanced C5-M/C5-I corrosion protection as standard, AUMA actuators withstand the most hostile environments, including offshore installations.

Certified technology

AUMA's explosion-proof actuators are renowned for hazardous applications; these devices comply with increasing

market demands for vendor list approvals and international explosion protection certification. Leading oil and gas industry companies turn to AUMA to meet their challenging valve control demands. For applications where safety is at stake, AUMA solutions include fail safe functionality, fireproof coatings, and SIL 2/3 certification.

Global sales and service

With 2,600 employees and a worldwide sales and service network including more than 20 subsidiaries and 50 representative offices, AUMA is a true global player. Experienced AUMA engineers provide on-site consultancy and support all around the world. A comprehensive service portfolio supports our customers throughout the entire lifetime of our products.



auma[®]
Solutions for a world in motion

Company

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Australian Pipeline Valve

Quality Valve Manufacturer.
Short lead Time Manufacturer.
Special & Critical Service Valves.

ANSI/API/BS/EN/ISO standard and special service valves for Oil, Gas and Process industries.

View our catalogues & certificates at our website.

Process & Pipeline Valves. 150 ~ 2500 class, Carbon, Alloy, Stainless & Duplex Steel

- **APV** Pressure Balanced Lubricated Plug Valves
- **APV** Ball Valves, floating & trunnion
- **APV** Gate, Globe & Check, cast & forged
- **Superseal** Butterfly Valves, High Performance & Lined

- **Supercheck** Wafer check valves, dual & single flap
- **Steamco** Steam Valves
 - Parallel Slide & Geothermal Gate Valves
 - Stop Check, Piston Check/ Globe Valves
- **Diamond Gear** Gearboxes
- **Torqturn** Scotch Yoke Pneumatic Actuators
- **APV** API6A Valves, Chokes and Wellheads



Company

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ISO 15848-1 Class CO2 Fugitive Emission Certified



API607 6th Ed. & ISO 10497 Firesafe Certified



Global Supply Line - Australia

Supplying Worldwide from Australia.
World's Largest Valve & Actuator Stock Range. Global Valve Stockist & Supplier.
Full stocklist at our website!

£60 Million inventory, (CE/PED) full in-house Engineering, Automation & Test facility.

ANSI/API/BS/AS/EN Standard and Special Service Valves - Abrasive, High & Low Temperature and Special Alloys.

View our stocklist at our website.

- Process & Pipeline Valves. ASME 150 ~ 2500 class. Carbon, Alloy, Stainless & Duplex Steel
 - Pressure Balanced Lubricated Plug Valves (G&C & Valvitalia)
 - Ball Valves, floating & trunnion

- Butterfly Valves, HP & lined
- Gate, Globe & Check, cast & forged
- Wafer Check Valves, dual & single flap
- Special Service Valves
 - Abrasive & High Temperature Valves
 - Low Temperature & Cryogenic Valves
 - Parallel Slide Gate & SDNR Valves
- Actuators
 - Biffi, Bettis, Actreg, Air Torque in stock to 40,000 NM
 - Pneumatic & Hydraulic Scotch Yoke and Rack & Pinnion.
- API6A Oilfield products
 - API6A Valves, Chokes and Wellheads
- Hammer Unions and Swivels



AVA Armaturen Vertrieb Alms GmbH

AVA - Your partner for industrial Valves
Prompt- reliable- innovative

AVA has been the leading wholesale supplier of DIN and ASME standard industrial valves in Europe for more than 45 years. As a long-term exclusive partner of innovative manufacturers worldwide, AVA supplies its customers in the chemical, petrochemical, mechanical engineering, and power plant industries promptly with industrial valves from four sales and warehouse locations in Germany, the Netherlands and Great Britain.

At two locations in Germany alone, AVA has warehouse stocks of industrial valves and accessories worth more than EUR 12 million, ensuring high availability and fast deliveries. Standard products include gate valves, butterfly valves, globe valves, check valves, ball valves, strainers made of carbon steel, steel alloys and stainless steel. In addition, AVA supplies a wide range of special valves based on customer specifications. The portfolio is rounded out by a valve conversion and modification service based on specific customer requirements. This service is provided by AVA subsidiary ASA Armaturen Service Alms GmbH.

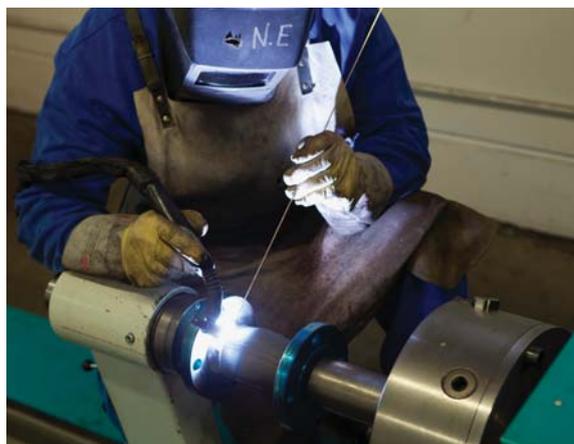
Next to regular trade, AVA focuses particularly on the management of major European MRO contracts in the chemical and petrochemical industries. Building on many years of expertise, AVA serves corporate clients including multinational companies with optimal solutions to help effectively avoid lengthy stoppages and downtimes.



The certified management system operated by AVA GmbH is based on the DIN EN ISO 9001, 14001 and BS OHSAS 18001 standards. AVA products conform to stringent requirements of functionality, material selection and fitness for purpose. This includes particular focus on supplier selection. Foreign branches established to ensure on-time delivery and quality control monitor manufacturer compliance to the highest quality standards, supplemented



by meticulous internal processes designed around relevant regulations and requirements.



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Baltic Valve Co., Ltd

About Us:

Baltic Valve Co., Ltd who has been in valve field for more than 15 years is committed to providing to all of our customers professional technical support and good qualified products.

We have a well-established system.

With a well-staffed team of responsible technicians and inspectors, perfect workshop management and experienced sales department, Baltic has expanded the business to South America, Europe, South Africa and Middle East.

Our aim is to provide excellent service with accurate reasonable prices, superior quality and valued technical advice/solution to you. Let us be not only your supplier, but also your partner!

Quality Control:

Superior quality is our first priority. Baltic special develops a team of experienced technicians and inspectors who have engaged in valve field for more than 10 years to control the process and quality. From raw material selection to shipment, we have strict monitoring.

We do 100% inspection before shipment. Inspection contents include cosmetics, dimensions, material chemical compositions, hydraulic test, air test, torque value, painting (type, color, thickness and painting technique) and package.

Products with defects are never allowed to be shipped out!

Products:

Ball valve, plug valve, gate valve, globe valve, check valve, strainer, etc.

DBB ball valve, monoflange valve are our best-selling products.

Size: 1/4" - 60"

Class: Full range

Material: Cast materials such as WCB, LCB, WC6, CF8M, C95800 etc.

Forged materials such as A105, LF2, F22, F91, F304, F316 etc.



BALTIC

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Beijing Aerospace Petrochemical Technology and Equipment Engineering Corporation Limited

BEIJING AEROSPACE PROPULSION INSTITUTE (Originally the NO.11 INSTITUTE (BEIJING), CHINA AEROSPACE SCIENCE & TECHNOLOGY GROUP) is the birthplace of liquid rocket engines for large space vehicles of China. With a profound scientific basis and culture, it has supported national defense modernization and the development of China's space industry. National key projects such as "atomic and hydrogen bombs and man-made satellites", "manned space flight", "lunar exploration project" have been powered by its exquisite technology and strong impetus. Beijing Aerospace Propulsion Institute is committed to promoting liquid rocket engine technology in the field of space and wider fields; now its two major businesses are aerospace propulsion and aerospace technology application, bringing aerospace technology to national economic and social life. It has become the leading character of military and civilian integration in space industry.

BEIJING AEROSPACE PETROCHEMICAL TECHNOLOGICAL ENGINEERING CO., LTD (BAPC) is a wholly-owned subsidiary of Beijing Aerospace Propulsion Institute founded in 1991. With "the

National Special Pump & Valve Engineering Technology Research Center" as its innovation platform, the company is using liquid rocket engine professional technology to promote technology innovation and industrialization of thermal engineering and special pump valve development. The BAPC now has three major professional fields: thermal engineering, fluid rotating machinery and special valves, and has developed advanced thermal engineering solutions with core competitiveness while meeting energy conservation and environmental protection requirements. A large amount of technically advanced equipment and products create a strong localization demonstration project. The BAPC is serving leading industries of national economy such as energy, chemical industry, petrochemical industry and coal chemical industry. Moreover, the BAPC is now an outstanding supplier and strategic partner of Sinopec, Petrochina, CNOOC, and Shenhua Group among many other key petrochemical, coal chemical enterprises and international engineering companies. The BAPC has become a well-known brand in the field of aerospace high-tech applications focusing on key fields of national economy.



SAFETY VALVE DEPARTMENT is one of the leading departments of BAPC, its predecessor having worked as a liquid rocket engine unit, it has developed safety relief devices since the 60s. To meet the advanced demand of safety valves, the BAPC has been developing the HT series product. The HT series safety valve is designed, manufactured and experimented strictly in accordance with API Standard and ASME Code, combined with a 60-year-experience of aerospace technology. Now broadly used in various key projects both domestically and abroad.



 北京航天石化技术装备工程有限公司
Beijing Aerospace Petrochemical Technology & Equipment Engineering Corporation Limited

 安全阀事业部
Safety Valve Division

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Website: www.safetyvalvechina.com

BENSV VALVE STOCK CO., LTD

BENSV VALVE STOCK CO., LTD, established on 2006, located at the BOHAI Sea Coast, Jiuyuan Industrial Park Baodi District, Tianjin China, is a non-regional industrial group, specializing in valve research and development, sales and production.

Products are classified into butterfly valves, gate valves, ball valves, check valves, piston valves and air valves. All of these products are used for the water industry.

Bensv has obtained the ISO certificates, CE certificate and API 609 certificate. Bensv products are exported to more than 10 countries and are well recognized by clients as having good quality and service.

Through innovative development of more than 10 years, BENSV has marched ahead. In recent years, it has increased input on software and hardware, such as a large vertical lathe, CNC machine, plasma welding machine and various kinds of advanced testing equipment. It has established a technical research and development center, adopting CAD valve design and a design



system of manufacturing and testing by three-dimensional simulation. It has undertaken a series of national major special projects and has built up an advanced valve performance inspection and testing center

to guarantee the quality and efficiency of developing new products, which improves the quality control system greatly. It has also established the ERP system which brings greater efficiency to management.

BNSV

Company

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BNSV

BNSV



Bonney Forge Corporation

Forging Ahead of the Rest

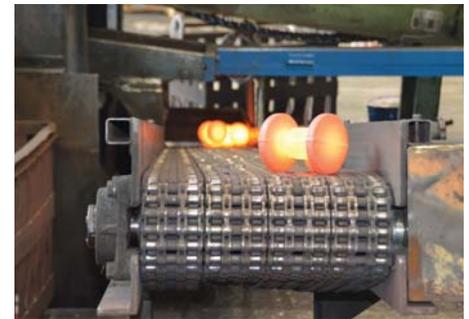
Founded in 1876, Bonney Forge Corporation is a world leader in the manufacturing of top-quality forged steel fittings and unions, valve flow control products (cast and forged), branch connections and specialty products. Bonney Forge serves multinational companies in extraordinarily challenging environments in the oil and gas, petrochemical, power generation, chemical manufacturing and general industrial piping industries.

A Comprehensive Product Offering

Bonney Forge is headquartered in Mt. Union, PA with manufacturing operations in the United States, Italy and China.

Our manufacturing sites include:

- Bonney Forge Europe (BFE), serves as the hub of the company's forged valve production. Located in Bergamo, Italy, this state-of-the-art facility manufactures a wide-range of valves—from commodity to the most complex, made-to-order products. Specifically, BFE manufactures the following valve types: Gate, Globe, Check, Cryogenic, Integrally Flanged, Bellows Sealed, Extended Body, Bar stock, Combination Double Block and Bleed, API 6A, API 6D, Pressure Seal and Ball Valves - Soft Seated, Metal Seated for high temperature or abrasive service, Lip Seal, Cryogenic to -196°C , Top Entry and Side Entry, Fast Track Expedited Manufacturing.
- Bonney Forge Shanghai (BFS) serves as the heart of our cast valve operations. The



product line offers cast GGC valves up to 36" and 2500#Class, and the facility has in house low-emissions and submerged leak testing capabilities. The ever-expanding product portfolio now includes Cryogenic valves.

- Mount Union, PA, manufactures Bonney Forge's entire line of forged steel fitting, Olet® and forged steel valve products.
- WFI International, Houston, TX, specializes in custom fittings—precisely made-to-order in any shape, size or material. A key capability of WFI is engineering fittings tailored to customer requirements for the most challenging applications and environments.

A Reputation for Leading the Industry

We are known for our valve technology and engineering capability:

- We create Engineered Solutions, a program in which we work directly with customers developing valves that stand up to their highly critical, demanding applications.
- We built a state-of-the-art Fast Track facility at BFE, Italy, which functions independently

from the main plant in order to manufacture, test, and ship urgently needed valves... FAST!

- We have and continue to actively invest in both our forged and cast valve operations. Our cast product portfolio now includes cryogenic cast steel valves perfect for low temperature applications. Our forged portfolio includes severe service trunnion mounted ball valves, which exceeds the quality needed for aggressive midstream applications.
- Our low-emission (Low-E) forged and cast steel valves are designed, engineered, manufactured, and tested to exceed all Global emissions standards requirements. Low-E Valves with our exclusive Bonney Forge Eco-Seal® packing are the STANDARD. Our off-the-shelf low emissions valves have been tested and certified by recognized independent 3rd party labs.
- We have 3D and 2D CAD models and drawings available! Visit our website www.bonneyforge.com.



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BORSIG ValveTech GmbH

World Leading Flow Control Technology - MADE IN GERMANY

Since over 180 years BORSIG is one of the leading manufacturers for pressure vessels, heat exchangers, process gas compressors, membrane technology and innovative industrial valves – MADE IN GERMANY.

True Metal Seated Ball Valves for Severe Service Applications

With their true metal seated valve technology BORSIG is one of the leading suppliers of high-pressure control and shut-off valves for severe service applications, in particular for gas compression and storage systems. BORSIG offers a total valve care program including engineering, manufacturing and services of industrial valves for extreme operating conditions in the oil & gas industry, in power generation as well as for the chemical and petrochemical sector.

Control & Shut-Off

With its well-known **Superbloc** Shut-Off Ball valve line BORSIG recently re-launched its famous legacy product as fully welded, top entry and split body type. The Superbloc product range is tailor made and not limited to a certain range of material. Thus, high quality materials such as duplex and super duplex can be applied to meet and exceed the demanding application requirements.

The **Control Sphere** product line offers a true metal seated control valve solution that is tailored to specific control processes by using customized control discs. The BORSIG control valve is engineered to suit very high



differential pressure applications resulting in exceptionally high rangeability as well as increased plant efficiency and operational flexibility.

Steam Solutions

As a leading manufacturer for Waste Heat Boilers and Steam Superheater, BORSIG also offers innovative valve technology for boiler systems. The BORSIG desuperheater incorporates an integrated ball valve that guarantees tight system isolation to reduce the risk of thermal shocks and minimizes steam turbine blade wear associated to water accumulation and valve leakages. The massflow of the cooling media is controlled by a unique rotary movement that guarantees optimal cooling injection covering the entire load range. With its motive steam cooler BORSIG offers the perfect solution for cooling requirements close to saturated steam.



System Integrator

As an expert for process technology BORSIG is going the extra mile extending its valve product scope to complete system integration. High integrity pressure protection systems, advanced valve skids as well as instrumentation and control retrofits complement the BORSIG portfolio.

Product Range:

- Control and Shut-Off Ball Valves - fully welded, top entry and split body type
- Superbloc shut-off and isolation ball valves
- Control Sphere control ball valves
- Ceramic ball valves
- Advanced Valve Skids
- HIPPS
- Desuperheater
- Motive Steam Cooler
- Spare Parts



BORSIG

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Bray International, Inc.

Bray International, Inc. is a leading global manufacturer of valves, actuators, and controls for the process industry.

For more than 30 years we've provided innovative, high performance flow control solutions engineered to handle the most challenging applications.

Our global manufacturing, sales and service networks mean we can offer our customers unrivaled support across a wide range of industrial and commercial markets.

And thanks to our unrelenting commitment to quality, customers around the world have made us their trusted flow control partner.

Contact your local Bray Flow Control Expert today to find out how we can partner with you to provide:

- Resilient Seated Butterfly Valves
- High Performance Double Offset Butterfly Valves
- Critical Service Triple Offset Butterfly Valves
- Two Piece & Three Piece Ball Valves
- Flanged & Threaded Ball Valves
- Multi-port Ball Valves
- Severe Service Metal Seated Ball Valves
- V-Control Ball Valves



- Segmented Ball Valves
- Cryogenic Butterfly Valves
- Cryogenic Ball Valves
- Flow Activated Check Valves
- Heavy Duty Knife Gate Valves
- Abrasion Resistant Slurry Valves
- Electric, Pneumatic & Hydraulic Actuators

- Valve Status Monitors & Positioners
- Solenoid Valves & Filter Regulators
- Fully Automated Commercial HVAC Valves

Be sure to visit us online at www.bray.com to see our entire line of dependable flow control solutions.



Bray®

Company

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BREMER VALVES srl

Since the beginning of the sixties **BREMER VALVES srl** has directed its own interest towards a modern valve, new for that period: the ball valve.

Bremer now has a product range covering floating and trunnion ball valves from ½" to 30" which can be executed in standard carbon steel or in stainless steel, duplex, super duplex, titanium or exotic alloys.

The spirit of the company is to be strongly customer oriented in order to satisfy all kinds of requests. Bremer Valves manufactures and assembles exclusively in Northern Italy following the API 6D and ISO9001 standards.

Flexibility and high expertise allow the development of new products. Bremer Valves is able to satisfy challenging demands for customer made executions, even in small quantities and close time frames.



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Bueno Technology Co., Ltd.

ABOUT US

BUENO TECHNOLOGY is a versatile manufacturer established in 1969, specializing in providing sophisticated flow control products. We manufacture high-purity, water and oil-free valve, fittings, and components in Class 1000 clean rooms for pharmaceutical, semiconductor, optoelectronic, electrochemical and petrochemical industries, where safety and stability of the manufacturing process are a major concern.

Our corporate philosophy is to offer the market innovative PFA lined valves and fitting, PFA tubing, pipes and fittings, conventional valves and parts, PTFE components, lost wax castings, plastic products, graphite, spiral wound gasket, pneumatic pump and to place the highest priority on safety, long service life, low operation and maintenance cost.

QUALITY FIRST

Every single product of BUENO is made from the highest quality materials using advanced technology, while every stage of the manufacturing process is conducted and monitored by highly competent employees. Combined with through testing and complete customer support, the company supplies its customers with products of maximum efficiency and minimum long-term costs at a competitive price.



BUENO is firmly determined to constantly improve itself in order to conform to the top international standards, and maintain its leadership in the local market. Our never-ending commitment has won us a significant position in the industry, and the support of our businesses partners form all over the globe. We are resolved to conduct our business with progress, great competence, innovation, and unyielding integrity.

PRODUCT SCOPE

- OEM PTFE Seats, Packings, Gaskets
- PFA Lined Ball Valve, Check Valve, Diaphragm Valve, Plug Valve
- PFA Lined Fittings
- PFA Fittings & Tubings
- S.S Ball Valves
- S.S Bottom Valves
- FCD Ball Valves
- Sanitary Butterfly Valve
- OEM Investment Castings Parts
- OEM Plastic Injection Parts



Company

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Cangzhou Qunfeng Stainless Steel Products Co., Ltd

Cangzhou Qunfeng Stainless Steel Products Co.,Ltd, specializes in the production of high performance, corrosion resistant ball valves pipe fittings and OEM products.

Qunfeng designs and builds a broad array of quality products in its ISO 9001 manufacturing facility. As a fully integrated manufacturer, we perform all facets of production from design through final testing. Our products adhere to ANSI/ASME specifications for material content, pressure ratings and quality assurance, ensuring that our customers receive consistent quality and reliability every time.

Qunfeng offers a complete line of stainless and carbon steel ball valves with various end connections. We have the broadest selections of multi-port ball valves in the



industry. Qunfeng is recognized for its high cycle, ISO 5211 direct mount valves, which eliminate the need for costly brackets. We also offer an exceptional line of sanitary valves designed for pharmaceutical, semiconductor, and food & beverage applications.

“Our goal is to be the best supplier in the water well industry,” proclaims Sunjigang. “With employee dedication and an excellent customer service staff, Qunfeng strives to provide every customer with satisfaction plus.” Let us join hand and create a bright future in the stainless steel industry.



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Chaoda Valves Group Co., Ltd

Established in 1984, Chaoda Valves mainly produce Ball, Gate, Check, Globe, Plug valves, etc., which are mainly applied to industries such as oil, refinery, gas, chemical, polysilicon, metallurgy, power, etc. and exported to countries and regions in Europe and America, Asia Pacific, Mideast with stable quality and are well received by clients.

Chaoda has established its own research institute specially engaged in research of new product and new technology. It has been authorized with 143 patents, among them 32 are patents of invention. As the company who formulated the most national standards in the Chinese valve industry, it drafted and formulated 92 national standards and national mechanical industrial standards, which are the great contribution we have made to the technical advancement of our country's valve industry.

Established in 2013 as Chaoda Valve Group, among all the subsidiary companies Qingtian Chaoda Casting Co., Ltd specially produces pressure-containing castings with advanced technologies and techniques to ensure casting quality of Chaoda valves. Zhenhai, Jiangsu and Inner Mongolia Chaoda valve repair and service companies specially repair



high-end valves to create value for clients. Taiwan Chaoda Valve specially provide valve inspection & test, repair, sales and service to the Taiwan market. Chaoda Japan and Chaoda Group USA separately provide sales and

service to the Japanese and North American markets. With a land area of 128000m², Chaoda Lishui factory greatly improves our production capability to open up broader development space.



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Charbonneau Industries, Inc.

Charbonneau Industries, Inc. (Ci) is a brand neutral master distributor, and an integrated supplier of products and service in one company. This combination gives our clients brand options from stock, and gives our manufacturing partners multiple access points to our midstream markets.

Charbonneau Industries is a privately owned company, founded by Steve Charbonneau in 1989. The business was founded in Atlanta, Georgia, however Corporate Headquarters were quickly established in Houston, Texas where the company grew rapidly. The Houston facility is equipped with 380,000 square feet of climate controlled office and warehouse

space, \$120 million of in-house inventory and approximately \$97 million of inventory on order at any given time.

Charbonneau Industries now has 10 different locations and approximately 320 employees located throughout the nation.

Ci's business model has evolved over the years to where we are certain that Charbonneau Industries can add value to the installed base of actuators in your site.

Over the past 25+ years, Ci has become a preferred valve and valve actuation integrated supplier for some of the world's most demanding Oil and Gas companies.





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Check-All Valve Mfg., Co.

Check valves with a world of possibilities

Since 1958, Check-All Valve® has manufactured a complete line of in-line spring-loaded piston-type check valves. With world wide service, Check-All Valve serves a wide range of industries including the chemical, petrochemical, biodiesel, ethanol, pharmaceutical, food and beverage, water treatment and many others. Lightweight, efficient, and rugged, every Check-All valve is designed and built to perform to exact needs and specifications.



Check-All valves are engineered for silent operation. They close quickly and smoothly to avoid hammer noise. They are designed to function equally well in either a vertical or horizontal position, with proper spring selection. They are also designed to reduce installation costs. Our space saving design easily fits into existing line components which reduces initial cost and installation time. The seating surfaces are parallel to each other thereby eliminating the excessive wear occurring in plug, cone

and ball seats. Check-All valves can also be used as low pressure relief valves and vacuum breakers.

With many styles available, Check-All Valve provides check valves for practically every service application. Valves are offered with metal-to-metal or soft seats in sizes ranging from 1/8 inch NPT to 20 inch flanged connections. Pressure ratings are available from full vacuum to 10,000 PSI. Standard or exotic materials are available

and you can choose from a wide variety of spring settings and seat materials for any valve. Most options are available with fast delivery. Specially designed valves are another option that Check-All Valve performs on a regular basis.

The Company is ISO 9001 certified and manufactures product lines compliant with B16.34, CE/PED requirements, Canadian Registration Number guidelines, 3A Sanitary Standards and others.



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CIRCOR International

Customer-Focused Valve, Pump, Pipeline, and Instrumentation Solutions For The World's Most Demanding Applications.

CIRCOR is a global manufacturer and provider of integrated flow control solutions that specializes in developing precision technologies that improve our customers' ability to control, manage, measure and regulate the safe and efficient use of fluids and other natural resources in the Oil & Gas, Power Generation, Industrial, Commercial & Institutional, and Aerospace markets.



Comprehensive Products and Services Portfolio

Our extensive, highly engineered portfolio offers application-specific solutions comprised of:

- Automatic Recirculation Valves
- Ball Valves
- Control Valves
- Steam Conditioning Systems
- Fittings
- Regulators
- Gate, Globe and Check Valves
- Pipeline pigging, flow assurance, and cleaning services
- Instrumentation-specific valves and fittings
- Sampling systems
- Pumps
- Actuators
- Traps

Aligned To Best Serve Key Customer End Markets

The primary global end markets served by the entire organization include:

- Upstream Oil & Gas
- Midstream Oil & Gas
- Downstream Oil & Gas
- Power Generation
- Industrial
- Commercial & Institutional Facilities
- Maritime
- Aerospace

Global Coverage

We strategically leverage our global infrastructure comprised of dedicated sales and services and distributor facilities to deliver products, services and expertise to key markets. The result is more in-depth, highly collaborative customer relationships.

- Asia
- Europe
- Middle East
- North America
- South America

Best-in-Class Product Brands

Our market-leading, historically significant product brands are recognized for helping revolutionize the markets we serve.

- | | |
|------------------------|-----------------|
| • KF Valves | • Allweiler |
| • Pibiviesse | • IMO |
| • Leslie Controls | • Zenith |
| • RTK | • Clarus |
| • Schroedahl | • Cot-Puritech |
| • HOKE | • Houttuin |
| • GYROLOK | • LSC |
| • Pipeline Engineering | • Rosscor |
| • GO Regulators | • Sicelub |
| • Texas Sampling | • Tushaco |
| • Contromatics | • Warren |
| • Hydroseal | • Aerosapce |
| • Mallard Control | • Circle Seal |
| • Circle Seal Controls | • Aerodyne |
| • Dopak | • Bodet |
| • Spence Engineering | • Industria |
| | • Motors |
| | • Hale Hamilton |

CIRCOR is dedicated to growth and continuously improving flow control throughout the energy value stream.





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CIRCOR | RTK®

Regeltechnik Kornwestheim GmbH

CIRCOR | RTK® – Control Valve Specialists

CIRCOR RTK® is an international leader in the design, manufacture, distribution, and service of control valves and related equipment. In its fourth decade, the company continues to engineer innovative and reliable control technology for optimization of customer control circuits.

CIRCOR RTK® produces high-quality control and shut off valves ideal for industrial, petrochemical, power and process applications. It also offers effective electric and pneumatic linear actuators, sensors, and controllers.

The CIRCOR RTK® REFlex line of two- and three-way stem guided control valves uses a modular design with numerous trim styles and materials available to offer a valve for nearly every application. These all-purpose valves are available either as ANSI or DIN, ensuring that direct replacement is always possible.

The REFlex two-way Control Valves are now also available with a QCS (Quick change Seat) option, giving up to 85% faster maintenance times, quick four-step dis and reassembly without any specialized tools, and are available with anti-cavitation or anti-noise trim design.



CIRCOR RTK® also offers high-performance electric and pneumatic actuators. The REact DC electric actuator series features smart actuator technology with variable speed control to automatically throttle power consumption and enable interconnectivity with the industrial internet of things.

The new CIRCOR RTK® REact 30DC-PoP adds to this smart actuator capability. Unlike other actuators the REact 30DC-PoP offers two system-saving features: a standard Emergency Closing Unit and a power failure back-up that allows the actuator to reach a predefined safety end position (open or close) if power is lost. Therefore, keeping your system safe in any situation.

The CIRCOR RTK® REFlex family includes a variety of specialized valves and solutions for pump protection. Amongst others, the CIRCOR RTK® REFlex Discharge & Pump protection recirculation control valve works as two valves in one by combining the functions of a discharge control valve and a bypass valve specially designed to protect condensate pumps, economizer, low pressure turbines, etc. in a single unit. This patented system allows inline adjustment of the recirculation port CV value during pump operation.

Also, the CIRCOR RTK® REFlex Feedwater Valve with integrated Recirculation, has been specially designed to protect Feedwater Pumps against cavitation, this

unique valve also works as two valves in one by combining the functions of a boiler feedwater control valve and bypass valve for pump protection in a single unit. The Feedwater Valve features a hardened recirculation plug and seat for low-wear operation, so users save cost and extend pump life.

Available through CIRCOR International's expansive worldwide sales network, CIRCOR RTK® REFlex, REact and other products provide solutions for industries such as petrochemical, pulp and paper, food and beverage, as well as up- and down-stream oil and gas, power, and general industry.

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CIRCOR | SCHROEDAHL

SCHROEDAHL GmbH

CIRCOR | SCHROEDAHL - The Pump Protection Experts

With the invention of the original Automatic Recirculation Valve for pump protection, CIRCOR SCHROEDAHL is an international leader in pump protection and flow control technology. The company designs, manufactures, distributes, and maintains high-class specialty pump protection and control valves.

CIRCOR SCHROEDAHL valves are designed at the highest level of quality for high-pressure applications in nuclear and fossil power, industrial process, and commercial systems, as well as production, extraction, and refining systems in the oil and gas sector.

Pump protection valves from CIRCOR SCHROEDAHL ensure minimum flow rate for pumps at all times to protect against overheating and cavitation. With over fifty years of expertise, CIRCOR SCHROEDAHL offers a wide array of pump protection solutions and technology, including high-quality forged material for high pressure applications and treated surfaces for corrosive media such as seawater. These valves are designed and built with no limit on material, size, or pressure class.

CIRCOR SCHROEDAHL's innovative Automatic Recirculation Valves (ARV) provide an all-in-one pump protection solution by combining the main check valve and the automatic bypass

control. As a flow-sensitive, self-acting, self-modulating system, the ARV enhances efficiency for greater cost savings and stable pump operation. ARVs operate in commercial, power, process, and high- and low-pressure oil and gas downstream systems.

Other control valves for severe service in CIRCOR SCHROEDAHL's expansive product range include high pressure steam control and steam assist desuperheaters that offer water rangeability up to 1:100 and up to 40% water injection, and special combination valves that provide a 2-in-1 solution to cover start-up to full load conditions with one valve. CIRCOR SCHROEDAHL valves feature cavitation-free low-noise multistage trim design with strengths starting from Class 900. Suitable for high pressure water and steam applications of more than 450-600 °C, these valves meet special installation conditions. Your partner for special applications from design to maintenance, CIRCOR SCHROEDAHL designs solutions to meet specific requirements with 3D CAD technology informed by CFD and Finite Element Method analysis. Valves are manufactured with CNC precision, and all CIRCOR SCHROEDAHL products undergo intensive stress and strain testing before delivery to ensure quality, safety, and reliability. Additionally, all planning and manufacturing details of each CIRCOR SCHROEDAHL product are retained, so CIRCOR SCHROEDAHL can provide the appropriate spare parts after years. Prone to long lifetimes without requiring



repair, some CIRCOR SCHROEDAHL valves operate continuously for decades without maintenance. With sales representatives in the United States and as part of CIRCOR International's global network, CIRCOR SCHROEDAHL's specialized pump protection and control solutions are available worldwide.

	
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CNC Flow Control

ONE COMPANY. ONE TEAM. ONE VISION.

"We are not like every other manufacturer. Visit us and you will see we are different. Our people are empowered, we are clear on what we need to do, and each of us owns not only our part of the business, but all the business." ---- Jeff Adams, CNC Flow Control President.

CNC Flow Control was founded in 2017 but is new only in name. Headquartered in Houston, this single business entity unifies several trusted valve and flow line brands from across industry, creating an

experienced, collaborative and diversified team. From extensive, long range projects to same-day delivery of commodity valves, CNC Flow Control is dedicated to understanding customers' needs in order to ensure exceptional service and the best solutions.

A full service Valve Repair & Modification Shop is on site at the manufacturing facility as well as a fully staffed engineering team for technical assistance and expertise. CNC Flow Control product brands include SMITH, C&C, Diamond Gear, Econ, Force and VE, all supported by technical expertise and on-time delivery.



VALVE REPAIR & MODIFICATION SHOP

CNC Flow Control's full service in house modification shop specializes in precision machining, welding, and industrial valve modification and testing. Located at the manufacturing facility in Houston, TX, the specialized shop includes a team of experienced machinists along with certified welders and valve fitters who use calibrated, state-of-the-art equipment to ensure an outstanding finished product and exceptional service. For more information or specific questions on how the shop can assist you, call 713-590-1312.

- Modifications/Changes
- Installs
- Welding Capabilities
- Inspection & Testing

Available Products

Valves:

Ball Valves, Butterfly Valves, Check Valves, Choke Valves, Gate Valves, Globe Valves, Needle Valves, Plug Valves, Specialty Valves

Valve Operators:

Pneumatic Actuators
Gear Operators

Flow Line & Oil Field Products:

Flange Adapters & Crossovers, Ells, Couplings, Crosses & Tees, Gaskets & Seals, Hammer Unions/Other Unions, Hose Loops, Manifolds, Nipples, Plugs, Swages, Swivel Joints, Expansion Joints, Pup Joints, Repair Kits & Parts

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COMEVAL VALVE SYSTEMS

Founded in 1975 and incorporated into the ARI ARMATUREN Group in 2010, COMEVAL VALVE SYSTEMS excels in designing high quality and certified valves for the process industry. Our design and manufacturing processes are ISO 9001 and 2014/68/EU certified by Third Party Notify Bodies and comprehensive of Design, manufacture, NDEs and Tests, QC and Project Management. Our Organization competent staff also provides on / off site engineering service as well as refurbishment, after market and valve modification & automation under a strict guarantee scheme.

Our Group Global Brands for the process industry segment:

UNIFLOW® is a comprehensive portfolio of Isolation Manual and Actuated Valves, Check valves and flow control products in

diverse materials, pressure classes and sizes in conformity with EN and ANSI design standards.

DIAVAL® is a niche-manufacturing programme of manual and actuated Diaphragm Valves, available in Weir and Straight Through patterns, rubber and fluoropolymer lined in diverse material grades and in EN / BS / ANSI design standards.

UNIWAT® is as very comprehensive portfolio of valves for Water Works Systems covering gate, butterfly, check and control valves, strainers and other ancillaries.

Our listed approvals are comprehensive of 2014/68/EU, API 6D, Fire Test API 6FA, WRAS, ACS, ATEX, EAC and TA-Lüft.

Our engineering shop is specialized in valve customizing to suit all customer requirements within short notice.





Company Name: COMEVAL VALVE SYSTEMS

Address: Les Rotes 15
ES-46540 El Puig (Valencia)
Spain

Phone: 0034 961479011

Fax: 0034 961472799

Email: comeval@comeval.es

Website: <https://www.comeval.es>



UNIFLOW® High quality valves
for the process industry



UNIWAT® Comprehensive package
for water works systems

Datong Reciprocity Group Co., Ltd.

Chase Valve Group operates a “MADE IN CHINA 2025” intelligent factory which integrates products, information, data, Internet of things. It is a high-tech enterprise specializing in development, manufacturing and trading of valves.

Our group has succeeded in the vertical integration of its industrial valve manufacturing system and the application of an integrated service system, and is able to accomplish the whole process all in house from raw materials to finished products, including valve design and R&D, forging, casting, machining and actuator production. This one-stop business model ensures the company complies with even the most stringent quality standards from the very beginning in the terms of raw materials. Chase Valve has engaged a number of foreign and domestic senior engineers from Italy, Germany, and Taiwan, and is backed by cutting-edge valve manufacturing techniques of the same sources. The mission of Chase Valve is to create unique castings, develop and produce new materials and engage in valve manufacturing so as to localize both the design and manufacturing of special devices and valves suitable for harsh conditions in China.

Intelligent Production Workshop

Chase Valve adopts the integrated application of ERP-MES-QMS management system and builds dozens of intelligent assembly lines such as automatic pattern making, casting,



processing, assembly, painting, and three-dimensional storage. The workshop operators can enter program instructions on the computer and the production orders will be released instantly.

Quality Control

CHASE Valve has realized monitoring the product data throughout whole process with our complete set of complete production lines, standardized operation with international and a comprehensive quality

management system. We also do some OEM manufacturing for the most famous valve brands of the world.



Company

Name: Datong Reciprocity Group Co., Ltd.

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Yintang Industrial Park
Zhangzhou 363900
Fujian
China

Phone: 0086 5967071111

Email: sales@chasevalve.com

Website: www.chasevalves.com

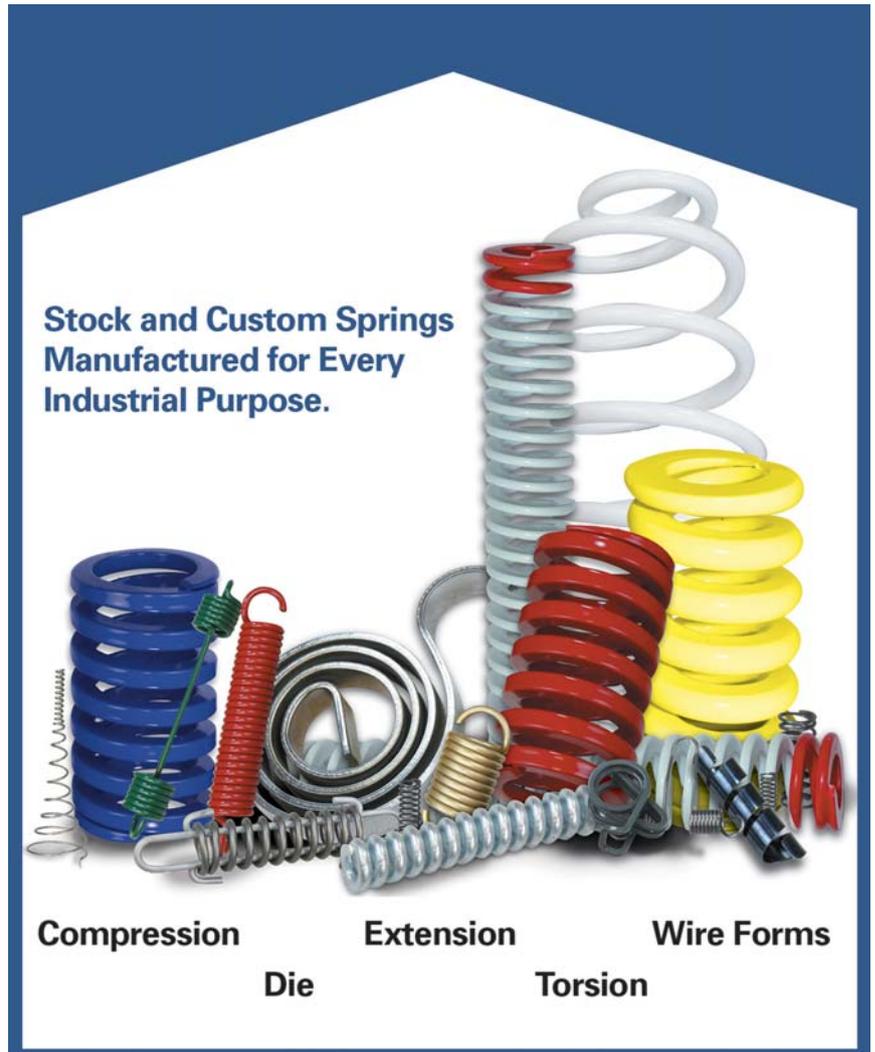
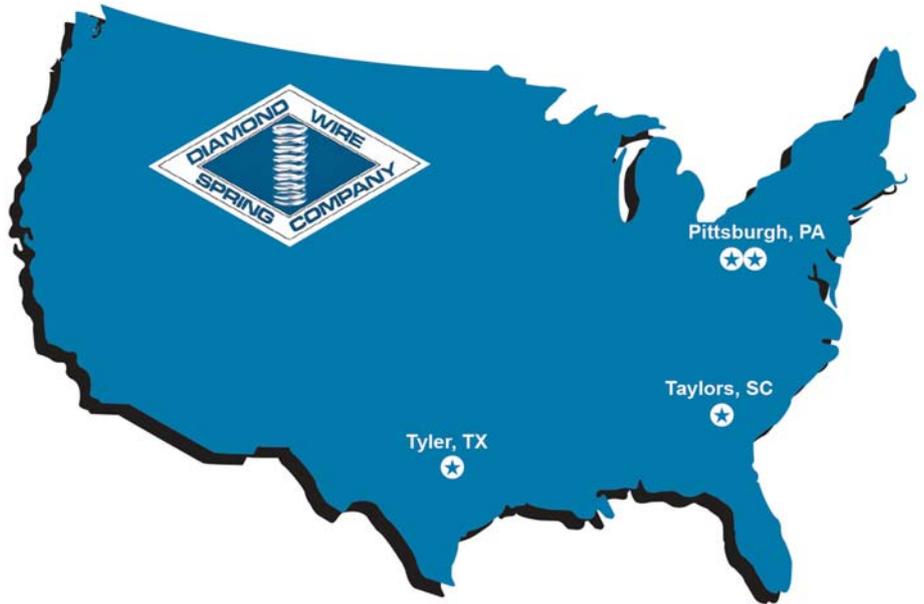
Diamond Wire Spring

We are a family owned, experienced spring manufacturer with over 80 years in the spring industry. Our manufacturing plants expand over 80,000 square feet and are spread across the United States.

Our main facility and corporate office is in Pittsburgh, Pennsylvania; however, we have manufacturing plants in Greenville, South Carolina as well as Tyler, Texas.

We have capabilities to coil springs ranging from .008" - .750" in wire diameter and are also equipped to create wire forms ranging from .008" - .625" wire diameter.

In addition to manufacturing custom compression, torsion, extension, die springs and wire forms, we also have an extensive catalog with a wide assortment of compression, extension and die springs.



Company Name: Diamond Wire Spring
Address: 1901 Babcock Blvd.
Pittsburgh PA 15209
USA
Phone: +1-800-816-5613
Email: sales@diamondwirespring.com
Website: www.diamondwirespring.com

Didtek Valve Co.,Ltd

Didtek, the word to trust.

Since 1985, Didtek Valve has been a reliable valve supplier all over the world.

Worldwide Stock in USA, UK, Germany, Spain, Vietnam, Chile, Brazil, Russia.

The certifications of Didtek valve include Lloyd's Register CE EU Certificate 0038 PED Model H, Lloyd's Register ISO9001:2015, API 6D, API6FA, CU-TR 010/032, OHSAS 18001:2007.

Join us, become a Didtek's sales agent or distributor.



Company Name: Didtek Valve Co.,Ltd
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 Oubei, Yongjia
 325000 Wenzhou
 Zhejiang
 China
Phone: 0086 57767378255
Fax: 0086 57767338181
Email: sales@didtek.com
Website: www.didtekvalve.com

Eayuan Metal Industrial Co., Ltd.

EMICO (Eayuan Metal Industrial Co Ltd), established and well known internationally for its valve production, commenced operations in 1984 with its first production facility based in Lukang, Changhua County, Taiwan. A second manufacturing plant was established in 2002, in Shanghai China, and moved to Wuhu Anhui China in 2018, with Japanese collaboration. EMICO has an international sales center in Taichung to promote EMICO's products.

Based on the guidance of company strategy of Mr. Jason Lin, President of EMICO, together with the efforts of management and staff, EMICO's goal has always been to provide exceptional products with consistent superior quality, ensuring long-term customer support and trust. The company adheres to a set of values that is core of the business, resulting in employee commitment and customer trust and respect.

Along the way, EMICO has obtained various international quality assurance system approvals such as ISO 9001, PED CE, API 6D, along with numerous product certificates including Fire safe approvals, Australian Gas Approval, Fugitive Emissions tests ISO 15848, API 608...etc.

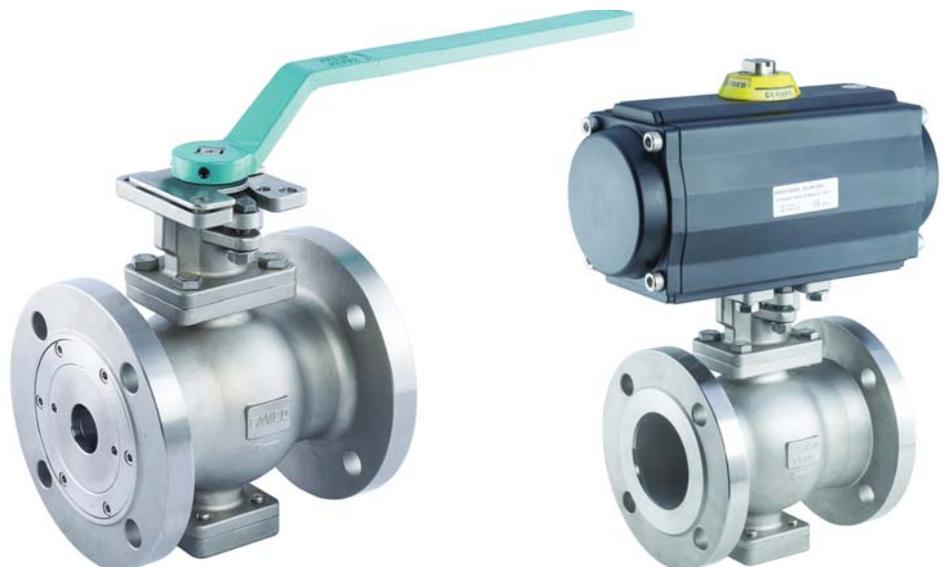


In 2012, EMICO set up its own Investment Casting foundry in Taiwan. EMICO is one of few integrated valve companies that have their own foundry as well as manufacturing facility for valve production. EMICO's valve product range includes floating and trunnion ball valve,

segment ball valve, v-port ball valve, gate valves, globe valves and check valves.

EMICO is seen as a reliable supplier you can count on for consistent high-quality, on-time delivery, and competitive prices.

	
Company Name:	Eayuan Metal Industrial Co., Ltd.
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Fax:	+886-4-22596116
Email:	emico@ms4.hinet.net
Website:	www.emico.com.tw



FANGZHENG VALVE GROUP CO., LTD

We (FZV) are dedicated to producing excellent valves, to achieve customer satisfaction based on the principle of quality assurance and continual improvement.

FZV is approved by many oil & gas companies such as: SHELL, CHEVRON, VOPAK, CNPC, SINOPEC, CNOOC, ENI, PDO, PETRONAS, KNPC, SASOL, SANTOS, etc. and EPC companies such as: WORLEY PARSONS, TECHNIP, FLUOR, SAMSUNG, HYUNDAI, JGC, CHIYODA, etc. We are specialized in supplying API 6D, API 600, API 6A, API 16C products and wellhead equipment.

Company was established in the year 1983. We are located in both Shanghai and Wenzhou China with total building area 76000 m². Until now, we have expanded into a group with 6 holding companies, oversea branches, sales offices and sales agents; 780 employees worldwide; the maximum production capacity reaches up to 32,000 tons.

Recognizing the growing need, we developed our own laboratory for research & development for product design innovation and verification. We have the complete in house inspection facilities and test equipment to control the production quality such as for carrying out the



mechanical test (tensile, impact, hardness), PMI machine for chemical analysis; in house NDE test as PT, MT, UT; fugitive emission (FE) test for low emission requirement and Shell TAT, etc. We simulate tests in the critical working condition (test in high and low temperature, range from -196~550°C) and verify the product performance.

FZV is certified by ISO 9001, ISO 14001, ISO 18001, API 6D, API 600, API 6A, API 6A-PR2, API 607, APIQ1, CU-TR, ATEX and CE/PED, etc.

We are a humble and united team, to be more diligent and progressive to show integrity to our clients.



Company

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Fax: 0086-577-6735 8449
Email: fzvalve@china-fzv.com
Website: www.fzvgroup.com

FERESPE

FERESPE's mission is to ensure innovative solutions producing sand castings in Super Duplex and Duplex stainless steels, Super-Austenitic, High Alloyed Cast Iron and Low and Medium Alloyed Steels, exceeding our customers' and business partner's expectations and creating lasting bonds.

We produce COMPONENTS FOR PUMPS AND VALVES with application in Energy, Oil & Gas, Refining & Petrochemicals, Chemical, Pulp & Paper, Marine, Mining, LNG & Cryogenics, Water & Wastewater and Nuclear Power and also casting COMPONENTS for Railways, such as Bogies, Couplers and Car Bodies, and EQUIPMENT to the Petrochemical Industry, Agricultural Machinery, Food Processing Equipment, Earth Movement Machinery, Dredger Vessels, Concrete and Cement Industries.

Our Key Success Factors:

- High Quality Standard niche market
- Full commitment w/ delivery dates
- High versatility/ flexibility of produced alloys
- Anticipate Market needs
- Looking 'always ahead'
- Continuous Improvement
- Competitive pricing

FERESPE has positioned itself in a niche market that is characterized by small and



medium series. Our castings range from 1 kg per piece to 650 kg and up to 1.300 × 1.075 × 1.100 mm.

With proper certifications, a highly trained and qualified team, a dedicated area for Stainless Steels and a strong relation to R&D Centres.

CERTIFICATIONS AND QUALIFICATIONS

Our commitment with Quality differentiation consolidates the solutions we can offer to our Clients.

- Quality Management System according standard ISO 9001:2015 (DNV GL)
- NORSOK Code M-650 Rev. 4 – special materials for sand castings in Duplex and Super Duplex stainless steels
- Castings for valves and pumps for nuclear (KTA 1401 and ASME NCA 3800)
- Pressure Equipment - Directive 2014/68/ EU and AD-MERKBLATT Wo / TRD 100 (TUV NORD)
- Castings in Austenitic Stainless Steel (Lloyd's Register)
- For Railway Industry:
 - Fabrication of Products for Railway Vehicles (DB)
 - Performs welding of railway vehicles and components according to EN 15085-2 (TUV NORD)

- For Marine Applications:
 - According «BV Mode II Scheme». BV (Marine & Offshore Division)
 - Approved Casting Facility and Process Approval for manufacturing Iron and Stainless Steel Casting
- Steel Castings - DNV GL rules for classification – Ships
- Management system conforming to Environmental Management System standard ISO 14001:2015

Cast components from the foundry are sent to the machine shops where they are machined, surface treated, painted and pre-assembled before being delivered, often directly to the customer's production line.

Our Vision is to be recognised as a reference company in its main market for its competence, quality and reliability, respecting human values and developing a social awareness.





Company Name: FERESPE - Fundação de Ferro e Aço, Lda.

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Fax: 00351 252 490479

Email: ferespe@ferespe.pt

Website: www.ferespe.pt

FluoroSeal Group

We're a world-leader in the creation of industrial valves: designing, making and servicing standard and custom valves. We deliver high-quality valves, technical support and complementary services worldwide, using our large manufacturing footprint and network of warehouses, distributors and representatives. Excited by challenges, we take on difficult applications that others won't and provide the quality that others can't.

A global force

Our group was formed in 2018 when Brdr. Christensen joined the FluoroSeal family, increasing our manufacturing capacity and product range. We now have three defined divisions: FluoroSeal for the chemical, petrochemical, mining and related industries; Brdr. Christensen for oil and gas; and Seguro for water and wastewater management. Our expertise dates back to 1958, allowing us to marry history with innovation, and tradition with ambition. Together, we can meet complex clients' needs and lead the valve market into the future.

FluoroSeal Group is a global operation with over 600 employees. Our cross-functional team includes engineers, metallurgists, quality assurance specialists, designers and an international salesforce. Headquartered in Canada, we have fully-owned foundries and manufacturing plants in Canada, Denmark, China and Ukraine. Our global reach gives us the capacity to offer an extensive range of valves on demand, at competitive prices, in a wide range of exotic alloys.



Innovative and client-oriented

Our culture is client-oriented, allowing us to meet complex needs with ease. We can deliver swiftly during emergencies and unscheduled shutdowns, without compromising quality. The industries we work in are complex and ever-changing, and so are we. We're innovators, constantly seeking opportunities to refine our existing products and create new ones. Flexible and bureaucracy-free, we're able to respond quickly to change and make crucial decisions when it matters.

Quality design and manufacturing

Our talented, experienced team leads our constantly evolving design and manufacturing work. Quality is everything to us, and we use the latest machinery, production methods, product testing methods, and quality control procedures. Our Quality Management System and manufacturing processes are ISO 9001:2015, PED 2014/68/EU, and API Spec Q1 certified.

Product Lineup

Non-lubricated Plug Valves

- Lined Plug Valves
- Sleeved Plug Valves
- HF Alkylation Plug Valves
- Severe Service (FE) Plug Valves
- Special Service Plug Valves

Lubricated Plug Valves

- Single Taper Plug Valves
- Top Entry Taper Plug Valves
- Taper Twin Plug Valves (DBB)

Ball Valves

- Lined Ball Valves
- 2-piece Trunnion-Mounted Ball Valves
- 3-piece Trunnion Mounted Ball Valves

Butterfly Valves

- Lined Butterfly Valves
- High Performance Butterfly Valves

Gate Valves

- Rubber Sealed Gate Valves

Actuation

- Pneumatic Actuator
- Declutchable Manual Override

Industries Served

- Oil & Gas
- Chemical
- Fertilizer
- Food Processing
- Mining
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp & Paper
- Steel Manufacturing
- Water & Wastewater



FLUROSEAL GROUP

Company

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 Canada
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Fax: 001 514 739-5452
Email: sales@fluorosealgroup.com
Website: fluorosealgroup.com

FRVALVE

FRValve as a professional forged steel ball valve manufacturer, with the most modern and the strongest equipment, and has one of the largest and most flexible capacities for large diameter pipeline ball valves in the world.

The latest computer technology is applied in all professional production and quality control process.

In recent years, FRVALVE has made huge breakthrough for the forged steel ball valve technology, from Top Entry Construction Design, Metal to Metal Sealing System, Low Temperature Service, Cryogenic working condition etc., to meet the most severe and stringent services of the Oil, Gas, Chemical, Marine, LNG and Power Industries.

The FRVALVE ball valves owe their success on the market to the perfect combination of design and performing characteristics. The most modern and reliable technology is always under first priority, which the metal to



metal sealing system, Top entry construction, Low temperature and Cryogenic sealing system were patented.

Under complete support from FRVALVE professional team, the products quality

is fully guaranteed by the BALL VALVE EXPERTISE SYSTEM.

The goal is to give our customers the best product at a competitive price, delivered on time and with the backing of a full service program.



Company

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China

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Fax: +86 512 660 792 71

Email: jobmanagement@frvalve.com

Website: www.frvalve.com

GENEBRE

Genebre is a leading company and world reference in valves and accessories for fluid control/regulation and high-quality taps. We control all of the creation processes, responding to the specific needs of each market: from the initial concept and design of the product to the production and commercialization.

Since its founding in 1981, we have combined important innovation skills with a strong commitment to the international market.

Genebre is a world leader in fluid control. We have made a strong commitment to the diversification of our product range and to reaching the end user. Genebre products are grouped into four main lines:

- 1 Hydrosanitary line: valves, climate control valves, gas valves, solenoid valves, brass fittings and water meters
- 2 Industrial line: industrial valves, sanitary valves, automation and control, stainless steel fittings, and industrial instrumentation
- 3 Domestic taps line: bath and kitchen taps, accessories and spare parts

- 4 Public taps line: timed and electronic taps, medical taps, industrial kitchens taps, thermostatic mixers, technical mobility supports, accessories and spare parts.

GENEBRE'S PRODUCT GUARANTEE IS RECOGNIZED WORLDWIDE

GENEBRE has implemented a quality management system to control the designing and manufacturing of fluid control valves, as well as home and public taps.

- This system complies with the requirements of the current international UNE-EN-ISO 9001, certified by the prestigious German certification organization TÜV Rheinland.
- ISO 14001, certification for the Environmental Management System. This system is certified according to the UNE-EN-ISO 14001, and also by TÜV Rheinland
- UNE 166.002:2006, R+D+I Management System
- CE stamp for industrial valves according to Pressure Equipment Directive 97/23 / EC external certification by TÜV Rheinland,



- N Aenor stamp for the gas valves line,
- Water quality certification, confirming compliance with the health criteria of water quality for human consumption (RD 140/2003 7 February - Spanish legislation), and the European Directive 98/83/ EC of the European Council, 3 November 1998, relating to the water quality intended for human consumption by "Laboratorios Oliver Rodes"
- EC homologation and other specific certifications for markets in Belorussia, Chile, Poland, Russia and Ukraine.

More than 37 years of history, a team of 185 professionals, export to 110 countries, headquarters in Barcelona, subsidiaries in Argentina, Brazil, Mexico, Uruguay and China.

Above all, we have a sustainable mentality focused on saving water and fluids, and we aim to generate a positive impact on people and the environment.



GENEBRE

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Fax: +34 93 298 80 08

Email: exportacion@genebre.es

Website: www.genebre.com

Global-Set Valve Components Jiangsu Co.,Ltd

INTRODUCTION

Global-set Valve Components Jiangsu Co.,Ltd (GSVC) is a newly founded tech-innovation company established in May, 2013. We are a professional provider of valve (mainly ball valves) sealing solutions.

Top Production Technology

Based on advanced manufacturing technology of valve sealing products and aviation manufacturing experience, we guarantee super and stable quality of products. Meanwhile, the advance manufacturing technology will help quick working period and optimize producing efficacy.

Advanced Management System

According to ISO quality management system and our working experience in top 500 companies, we focus on process quality control, thus guarantee stable production quality. Now we acquire DNV ISO9001-2015.

Elites Team from Valve and Aviation Industry

We are a young and innovative team with average age of 35, they comes from top 500 companies of valve and aviation industry, they have abundance experience on management and production. We can offer consult, design, production and improvement service according to your requirement.

Super Quality and Competitive Price

We offer super quality and competitive price products for customers by optimizing



technology and lower cost. We are aimed to offer top class sealing products for customers all over the world.

MANUFACTURING CAPACITY

GSVC have more than 20 pcs CNC from DOOSAN and Neway, and offer around 4000 pcs seats each month;

GSVC not only offer production service, but also offer consult and design service according to customers' requirement.

GSVC are specially skilled at rubber sealing seats, lipseal and cryogenic seats with high requirement about precision production and roughness less than 0.2.

QUALITY PROCESS CONTROL

GSVC have professional measurement equipments such as CMM from Hexagon, spectrometer, shore durometer ect; GSVC acquired DNV ISO9001-2015 certificate for our strictly quality control system; GSVC focus on process quality control, each production is marked with unique ID number to assure it's traceability and accuracy.

PRODUCT VIEW

1. ELASTOMERIC SEALING SEATS

The seat combines rubbers, thermoplastic and metal ring together, which main sealing relies on rubbers.

This kind of structure is famous on its zero leakage sealing effect, especially suitable for gas pipeline valves.

This structure is usually used from pressure class 150-1500, size from 2"-56".



2. METAL TO METAL SEATS

The metal-to-metal seat is composed by metal ring with special coating locked into metal seat. According to different environment, pressure, temperature and chemical composition of the medium, different coating material is adopted such as Electroless Nickel, Chrome Carbide, Tungsten Carbide. With technology improved, the metal to metal seat provided by GSVC is well done on zero leakage and surface roughness less than 0.2.

3. PLASTIC INSERTED SEATS

The plastic insert seats is composed by engineer plastic ring and metal seats. The plastic ring is inserted into grooves by hydraulic press rather than traditional rolling press.

The plastic insert seats is widely used for various environment, pressure from 150-2500LB, size from 1/2"-40".



Company

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Fax: 0086-511-86338822

Email: weip@gsvchina.com
web@gsvchina.com

Website: www.gsvchina.com

Goodwin International Limited

Goodwin International is a market leading manufacturer of Dual Plate & Axial Non Slam Check valves. We have recently added to our portfolio of quality products a range of Actuated Axial Isolation (On-Off), Control (Modulating), HIPPS and In-Line Choke Valves. These additional products are manufactured to the same exacting quality and performance standards as our existing Dual Plate and Axial Non Slam Check valves.

All valves are produced at our ISO 9001, 14001 & 18001 accredited facilities in Stoke-on-Trent, Staffordshire. Supported within the group by our Sister Company Goodwin Steel Castings with casting expertise dating back to 1883. Alongside this, we have our ISO 17025 accredited Chemical & Mechanical testing laboratory (Metal Proving Services). Our facilities and machine shop have over 60 state of the art CNC machines of various size and attributes, the largest of which is 100 tonne 5 Axis CNC. All non-destructive examination, hydrostatic, LP pneumatic, HP Gas, Cryogenic (-196 Deg C) testing is all carried out onsite within the Goodwin group



of companies. This ensures we maintain full control of product quality, price and delivery lead times.

With an enviable reputation within the global hydrocarbon industry for our existing range of check valve products, our targeted aim is to piggy back onto the excellent name we have with these new and exciting products we have added to our range. The Goodwin actuated Axial Isolation & Control valve range has a number of unique and innovative features which set it apart from existing and established manufacturers. These technical improvements in the design, we feel will bring benefit to you

the customer. Furthermore bring to the market a technically compliant manufacturer of reputed quality, to compete directly in a marketplace for this type of valve that has, for a significant number of years, been subject to a market monopoly of one.

Simply put, we are bringing competition to a market where none has previously existed. To find our more information on our existing and new product range you can find us at the following website addresses www.checkvalves.co.uk, www.goodwinflowcontrol.com, www.goodwin.co.uk.



GOODWIN INTERNATIONAL LTD

Company

Name: Goodwin International Limited
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Fax: +44 1782 208060
Email: flowcontrol@goodwingroup.com
Website: www.goodwin.co.uk

grm Válvulas e Instrumentación s.l.

GRM, Valves and Instrumentation, S.L. is a distribution company of industrial material specialized in fluid vehiculation, GRM which has a team of technical professionals with more than 40 years of experience willing to advise you and become your best collaborator.

From its beginning GRM, Valves and Instrumentation, S.L. have been working to improve our services and find the best solutions for our clients. We have 7 departments – Quality, Commercial, Logistics, Accounting, Communication, Engineering and Post-Sales – designed to make your experience with our company as effective as satisfactory.

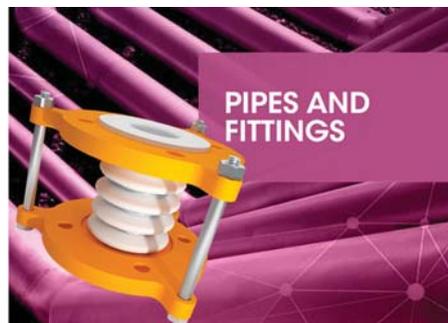
Currently our range of products is divided into 4 extensive fields: Valves, instrumentation, automatization and



industrial pipes and fittings. Our products have competitive prices and high-level features thanks to our collaboration with prestigious brands focused in quality performed products such as: Afriso, Cepex, Coax, Diflon, Georjin, Kitz ISO Corporation, KTN valves, Persta Armaturen, Prisma, Quadax and Tecfluid.

Our worldwide shipments include all risk insurance. We work hand in hand with the best companies to make orders always arrive successfully.

GRM, Valves and Instrumentation, S.L. is a company that is committed to quality and the highest features in all our services. The quality department performs continuous improvement exams so that each product is certified by the most recent and demanding quality standards.





Company Name: Válvulas e instrumentación s.l.

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Spain

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Spain

WhatsApp: +34 658 206 581

Phone: +34 93 587 22 22

Fax: +34 93 588 85 95

Email: grm@grm.com.es

Website: www.grm.com.es



Guide Valve Limited

Guide Valve Limited established in 1980 with its headquarters in Ontario, Canada specializes in the manufacturing of valves. We are the manufacturer of the trademark bands GVS, VCI, Lowe and GVS-Malema. Our products are based on the most advanced technologies and are used in all sectors from petrochemical refining process to transportation and distribution of the end-product.

PRODUCT:

GVS®- The GVS trunnion mounted ball valves are tested and manufactured to API 6D, CSA Z245.15, API 608 and API 6A. We specialize in DIB1, and DIB2 design and the product is available for services such as SAG-D, Amine, Acid gas, CO² and available in many special trims, metal seats, fugitive emission stems etc.

VCI®- We are a leader in the Automatic Emergency Shut off valves certified by FM 7400 and CSA 6.5. in temp range from -60 °F to +149 °F. We also have manual soft seated and metal seated designs. Our T-400 Series Multi-Port 3 or 4 way ball valve is the only valve with the patent design of integral bleed ports in thus eliminating the need for bleed flanges.

LOWE- This patented quarter turn rotary wedge design with metal to metal seal is



GVS-Malema M-XF

suited perfectly for the high temperature up to +1200 °F. For some of the harshest conditions out there this valve is a solution provider.

GVS-MALEMA- Malema is a field adjustable safety excess flow valve this provides instant shut off in the event of a line break, and excellent for remote applications.

BETTER BY DESIGN SLOGAN

Our “Better by Design” mantra is driven from the top down in our company. This assists us in maintaining the best quality of valves in the industry as our manufacturing process and attention to quality and testing



ensures we keep our customers coming back time and time again. Ask about our lifecycle program commitment to installation and service.

Guide Valve Ltd is a world class quality valve manufacturer. Our commitment to providing our clients with leading edge technology and fit for purpose solutions for the toughest applications is our specialty.

Our quality management, engineering and innovation are what separate us from our peers. Owning every step of the process along the ways allows us to maintain superior results for our customers.



GVS Trunnion Mounted



VCI T400 LOWE



Company Name: Guide Valve Limited
Address: 51 Terecar Drive Unit#1
 Woodbridge ON L4L 0B5
 Canada
 Guide Valve USA Limited
 Houston TX 77063
 United States of America
Phone: 001-905-761-7877
Fax: 001-905-761-7917
Email: sales@gvs-vci.com
Website: www.gvs-vci.com

Hi-Alloy Valve

Hi-Alloy Valve manufactures a broad range of O&G valves for the upstream, midstream and downstream markets including, ball, gate, check and globe valves. Our extensive product offering encompasses a wide array of valve types, sizes, pressures, materials end connections and further detail specifications to satisfy the unique valve needs of our customers.

We cater to energy clients in North and South America, Middle East and Asia with comprehensive support and service, offering high quality standards, competitive pricing and accelerated delivery.

We are headquartered in Houston, Texas USA. Our principals bring vast experience in the manufacturing and machining of highly trusted valves for reliable service in the most demanding applications. Our mission is to manufacture and deliver high quality valves with exceptional turnaround time and a strong commitment to safety, integrity of the product and customer satisfaction. In order to accomplish this, we do our own in-house engineering, design, machining, assembly, testing and inspections.

Our Valves are manufactured according to API 6D & 6A standards and our process is modeled



after ISO 9000 and Q1 standards, and work towards assisting with MBE/HUB efforts. Our unparalleled experience integrates industry best practices with comprehensive support and services. Hi-Alloy is committed to the highest

quality standards and we ensure that our customers receive comprehensive after-market support all the while respecting our business agreements with partners in the different geographical international regions.


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Website: www.hialloyvalve.com



HOHHOT MONVA VALVE CO., LTD.

Established: 2005

Located in: Hohhot City, Inner Mongolia, North China, Close to Beijing.

Our advantage products are various kinds of check valves, and ball valves with mounting pad ISO5211 which have been controlled as low torque.

Main products include Stainless Steel and Carbon Steel Ball Valve, Check Valve, Gate Valve, Globe Valve, Y-Strainer and Investment Casting Parts.

Certificates: ISO9001, CE/PED, AD2000, ATEX, Fire-safe API607 were approved by German TUV.

Valves connection standards: ISO, DIN, ANSI, BS, JIS and GB.

Main overseas markets: Europe, the North and South American, Australia, Asia, etc. More than 40 countries.





Company Name: HOHHOT MONVA VALVE CO., LTD.
Address: 4.5 KM, Huha Road
Xincheng District
Hohhot 010050
Inner Mongolia
China
Phone: 0086-471-3620191
Fax: 0086-471-3620193
Email: kevin@monva.com.cn
Website: <http://www.monva.com.cn>

Hubei Taihe Petrochemical Equipment Co., Ltd

Hubei Taihe Petrochemical Equipment Co., Ltd, located in Zigui, Hubei, the middle of China, the location of the Three Gorges Dam, is a high-tech corporation, which develops, designs, manufactures, sells and services for valves and fittings manufacture, as well as offering solutions for the flow control, industrial process and the flow technical consultation. Founded in August 2007, with a registered capital of 180 million, our company now covers an area of 121,787.17 m². We are the pioneer who can applicate ball valve and butterfly valve sealing technology and, in this field, are devoted to **cryogenic valve** technology. Moreover, we are the leading enterprise who carry out cryogenic valve R&D and manufacture in central China.



We have refined apparatus, eight production lines and three pipe fitting lines, and over 500 million RMB annual output value. There is a complete range of advanced international manufacturing equipment, including equipment for physical and chemical inspection, nondestructive testing, spectrum, rockwell hardness testing, cryogenic treatment and testing, flow characteristic, etc. Meanwhile, we also have received certification of TS, ISO9001: 2008 quality management system, ISO14001 environmental system, OHSAS18001 safety management system, API6A/6D, ABS, CE and SIL3, which contributes to an excellent quality guarantee system. Our products include gate valves, globe valves, check valves, ball valves, butterfly valves, control valves and a variety of special valves, ranging from DN25 to DN3800, PN2.0 to PN42, -256°C to 630°C, which are widely used in oil and gas, chemical, power, shipbuilding, mining, water treatment and

industrial systems. Our products are not only sold in domestic markets, but also exported to countries and regions worldwide, such as America, United Kingdom, France, Brazil, India and Hong Kong, etc.

Moreover, we have built up University-Industry cooperation with Lanzhou University of Technology and Changjiang University, and set up a series of R&D centers, such as LNG cryogenic fluid control valve R&D center, flow control material analysis laboratory, as well as multifunctional valve flow specification test laboratory. Until now, we have 16 independent intellectual properties, including 5 invention patents and more than 40 utility models patents. Independent research and development of ultra-low temperature fluid control engineering technology, and obtaining the key technology of High-end Equipment Manufacturing.

Your inquiries and visits are sincerely welcomed, and we are also cordially willing to make a mutual development, and hope to create a better future with you!

Range of products:

- 1, *Cryogenic Ball Valve*
 - Size: 1/2" ~ 20"
 - Pressure rating: CL150~CL1500
 - Temperatures: -196°C ~ -29°C
- 2, *Cryogenic Butterfly Valve*
 - Size: 2" ~ 60"
 - Pressure rating: CL150~CL600
 - Temperatures: -196°C ~ -29°C
- 3, *Cryogenic Check Valve*
 - Size: 1/2" ~ 20"
 - Pressure rating: CL150~CL1500
 - Temperatures: -196°C ~ -29°C
- 4, *Cryogenic Gate Valve*
 - Size: 1/2" ~ 20"
 - Pressure rating: CL150~CL1500
 - Temperatures: -196°C ~ -29°C
- 5, *Cryogenic Globe Valve*
 - Size: 1/2" ~ 20"
 - Pressure rating: CL150~CL1500
 - Temperatures: -196°C ~ -29°C



Company

Name: Hubei Taihe Petrochemical Equipment Co., Ltd

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Ziqi Economic Development Zone
Yichang City
Hubei Province
China

Phone: 0086 027 88010358

Fax: 0086 (0)717 2866298

Email: 186717108611@qq.com

Website: www.hbthchina.com

IMI STI

IMI STI designs and manufactures complete actuation systems since 1960, which can be fully customised to meet customers' needs, in order to operate industrial valves for the most demanding applications and processes. Our fast-stroking, highly-reliable actuators have been recognised for providing superior performance in severe service applications for over 50 years. This is supported by qualifications obtained from some of the most important players around the world (i.e. ADNOC, ENI, KNPC, KOC, PETROBRAS, PETRONAS, SHELL ...).

We provide a wide range of valve actuation products including linear and quarter turn actuators (both pneumatic and hydraulic, for on-off and modulating applications), positioners and a full choice of accessories.

All of these products are designed and made at our headquarters in ITALY, which, thanks to its 15.000m² area, allows us to have several 'tools' helping to control and improve the quality of our products such as a testing area with testing benches (covering up to 250.000 Nm), a climatic test room (from -70°C to +150°C), R&D Laboratory and a proper mechanized painting department (with sandblasting cabinet), where procedures and specifications have been developed to meet the most stringent requirements in terms of corrosion resistance (i.e. NORSOK, SHELL DEP, ISO 12944).

Critical applications

Power

Key applications include turbine bypass systems, steam damper heating, boiler level control (including nuclear), pump



Electro-hydraulic quarter turn actuator for power plant in Poland



recirculation, emergency shut-down, line isolation and dampers for fans.

Oil & Gas

In the oil & gas industries we provide compressor anti-surge, choke valves, gas to flare and dampers for fans.

LNG

Most compressor anti-surge valves in LNG plants (including LNG ships) worldwide are fitted with our actuation control system, maintaining plant up-time and operational efficiency.

Key technologies

Linear actuator

Our pneumatic and hydraulic valve piston actuators and damper actuators are purposely designed and manufactured to operate flow control devices such as dampers, louvers, IGV and a full range of control valves like globe, choke and axial.



Pneumatic linear actuator ND 1500 mm completely in stainless steel for Statoil

Quarter turn actuator

This series offers a complete range of pneumatic and hydraulic quarter turn actuators suitable for all onshore and offshore applications, covering the general on-off valve and modulating control valve duties.

Positioners

A different assortment of positioners: pneumatic, electro-pneumatic and smart (very high flow rate such as FasTrak® positioner).

Special applications

Big size - No problem to create any size needed without limits. Dimension isn't a limit, but a challenge.

Actuators in fully stainless steel material - Both linear and quarter turn.

Electro-hydraulic - High Torque Version up to 600.000 Nm

To learn more about us, visit our website www.stiactuation.com.



Company

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Website: www.stiactuation.com

Indra Srl

Set up in 1987, **Indra Srl** is nowadays at the forefront in the designing and manufacturing of a new concept instrumentation Valves: Manifolds, Monoflanges, SBB & DBB both in needle and ball types, strictly produced in according to the most stringent quality standards of safety and efficiency. The company is characterized by 'Made in Italy' and by the monitoring of all the production's steps, from the engineering to the construction. A product traced in all its phases of production and the certain origin of the materials are fundamental characteristics in critical applications of various industrial sectors, especially for the Oil & Gas and Petrochemical industry, where *Indra* mainly operates.

The experience in the understanding of applications requirements, combined with the high flexibility, allows *Indra* to develop customized solutions designed for customers' specific needs. The products are machined from the most standard materials but also from those 'exotic' materials used for critical applications (Duplex, Super Duplex, Monel...).

Indra's valves production can be completed with complementary accessories, something that makes the company a favourite and reliable partner for those companies that supply 'packages' of various matching goods.

Indra products are widely used in the Chemical, Petrochemical, Oil & Gas, Off-Shore, Power Generation, Naval industries, etc., used as components of plants and machineries with an high commercial and technological value.

The certifications *Indra Srl* is ISO 9001, 14001 e 18001 certified. The product certifications are also indispensable: Fugitive Emission, Fire Safe, Ped, Atex, are just some of the certifications available to the customer on request.

The company headquarters is in Magenta - west of Milan - in a 3.000 sqm owned building, 1.000 sqm of which are designated as offices. *Indra* is currently setting up its world wide business-network with several local distributors.



Hips SIL 4 Interlocking Manifold



One Piece Twin DBB Valve



Manifold



Trunnion DBB Valve

	
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Website:	www.indra.it

INOXYDA SA

INOXYDA is a sand casting foundry specialized in copper based alloys since 1924, more specifically in Nickel Aluminium Bronze for valve and pump applications. We can manufacture castings up to 30 Tons. Parts are delivered:

- as cast, rough or fully machined
- in some cases forged,
- with/without heat treatment.

INOXYDA, A REGISTERED BRAND NAME:

As a focused Nickel Aluminium Bronze alloy supplier, we can deliver according to all international standards (EN, ASTM, BS) but also according to our own registered brand developed to include specific requirements:

- Inoxyda 53H / 3P for cast parts
- Inoxyda 90 / 3P for sheets and bars
- Inoxyda 53 AMA for non-magnetic casted parts
- Inoxyda 154 for high resistance cast parts

These alloys have specifically been engineered to provide high mechanical performance and good resistance to corrosion. This combination of properties make INOXYDA alloys ideal for a wide variety of industrial applications (including naval and military applications):

- Valves for oil & gas, chemical and offshore industries
 - Butterfly discs up to 114"
 - Gate valve bodies up to 40"
 - Flanges

- Heat exchangers
- Pump casings and impellers

Our long experience of process simulation using MAGMA SOFT software enables us to work on the most complex projects to provide world class quality standards.

MANUFACTURING PROCESS RANGE:

SAND CASTING:	from 1kg up to 30 T
CONTINUOUS CASTING:	Ø 100 to Ø 415 mm
TUBESHEET:	Up to 10 T
CENTRIFUGAL CASTING:	up to Ø 6m / 20To (LBI group)

Other requirements such as rolled plates and welding wire for our INOXYDA brand available upon request.

QUALITY:

INOXYDA is ISO 9001 certified and can provide a wide range of analysis using our in house laboratory. Among regular customer requirements:

- Mechanical properties (Rm, Rp 0.2, A%, resilience)
- Chemical analysis,
- Micrographic test
- Ultra-sonic test
- Dye penetrant test
- X-rays
- Pressure test,



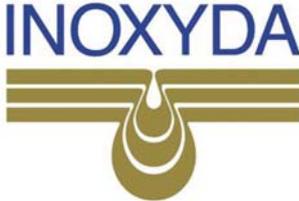
To complete those capabilities, we hold the necessary agreements and certificates from:

BUREAU VERITAS, LLOYD'S REGISTER OF SHIPPING, AMERICAN BUREAU OF SHIPPING, GERMANISCHER LLOYD'S, TUV, DET NORKE VERITAS, RINA

LBI Foundries:

As a member of the LBI group of foundries (50 M€ / 350 employees / www.lbi-foundries.com) we hold references worldwide and can support your projects with sand casting, continuous casting and centrifugal casting capabilities.





INOXYDA

**FONDERIE
d'ALLIAGES CUIVREUX**

Company	
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Fax:	+33 2 35 72 99 99
Email:	olivier.gouriou@inoxyda.fr
Website:	www.inoxyda.fr

International Standard Valve

International Standard Valve, Inc. is located in the great industrial district of Stafford, Texas. The corporation's key management team comprises over 60 years of industrial valve manufacturing experience.

To better serve ISV customers, they are pleased to announce that as of March 2019, International Standard Valve has completed their relocation to a new and expanded size facility. The new location is approximately ¼ mile from the previous facility. International Standard Valve produces their own brand of ball valves, gate, globe & check valves specifically designed for the oil & gas, refining, natural gas, power generation, chemical, petrochemical, pulp & paper and mining industries. With double the square footage of their new facility, ISV is now capable of manufacturing and testing valves up to 42".

ISV's core competences reside in two key areas of valve manufacturing: The manufacture of fully code compliant valve products and a multi-layered quality assurance program. ISV offers a wide variety of valve designs that are in full compliance with API and ASME piping codes and standards, providing users an extensive array of commonly requested valves and special designs that meets industry standards as a norm.

ISV's quality assurance program is certified to API 6D, API Q1 and ISO 9001 Quality

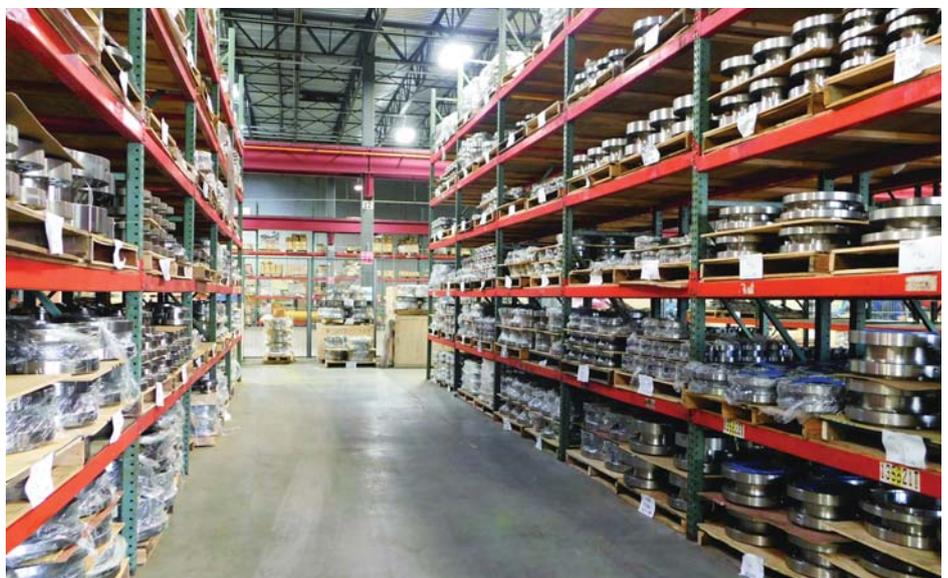


Management Systems and additionally include unique levels of in-house pressure testing of our internationally produced valves at the ISV Stafford facility. ISV also maintains material certification data base at the component level for extended product reliability with Material Test Reports available with every shipment.

International Standard Valve continues to serve a wide variety of industrial markets including oil and gas, refining, petrochemical, natural gas pipelines & distribution in North America, South America, West Africa, Middle East, Western Asia and South East Asia.



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United States of America
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Fax: 001 7139837602
Email: sales@isvalve.com
Website: www.isvalve.com



Jiangsu Wanheng Casting Industry Co., Ltd.

WANHENG was established in 1986, and is a premier and professional supplier of steel & pump castings in China. WANHENG is a foundry that specializes in the manufacture of steel valve castings. In the past decades, WANHENG has experienced big growth and expansion which contributes to our customers. Currently, WANHENG is capable of offering customers with flexible choices of Casting, Machining, and Assembly (OEM).

With a total of 4 facilities of more than 676,000 square feet in area and over 1450 employees, Wanheng headquarters is located in Binhai North Industrial Park, next to the coastal highway, just 2 hours by train and 1 hour by air to Shanghai.

We produce castings with four processes: shell molding investment casting, combined investment casting, sodium silicate casting and sand casting. We are equipped with an AOD furnace, VOD furnace and a full set of testing facilities. We have obtained many certifications from international and Chinese standards organizations: ASME, ISO 9001, ISO 14001, ISO 18001, API Q1, API 6D/ 600, API 6A/ 20A, TÜV PED 2014/68/EU, NORSOK M-650, BV MODE II SCHEME.

Our castings are designed and produced in accordance with world-class standards. Our current annual output is 22,000 tons for investment casting and 28,000 tons for sand castings. The maximum single casting weight



is up to 15 tons. Valve casting range size is from 1/4" to 72", pressure range is from 150LB to 5000LB.

We produce castings in a variety of materials, from carbon steel, alloy steel, stainless steel, duplex stainless steel, Nickel Alloy, Nickel Base Alloy, Super Austenitic Stainless Steel, Chrome Molybdenum Vanadium Steel and Precipitation Hardening Steel. We supply castings to many well-known valve companies in USA, Canada,

UK, Germany, Italy, Portugal, Mexico, Japan, Korea and India.

Wanheng always takes "Quality first, Customer first" as a goal, and "continuous improvement & Customer satisfaction" as a guideline.



Company

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Website: www.wanheng.net.cn/en/



KACE Ball Valves

KACE Ball Valves was established in 1995 with the focus to become one of the most reliable, flexible and quality-minded ball valve manufacturers in the world. With years of ball valve experience on which to build, we eagerly moved forward to realize our dream. Our first introduction into the market was our flanged floating ball valve line, sizes 1/2" thru 8", ANSI classes 150-1500. After a successful launch of this program, we moved forward in 1997 with our NPT/SW line of ball valves in sizes up to 3" and pressures to 6000 psi. Next, in 1999, came our three-way ball valves in sizes thru 8" and ANSI classes thru 600lb. This was immediately followed by our full line of trunnion valves thru 48" and ANSI classes thru 2500lb.

By 2000, we had a complete line of soft seated floating and trunnion ball valves to offer our customers. Not yet satisfied with what we had accomplished, we pushed to offer our customers even more. We developed and launched our severe service metal seated and cryogenic valves. The advantages of being an entrepreneurial based manufacturer are that we can move swiftly to give our customers what they require. This can be seen by the fact that time after time we have met the need for special metallurgies, quick deliveries and special designs.

Examples:

- Project for metal seated trunnion valves, sizes 30" & 36", ANSI class 300, completely Tungsten Carbide lined internally, bubble tight shutoff - all delivered in 16 weeks.



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 Sugar Land, TX 77478
 United States of America
Phone: +1 281-240-0955
Email: sales@kacevalves.com
Website: www.kacevalves.com



- Metal Seated trunnion valves, size 24", ANSI class 600 with Inconel cladding, bubble tight shutoff, delivered in 10 weeks.
- Delivered a large project for world renown company with top engineering firm for a new refinery on time, and KACE was told we were significantly less expensive.
- Project for cryogenic valves in sizes 1/2" thru 24", ANSI classes 150-1500 totalling more than \$2M. All delivered in less than 20 weeks.
- 3-way Metal Seated, Y pattern, Metal seated valves, size 10", ANSI class 300 -bubble tight shutoff, delivered in 10 weeks.

Whether you have a need for standard or specialty ball valves, KACE is here ready to assist.



KCON VALVE MFG. CO., LTD.

KCON Valve focuses on pipeline and process valve design and manufacturing. Based on its well-educated and experienced team and green workshop facilities, KCON offers high performance valves and professional engineering solutions to its clients in the Oil & Gas, Offshore & Onshore, Refineries, LNG, Pipelines & Tankages, Petrochemicals & Chemicals, Power Plants worldwide etc.

KCON is committed to continuous R&D investment to fit customer's demand. Special designed larger size ball Valves were successfully launched from DN1000(40") Class 600LB Phase I to DN1200(48")-600LB Phase II for CASIC - A Giant Of China Aerospace; Up to 36"-600LB Pressure Balance Plug Valves have been now performing well in Pipeline, Gas Filtering, Heating, Reducing, Metering Station Projects. KCON plug valve has been awarded the PRIZE OF CHINA MACHINERY INDUSTRY SCIENCE AND TECHNOLOGY AWARD which's TOP-NOTCH award in the field of China machinery.

KCON supplies

- Pressure Balance, Lubricated Plug Valves
- DBB Plug Valves
- 4-way Plug Valves
- Side Entry Ball Valves
- Top Entry Ball Valves
- Fully Welded Ball Valves
- Metal Seated Engineering Ball Valves
- 3-way (Piggable) / 4-way Ball Valves
- Cryogenic Ball Valves
- Jacketed Ball Valves
- Through Conduit Gate Valves
- Swing Check Valves

KCON certificates

- API Q1 9th ED by API
- API 6D 24th ED by API
- API 607 6th ED by TUV
- API 6FA 3rd ED by TUV
- CE/PED by DNV
- ATEX by DNV
- ISO9001:2015 by DNV
- ISO14001:2015 by DNV
- OHSAS18001: 2007 by DNV
- TS by AQSIQ



KCON objectives

Making every effort to satisfy or exceed customer needs by:

- Engineering Service
- Competitive Price
- Reliable Quality
- Quick Delivery

KCON values

INNOVATIVE, PERSPECTIVE, AUTHENTIC, EXECUTIVE.
KCON Valve, your partner for Oil & Gas Projects.

KCON[®]

Company

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Fax: +86-838-6839880

Email: overseas@kconvalve.com

Website: www.kconvalve.com

Kingdom Flow Control Co., Ltd.

Having served the industry for over 40 years, Kingdom Flow Control ("KI") is a reputed manufacturer and exporter of Investment Casting Industrial Valves. KI's headquarters is located in Taiwan with its two factories of 100% Taiwanese capital operating in mainland China. Our factories are fully vertically integrated: All product design, casting, machining, assembly and testing are executed 100% in house to provide consistent high quality.

KI Research and Development combines the most talented designers with the most advanced design technologies to produce the finest products available. The result is an optimized, high-speed product research cycle, giving KI products an industry leading advantage right from the development phase.

KI has built its business into a world-class enterprise by building its brand through consistent quality, capacity and customer service. Our corporate philosophy is built around research, development, innovation, service, teamwork, sharing and achievement and will continue to lead KI products into the future.



Product range includes:

- Soft Seated Ball Valves of Flanged Ends and Threaded/BW/SW Ends.
- Metal Seated Ball Valves
- Trunnion Mounted Ball Valves
- Lined Ball Valves
- Cryogenic Ball Valves
- Flanged Gate/Globe/Check Valves
- Control Valves
- Pneumatic/Electric Actuators
- Triple Offset Metal Seated Butterfly Valves

Pressure Range:

- ANSI Class 150~1500
- DIN PN10~40
- JIS 10K, 20K
- 1000 ~ 2000 psi

Product Certifications:

- SIL 3
- ISO 15848-1
- TA-Luft
- API 607
- ATEX
- CRN
- EAC

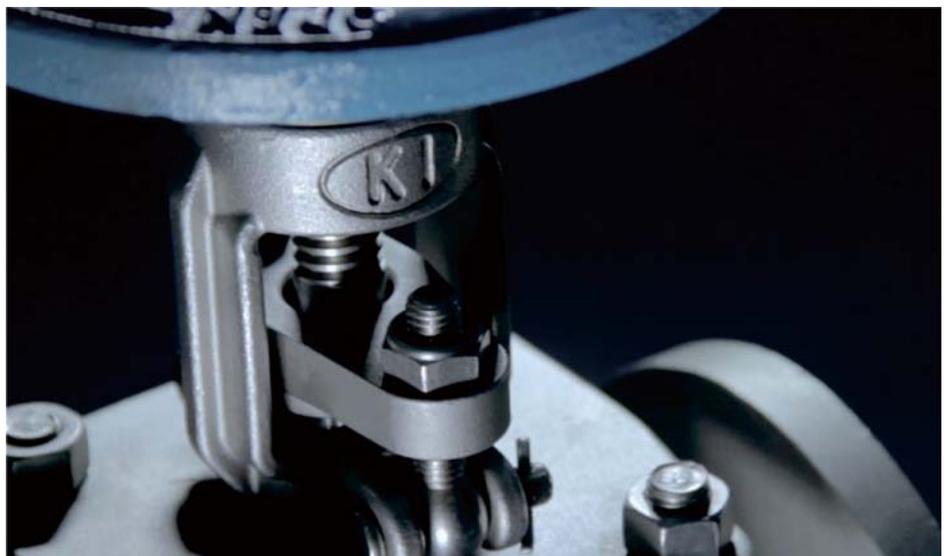
Available Material:

- Stainless Steel
- Carbon Steel
- Nickel Alloy
- Duplex and Super Duplex



Company

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Website: www.kifc.com



KITZ Group

KITZ – A Reliable Brand

The KITZ Group offers a line-up of over 90,000 types of products trusted by customers in and out of Japan for their top quality. The KITZ Group boasts an expansive brand portfolio. KITZ has newly added one company in its portfolio, named Cephas Pipeline Corporation, in South Korea in 2018.

KITZ CORPORATION

Since its foundation in 1951, KITZ has combined first-class product quality with a fully integrated production system. As an all-round player, KITZ provides countless product items worldwide, with particular strength in building utility markets and hydrocarbon processing industries.

KITZ CORPORATION OF EUROPE, S.A.

KITZ Corporation of Europe works on a variety of carbon and stainless steel ball valves. KITZ Corporation of Europe became a part of the Group in 1991.

Perrin GmbH

Perrin is specialized in metal-seated ball valves used in severe applications of petrochemical processing and chemical plants where corrosion and abrasion resistance is a critical requirement for valves. Perrin joined the Group in 2009.

TOYO Valve Co., Ltd.

Toyo Valve was the first company in Japan to manufacture valves. It joined the Group



in 2004. The products are highly reputed in building utilities and fire prevention markets.

Miyoshi Valve Co., Ltd.

Miyoshi Valve focuses on building utilities markets centering on water supply systems. Valves for turbo refrigeration units and regenerative air conditioning units are its unique products. Miyoshi Valve joined the Group in 1999.

Shimizu Alloy Mfg. Co., Ltd (SGS)

SGS's products range from valves for water supply systems to those for water purification systems. SGS became a part of the Group in 1995.

KITZ SCT Corporation

KITZ SCT manufactures valves and fitting for semiconductor manufacturers and other factories where high-purity fluid is handled. KITZ SCT joined the Group in 2001.

YKV Corporation

YKV was incorporated in 1988 as a joint venture of KITZ Corp., Yokogawa Electric Corp., and U.S.-based Valtek Inc. YKV produces control valves for various applications.

Micro Pneumatics Private Limited

Micro Pneumatics is a valve manufacturer with development, production and sales base of industrial and ball valves in India and has strength in engineering to produce high quality products and sales to main markets in India. Micro Pneumatics joined the Group in 2013.

Metalúrgica Golden Art's Ltda. (MGA)

Metalúrgica Golden Art's is a ball valve manufacturer in Brazil. The company is similar to KITZ regarding integrated manufacturing from castings to machining, assembling, testing and finishing and has an extensive sales network throughout Brazil. MGA became a part of the Group in 2015.

Cepahs Pipeline Corporation

Cepahs Pipeline Corp. is an industrial butterfly valve manufacturer in South Korea. It has an abundant product range and high production capability for handling large diameter butterfly valves.



KITZ

Company

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Website: www.kitz.com/
www.kitz.co.jp/english/

KOFLOW Valve Group Co. Ltd.

OUR VALVES, OUR PRIDE

KOFLOW valve group is a large scaled valve enterprise with integrated R&D, manufacturing and marketing with more than 350 employees, of which 100 are professional technicians and engineers. We have four main manufacturing bases which professionally produce different types of valves in separate workshops, and one foundry for castings.

Our main products include API 6D BALL valves (trunnion mounted, floating and fully welded type), API 6D SLAB gate valves, EXPANDING gate valves, API 600 GATE, GLOBE and CHECK valves, API 602 forged GATE, GLOBE and CHECK valves, Butterfly valves, PLUG valves and RISING STEM ball valves in different materials according to the fluid condition requirements. Even some special materials like Duplex stainless steel, Monel, Inconel, Hastelloy, Bronze, Titanium etc., with nominal size from 1/2" to 140", and pressure rating from 150LBS to 4500LBS.

KOFLOW valve group operates according to ISO 9001 and API Q 1 quality systems and hold certificates of API 6D, API 600, CE, ISO 9001, ISO 14001 and ISO 18001, and is also approved by different customers worldwide like PDO, PETRONAS, SAIPEM, TAKREER, ECOPETROL, REPSOL, etc.

For years, KOFLOW has enriched the experiences in valve manufacturing, joined the modern management concepts, computer network technologies and CAD/CAM system together and therefore realized the resource integration & optimization of materials, resources and information.

We welcome customers to visit our company, and look forward to any future cooperation.



Company

Name: KOFLOW Valve Group Co. Ltd.

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China

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Fax: 0086 577 6798 2779

Email: tracy@chinakoflow.com

Website: www.chinakoflow.com

Kong Jih Valve Ind. Co., Ltd

“Kong Jih Valve Ind. Co., Ltd. (KJV), since 1974, has always been operating in accordance with its core values – integrity and innovation,” says a company spokesman. “The brand kjv, moreover, stands for high quality that you can trust. To be one of the most professional manufacturers in the valve industry, we are capable of developing and producing a variety of valves, which completely meet every customer’s requirements. Our golden rule in manufacturing valves is: ‘Keeping Safe with Safe Valves.’ Today, kjv products are used all over the world and serve in a variety of applications, including pipelines, water works, commercial buildings, marine, chemical, petrochemical, and desalination, industries, etc. With forty years of experience, we believe that we are able to provide reliable valves for your applications.”



Keeping Ahead

The company is specialized in designing, developing, and producing ODM/OEM parts – valves as well as accessories. Further, being one of the most integrated professional manufacturers, we offer a total solution to customers from design right through to finished products. Our prime concern has always been serving worldwide.

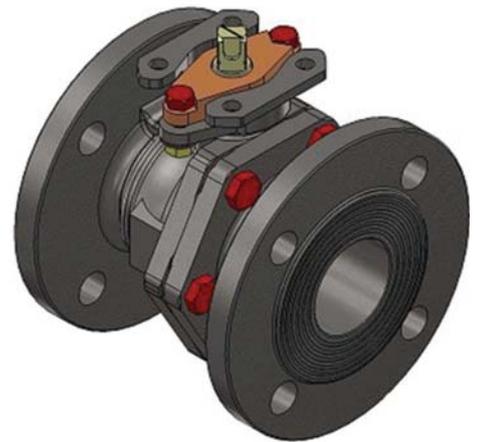
Product Range:

- Various types of ball valves with end connections: flanged, threaded, socket welded and butt welded.
- Needle valves at 6000 and 10000 psi.
- Double Eccentric Butterfly Valves

- Valve Accessories
- Investment Casting/Precision Machined Parts

Manufacturing Standards:

- ASME/ANSI
- ASTM
- MSS
- API
- Nace
- NSF
- UL
- BS, BS EN
- DIN
- CSA
- ISO



Company

Name: Kong Jih Valve Ind. Co., Ltd
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Phone: +886-4-26813379
Fax: +886-4-26821368
Email: marketing@ksvalve.com
Website: www.ksvalve.com

Korea Motoyama Inc.

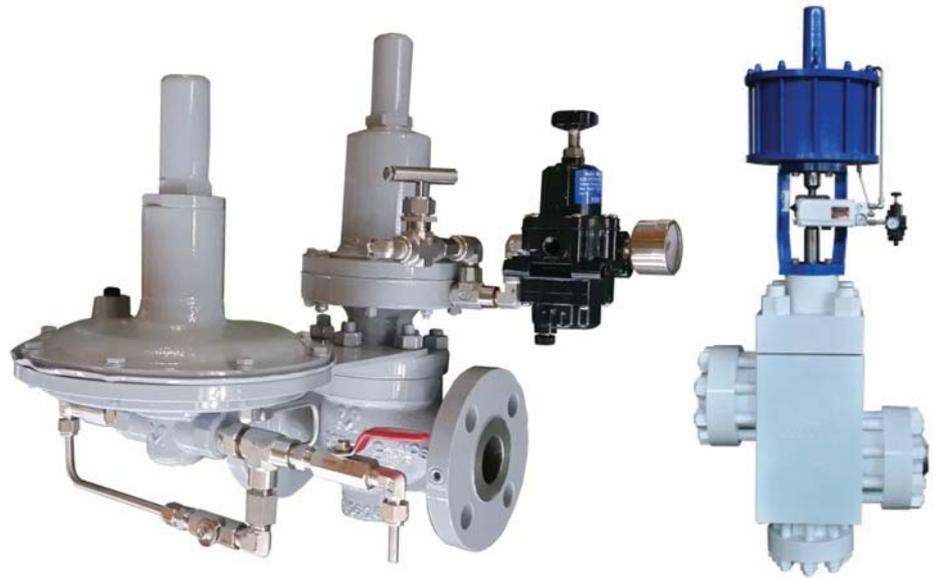
Fast Delivery, Safe & Reliable Operation, Perfect Performance, Professional Technical Support, Easy Maintenance, Interchangeable Parts, Long Life Korea Motoyama Inc. was founded in 1988 through the technology and capital investment by Japan Motoyama Inc., which has almost 90 years of history.

As one of the leading players in this industry, Japan Motoyama Inc. has provided more than one million valves all over the world. Based on its advanced technologies and experiences, Korea Motoyama Inc. has provided the 'KOMOTO®' brand valves to numerous global companies.

KOMOTO® brand valves have been widely used in wide range of industries including oil & gas, refineries, power plants, petrochemical plants, and steel mills to accurately control cryogenic fluids, superheated steam and corrosive fluids under severe service conditions.

The special requests from customers for Pressure Regulators with extreme low pressure control and high pressure control with higher accuracy and minimum droop achieving, has encouraged the creation of the completes the range of KOMOTO® Pressure Regulator line up.

With long experiences of Japan Motoyama Inc., Korea Motoyama Inc., with 30 years of



experiences continues to invest in research and development, testing facilities, and quality control systems. Today, we are ready to provide our customers with the best solutions to control special fluids under any severe conditions.

Product Range

Globe Valves – Severe Service, ½” – 36”, 150# - 2500#

Butterfly Valves – Triple Eccentric, 2” – 64”, 150# - 900#

V-notch Ball Valves – Top Entry, 1” – 18”, 150# - 600#

Ball Valves – Top Entry, Side Entry, ½” – 36”, 150# - 1500#

Pressure Regulators – Pilot & Direct type, 1” – 16”, 150# - 1500#

Desuperheaters – Venturi, Fixed/Variable nozzle, Steam Conditioning type



Company

Name: Korea Motoyama Inc.

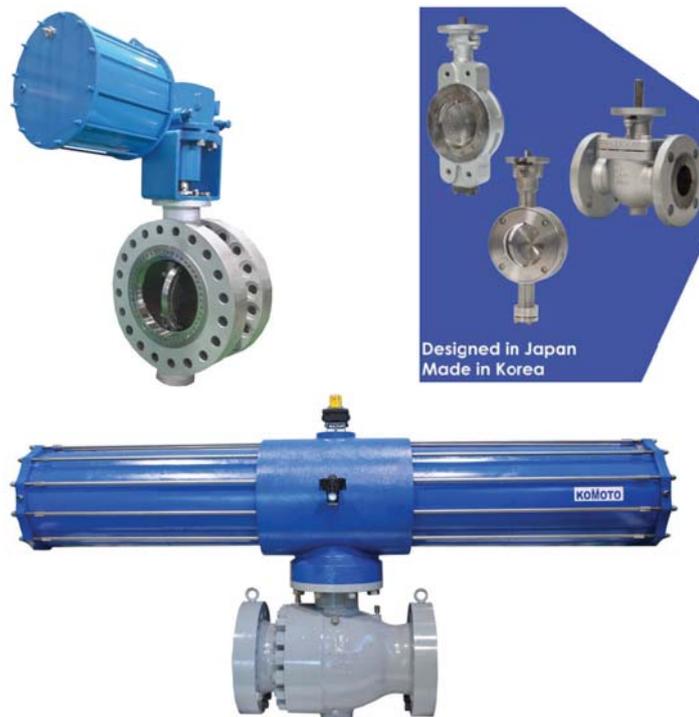
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L&T Valves

L&T Valves is a wholly-owned subsidiary of Larsen & Toubro, a leading engineering, construction, manufacturing and services conglomerate. The company offers innovative solutions and services that enhance safety, reliability and efficiency in flow-control systems. L&T Valves Vision is to be the most trusted valve company in the world.

Product Range:

- Gate, Globe & Check Valves
- Trunnion-mounted Ball Valves
- Process Ball Valves
- Triple-offset Butterfly Valves
- Flanged & Wafer-type Butterfly Valves
- DBB Plug Valves and Sleeved Plug Valves
- Choke Valves
- Control Valves
- SIL3-capable Automation Solutions including HIPPS
- Smart Valves with Diagnostic and Communication modules

L&T Valves leverages the power of digital and augmented reality technologies to offer digital traceability and remote inspection solutions that enhance customer plant reliability and operational efficiencies.

The state-of-the-art manufacturing facilities of L&T Valves are located at Tamil Nadu, India. The Quality Management System is certified to comply with ISO 9001 and API Spec Q1. The Environment Management System and Occupational Health and Safety Management System meet the requirements of ISO 14001 and OHSAS 18001, respectively.

L&T Valves is licensed to offer products monogrammed API 600, API 6D and API 609 as well as valves with CE Marking and ATEX certification. The Company also offers SIL3-capable valve automation solutions including HIPPS (High Integrity Pressure Protection System).

The company has a network that spans the globe, reinforced by strategic alliances with key international distributors.

L&T Valves Aftermarket provides support and training to increase safety and productivity, and also lower the total cost of ownership. The services cover the entire lifecycle of the valve: installation and commissioning, operation and maintenance, emergency response as well as performance upgrades.



Smart Valve with Integrated Diagnostic and Communication Modules



Top-entry Ball Valve, Emergency Shutdown Valve


L&T Valves

Company	
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Langley Alloys Limited

Langley Alloys Limited is a British company with a worldwide reputation - supplying unique metals for your demanding applications.

Operating from locations in the United Kingdom, United States and Singapore, we



Our customers benefit from the technical support of a team of experienced metallurgists, and a business that is well-versed in finding solutions to supply challenges. All alloys are of European origin and comply with the highest international standards e.g. ASTM, NACE and NORSOK, ensuring the quality and repeatability required for your application. Langley Alloys operates a quality management system based on ISO 9001 throughout our business units worldwide.

carry extensive stocks of advanced stainless steels, nickel and copper alloys in bar, plate and tube form. Typically bar is available in a range of sizes from ½" up to 16" diameter and plate from 1/16" to 3" thick. We also supply sheet, pipe, fittings, flanges, forgings and machined parts as required.

We possess in-house testing, machining, milling and deep hole boring facilities to reduce your overall lead times and costs.

With 80 years of experience, we provide products that deliver functional performance in the harshest of conditions, whether it's for subsea systems at great depths or the aggressive environments found within oil and gas, power generation, pulp/paper, chemical process industry or general engineering applications.

Langley Alloys was the first company to develop a super duplex stainless steel. The latest variant, marketed as Ferralium® 255-SD50, is manufactured to exacting standards and is well-known for its enhanced strength and corrosion resistance when compared with other super duplex grades. Its chemical composition also renders it less susceptible to the formation of deleterious phases which helps maintain impact properties at sub-zero temperatures. Our portfolio also includes several other trademarked alloys - the Hiduron® range of high-strength cupronickels, and Hidurel® which is a high-conductivity cupronickel.

Our network of sites all hold stock and have on-site cutting facilities, geared to respond quickly, so that Langley Alloys can meet your requirements wherever you're located.



Langley Alloys

80 YEARS OF UNIQUE METALS

1 9 3 8 - 2 0 1 8

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LATTY Groupe

About LATTY Groupe

Since its creation in 1920, LATTY International has been providing to its customers its know-how in the design and development of processes for the production of sealing solutions.

LATTY Groupe products are essential to provide sealing efficiency in complex industrial processes where very strict safety rules are required. The added value (quality of raw materials, long operational life) allows our customers to significantly reduce their release of gases into the atmosphere, preserve safety and environment, reduce maintenance costs and lengthen the life of their production systems.

Our products are used in all of the following industries: energy production, nuclear, chemical and petrochemical, pharmaceutical, cosmetics, food processing, pulp and paper, water supply, mines, etc. but many solutions are also provided to OEMs to adapt pumps or industrial valves and fittings.

Environmental protection today means increasingly strict international regulations on release of greenhouse gases into the atmosphere. These regulations focus on the sealing criterion and on several operational aspects such as maneuverability, fire resistance, chemical compatibility, absence of corrosion, etc.

To meet all these requirements, we invest over 5% of our yearly turnover in Research and Development and have implemented our own laboratory in France with test and simulation platforms where prototypes are developed, tested and manufactured.



Our Products

Packings

They are manufactured from yarns consisting of different kinds of fibres (aramid, graphite, carbon, polytetrafluoroethylene, cotton, etc.) which are in some cases treated with the exclusive Filcoat process developed by LATTY in order to achieve impregnation throughout. Carefully selecting fibres and impregnations allow us to guarantee quality, operating life and minimum friction.

Mechanical seals

Manufactured from stainless steel parts, mechanical seals provide optimum sealing efficiency with their carbide / carbide or carbide / tungsten friction faces. With our know-how, we can offer our customers solutions to meet their specific requirements.

Static seals, cut gaskets

Made of selected materials (carbon, mineral, synthetic, graphite, aramid, PTFE), they are used in each situation where risk-free fitting and tightening in steam circuits are required: very low or high temperatures, high pressures, very high chemical resistance in highly aggressive environments, and also with damaged flanges, for applications subject to continuous thermal cycles or with assemblies subject to significant vibrations.

Distribution

In France, we work with a first-class distribution network, gasket cutters and multi-service skill centres specialising in mechanical seals.

We have also developed a worldwide network with subsidiaries in Argentina, Belgium, Germany, Morocco, Spain and UK, and distributors or partners on the 5 continents.

We undertake regular training sessions for our customers and distributors.

Certificates / Approvals

FDA - WRAS - CE 1935/2004 -
ISO 15848 - BAM - ATEX - TOTAL - PMUC -
EHEDG - AECL - API - TÜV/VDI





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Lixin Valve Group Co., Ltd.

Company Brief Introduction:

Lixin Valve Group Co., Ltd. is a modern enterprise specialized in research and development, production, distribution and service of valves since 2000, with 128 million CNY registered capital and 9 branch companies (include manufacturing base Yunhe foundry). We own up to 50000 m² total building area and have 450 employees, including 50 senior and intermediate engineers. We have high precise numerical control processing center, with more than 360 sets of all kinds of large & medium equipment and over 12000 tons annual output.



Products Certificate:

ISO 9001, ISO14001, API 6D, European Union CE certificate, TS certificate, API 607 fire safe certificate and so on.

Valve scope:

Knife Gate valves, Plug valves, Gate valves, globe valves, check valves, ball valves, butterfly valves, strainers, slurry valves, discharge valves, control valves and so on.

Products are widely used in such industries as petroleum, petrochemical industry, electric power, mining, metallurgy, papermaking, pharmacy, aluminum oxide and sewage treatment etc. Furthermore, our products are sold far afield, to Southeast Asia, Oceania, Middle East, Europe, North/South America and Africa with client's praise, and we have long term stable cooperators and agents all over the world.

We have always adhered to the business philosophy 'People-oriented, Sincere Service, High Quality Enterprises, Scientific and Technological Innovation'. We regard market demands as guidance, to expand the global valve market, to create the Lixin Valve brand and promote national industry development.

We warmly welcome friends from all over the world to work together to create brilliance!



Company

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Mechanical Advantage Corporation

Mechanical Advantage Corporation (MAC) was founded in 2017 and is located in Houston, Texas. The company is a manufacturer's rep and distributor throughout the USA and Canada for several companies.

Inventory in Houston

MAC houses one of the largest North American inventory of Sambo Gears in Houston. Stored in a state-of-the-art logistics warehouse, the inventory can ship anywhere in the USA and Canada within 24 hours.

Product Line Up

MAC represents the following companies:

SAMBO – Manual and Motorizable Gear Actuators (South Korea)

Sambo was founded in 1981 and manufactures high-quality gears at competitive prices. Their spiral cut bevel gear improves teeth engagement and overall efficiency to 95%. All gears come standard with an IP-67 rating. Sambo recently increased their production capacity by 30% to accommodate our demands.

- Bevel Gears
- Worm Gears
- Spur Gears
- Torque Limiters
- Subsea Gears – NEW!
- Temperature Compensation gears – NEW!
- Planetary Gears
- Chain Wheel Options

HKC – Pneumatic Actuators (South Korea)

HKC was founded in 1980 focusing on manufacturing limit switches. They have grown to manufacturing rack and pinion and scotch yoke pneumatic actuators along with quarter-turn and multi-turn electric actuators.

- Scotch Yoke Design Pneumatic Actuators



- Rack & Pinion Design Pneumatic Actuators
- Heavy Duty Pneumatic Actuators
- Valve Position Monitors
- Declutchable Gear Overrides

Evolution Valves – Cryogenic Valves (UK)

Perfect for aerospace and LNG projects, these cryogenic valves can withstand extreme temperatures as low as -196°C and up to +1200°C.

- Double Offset and Triple Offset metal seated Butterfly Valves
- Butterfly Valves
- Ball Valves



an international ISO9001 and API Q1 approval, including API 6D.

- Trunnion Ball Valve
- Metal to Metal Ball Valve
- Cryogenic Ball Valve
- Check Valve
- Knife Gate Valve

Pro-Gear – Gear Actuators (Germany)

Pro-Gear was founded in 2001 and offers a wide variety of worm gears and bevel gears, many of them suitable for chemical, HVAC, and waterworks industries.

- Worm Gears
- Bevel Gears

Samsung Precision Co. – Valves (South Korea)

Samsung Precision manufactures various types of ball valves and specialty valves. They have

Industries Served

- Oil & Gas
- LNG
- Water & Wastewater
- Power Gen
- Chemical
- HVAC



MECHANICAL
ADVANTAGE CORPORATION™

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Metso Flow Control Inc.

Metso is a world-leading industrial company offering equipment and services for the sustainable processing and flow of natural resources in the mining, aggregates, recycling and process industries. With our unique knowledge and innovative solutions, we help our customers improve their operational efficiency, reduce risks and increase profitability. Metso employs over 13,000 people in more than 50 countries and is widely recognized for its product quality and advanced technologies in flow control.

Metso Flow Control is a product and service organization focusing on valves and related services for process industries. We are a leading global flow control provider for a diversified mix of process industries and our customer industries consists of petrochemical and chemical, oil & gas, pulp & paper, industrial gas as well as power and other process industries.

We are a leading supplier of intelligent valve controllers and have the industry's widest offering of control valves, automated on-off and emergency shutdown valves and other valve related instrumentation. Our leading valve product brands are Neles® and Jamesbury®. We have the capability to carry out global project sales and project execution and we can provide the full life time support to our products with associated services and plant asset management solutions, like intelligent maintenance and turnaround services.

A large share of our business comes from services, our service solutions help our



customers to improve their productivity and production efficiency. Our operations footprint is geographically well-spread and we have a service presence with over 40 valve service centers around the world.

Our experts have a solid flow control expertise even of the most challenging applications as we have e.g. delivered engineered performance and reliability to the oil & gas industry for more than 90 years. A lean way of operating driven by customer needs is how Metso has become, and will continue to be, a preferred valve solutions partner for all major process industries worldwide. The company is constantly developing solutions to improve safety, minimize downtime and ensure trouble-free operation of customers' processes.



Over the decades, Metso has introduced several valve innovations to the market such as the noise attenuation trim, metal seat technology and intelligent valve control diagnostics. With continuous development over the past 10 - 15 years, our smart products for safety and automated on/off applications have further enforced Metso's strong market position.



Company

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MICROFINISH VALVES, INC.

For over 48 years, privately held, India based Microfinish Valves has been manufacturing industrial ball valves. As a traditional manufacturer, we control the design, manufacturing and quality of our products in our state of the art, 150,000 square foot factory and NDT Center. Our 35 engineers control our designs and provide manufacturing support to insure we provide the highest quality product possible. Design and manufacturing control permits us to offer a standard 3 year warranty. We opened US Operations in 2010 to extend our reach to the region of the Americas. We have established ourselves as a leading supplier of Stainless Steel and high alloy valves to key markets such as Salt Water Disposal, CO₂ Enhanced Oil Recovery, low temperature LPG and NGL's and the full Cryogenic Valve market.

Product Portfolio

With \$15M+ inventory in our Houston Sales & Distribution center, we pride ourselves on fast response and short lead times. We offer a full range of ASME B16.34 Floating and API 6D Trunnion Mounted Ball Valves in sizes from 1/2" thru 48" and pressure classes from 150# to 2500#. In the Americas, we have established our brand focusing on harder to find valves which include API 6D TMBV's in Stainless Steel, Super Duplex, Metal Seated, Low-Temperature and Higher Alloy materials. All our valves are SIL-3 rated and pass the ISO 15848 Emission testing with our standard design. We X-Ray or Ultrasonically examine every casting or forging in 600# and higher, pressure classes to insure we are starting with high quality material before any machining is started.



API 6D Stainless Swing Check Valves

2" thru 12" sizes for 150#, 300# and 600# pressure classes and thru 8" for 900# and 1500#. These full port valves are designed to API 6D standard, meet ASME B16.5, B16.10 and NACE MR 0175 specifications and tested to API 598 requirements. The standard materials of construction are CF8M body, disc and cover with integral stellite seat design. Other materials, including the Duplex and Super Duplex alloys available with factory lead time.

Low Emission Stem Seal Design Passes ISO 15848 Testing

Our standard stem seal design; a fully packed stuffing box with live loaded cup and cone stem packing, passes stringent ISO 15848 and API 641 testing standards. And, this design is externally adjustable while the valves are in service!



Cryogenic Valves

Microfinish has a long history of supplying Cryogenic valves. With in-house testing capability to -321°F per BS6364. These tests have been witnessed and approved by Lloyds, TÜV and Engineers India Ltd (EIL). Microfinish cryogenic ball valves perform consistently, providing reliability under harshest environments of temperatures ranging from -58°F to -452°F. Their specially designed bonnet extension results in optimum heat transfer and minimum energy loss. Our Houston Cryogenic valve inventory program which began in 2018, enables us to provide reduced lead times.

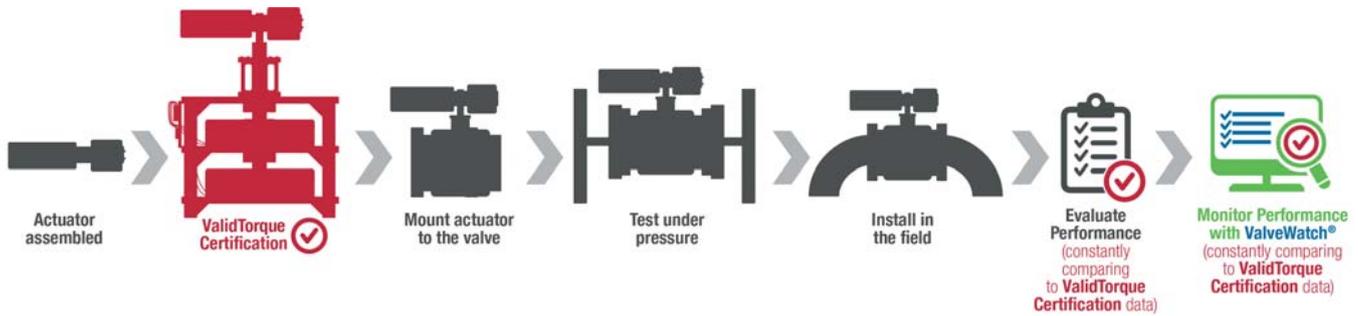


MICROFINISH VALVES 

Company

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MRC Global Inc.



MRC Global: Trusted Valve Experts

MRC Global is the largest valve supplier in the world. The well-respected industry leader has established a global network of valve and engineering centers manned by trained and experienced professionals to serve customers wherever they operate.

“We go where our customers need us and our global footprint fully demonstrates that,” Andrew Lane, MRC Global’s President & CEO, said.

The company’s inventory of valves and valve automation products includes sizes from ¼” to 42” and pressure classes from 150# to 3,000-6,000# in carbon steel, stainless steel, chrome, bronze, ductile iron, cast iron and exotic materials like duplex, monel, hastalloy, etc. When you add a practically limitless offering through their world-class suppliers, the company’s strength in valves and valve automation becomes evident.

After recognizing that many customers were seeking ways to improve business performance

through digitalization, MRC Global leveraged its highly successful ValveWatch® performance monitoring technology to develop an industry-leading proof testing process for automated valves. The resulting ValidTorque™ certification process provides end-users the data and tools required to successfully implement digitalization initiatives for valves bound for safety-related and production critical applications.

MRC Global’s ValidTorque certification process:

- verifies the entire automated valve assembly before delivery,
- quantifies the as-built safety factor,
- provides a technical basis and acceptance criteria for in-service testing and
- makes the complete automated valve ready for digitalization.

The result is:

- lower overall cost associated with valve maintenance and testing,
- higher proof test coverage,

- lower probability of failure on demand and
- higher confidence in safety system performance associated with automated valves.

When combined with real-time, digital valve monitoring like MRC Global’s ValveWatch, ValidTorque certification can transform the way end-users maintain their facilities.

Instead of relying on a scheduled-based model, facilities can evaluate degradation rates and focus resources when and where they are needed based on meaningful data.

“It’s all about improving safety, efficiency and achieving digitalization objectives through accurate data,” John Bowhay, MRC Global’s Senior VP – Supply Chain Management, Valves & Technical Product Sales, said of ValidTorque and ValveWatch. “That’s the bottom line.”

Find out more about ValidTorque certification or ValveWatch at www.mrcglobal.com.



MRC Global’s quality team during one of the 60-80 on-site inspections they perform per year. Product testing, supplier registration and multiple on-site manufacturer inspections are some requirements a supplier must meet in order to be included on MRC Global’s Approved Manufacturers List. By taking the time to fully understand manufacturers’ production processes from beginning to end, MRC Global is able to supply valve solutions that are both the “best value” and consistency needed in order to meet customers’ specifications and delivery deadlines.

MRC Global’s responsibility for ValidTorque Certification accuracy and results and limitations of liability will be set forth in a written document between MRC Global and its end users of the ValidTorque certification.

MRC Global

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Neway Valve (Suzhou) Co., Ltd.

Complete Solutions for Industrial Valves

As a global leader of valve manufacturing, Neway (SSE:603699) is dedicated to the production, research, and development of industrial valves. Neway is committed to providing complete valve solutions to all industries through advanced engineering and innovation.

Neway's product line includes Ball, Gate, Globe, Check, Butterfly, Nuclear, Control, Subsea, Safety valves. Our high quality standards and innovative ability are recognized by many global end users and EPCs. Neway valves are utilized in a wide variety of industries and working conditions such as Gas, Oil, Refining, Chemical, Coal Chemical, Offshore, FPSO, Air Separation, LNG, Nuclear Power, Power Generation, and Pipeline Transmission applications, etc.

Facilities & Service

Neway has developed a sophisticated multi-plant management system operating one comprehensive valve assembly plant, one API 6A valve plant, one safety plant, three foundries, and two R&D centers. Our newest assembly plant was expanded in 2013, and it now covers 35,000 square meters.



Over 50,000 sqm solar panel on plant roof



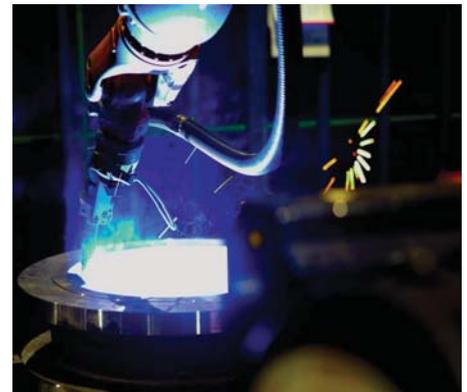
Automatic painting machine

Advanced software (ANSYS, FE-Safe, CF-Design, Siemens PLM and NX) is applied here at Neway for the Research & Development of products. We use SAP to control the traceability and status of all products during the manufacturing process. In order to ensure the safety, eco-friendliness, and reliability of our products, we use the most advanced fire-safe, cryogenic, high pressure, and fugitive emission test equipment.

As part of Neway's global strategy, to provide better service to our customers, we have established our overseas subsidiaries in North America, Netherlands Italy, Singapore, and Dubai along with over 80 agents and distributors worldwide.

High Quality, High Value

Neway is dedicated to the pursuit of "Zero Defect". We maintain a quality



Automatic welding machine

management system that encompasses our entire operation from order entry, to final inspection. Through Neway's continuous efforts, our products have achieved industrial certificates including ISO 9001, API 6A, API 6D, CE/PED, API 6DSS, ASME N & NPT, TA-Luft, ABS, CU-TR, and NORSOK approvals.



Part of Neway's products that have grown rapidly in sales in recent years



Company

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Nihon KOSO Co., Ltd.

REAL MANUFACTURING FOR 50 YEARS

Nihon KOSO Co., Ltd. designs and manufactures valves & controls for our customers throughout the world, since 1965.

Koso continues to reinvest its earnings into ever-stronger engineering and manufacturing capabilities, to better serve our customers. This is different from many of today's publicly traded corporate conglomerates, where the constant pressure of "maximum return to shareholders" has forced these valve businesses to cut people, sell-off their factories, out-source most manufacturing to third parties, and today have been reduced to assembly & test workshops for components they no longer produce themselves.

WE ENGINEER OUR OWN PRODUCTS

Koso employs more than 500 Engineers, for product design, development and sales applications sizing & selection. This deep investment in technical personnel is un-matched among the other flow control companies anywhere in the world.

WE POUR OUR OWN CASTINGS

Koso owns its own foundries in multiple countries, giving us much greater control over the material quality and finished cast product. Including our newest state of the art 28,000 square meter foundry.



WE CUT OUR OWN METAL

Koso owns its own factories across the world, where we perform all related steps in the manufacturing process ourselves, with our own machines and equipment. This critical work is not out-sourced to so-called "supply chain" third parties. Our own teams in engineering, production and quality work

closely together, to fully ensure our own product is of the highest standard.

WE MANUFACTURE WORLDWIDE

Koso's factories are located in multiple countries across Asia, Europe, Middle East and North America, to best serve our customers – locally and globally.

KOSO

Company

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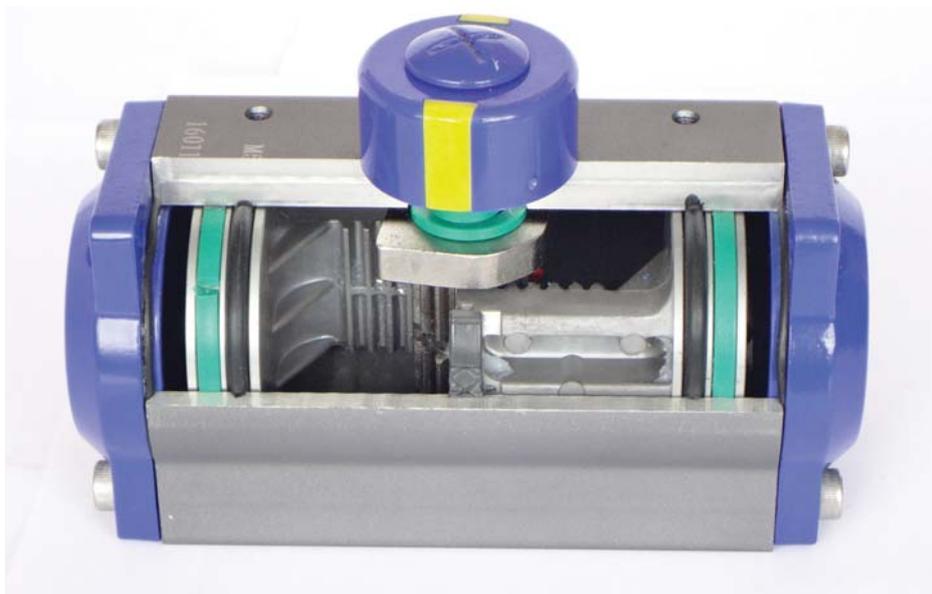


Nutork Corp.

NUTORK CORP. manufactures a wide range of pneumatic actuators, electric actuators and the accessories for pneumatic actuators (limit switchbox, solenoid valve, manual override —etc.) for quarter turn valves, offering reliable performance in the industries of Oil & Gas, Refining, Petrochemical, Chemical Processing, Food & Beverage, Pharmaceuticals, Pulp & Paper, HVAC, Power Plant, Waster-Water Treatment, —etc. We have pretty seasoned experts and a team who are full of passion. They always put innovative ideas into practice. What’s more, there are many of our agents around the world.

In order to satisfy a variety of requirements, we have applied for certificate authorities. All pneumatic actuators are certified by CE-ATEX, DNV, SIL3 and all electric actuators are certified by CE, SGS, SIL3. Not only do we provide so many complete certificates, but we offer the most competitive prices with best quality and excellent after-service. We are ready to solve any question regarding the products if customers need any technical help. So far we have been receiving many positive comments and good feedbacks.

Our mission is to assist our customers in obtaining the best possible solutions to their requirements and needs, at the most advantageous prices, without compromising on delivery or quality. With this in mind, we believe in developing long term relationships, based on mutual trust and honesty.



NUTORK®

Company

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Website: www.nutork.com

OHL Gutermuth Industrial Valves

Tailor-made valves for special applications

OHL Gutermuth – “While others simply sell a product, we deliver solutions!” This is an important statement that illustrates the connection between technically excellent solutions, globally tested designs and very experienced employees. OHL was founded in Limburg almost 150 years ago. The company Gutermuth was founded in Frankfurt in 1923. The two have been working together as OHL Gutermuth since 1992 and are now manufacturing in Altenstadt, north-east of Frankfurt am Main.

We produce very successful, tailor-made valves for special applications under the promise “Made in Germany”. Our working methods and production are tested and certified in accordance with international standards: ISO 9001:2008, PED, API, BS, GOST, RTN, etc. OHL Gutermuth offer a huge array of valves in a range of nominal sizes up to DN 4000 and pressures up to 200 bar at temperatures from -196°C bis +1300°C. We manufacture shut-off valves and control valves with linear and rotary movement that can be implemented in the chemical industry, in the field of oil and gas, as well as in solar power plants, for LNG terminals and in the steel industry and in shipbuilding. In doing so, we supply both plant engineers and end users. For 45 years we have been the market leader in the field of jacketed reactor valves for natural gas desulphurisation installations, manufacturing widths from 2” - 80”. These are used in

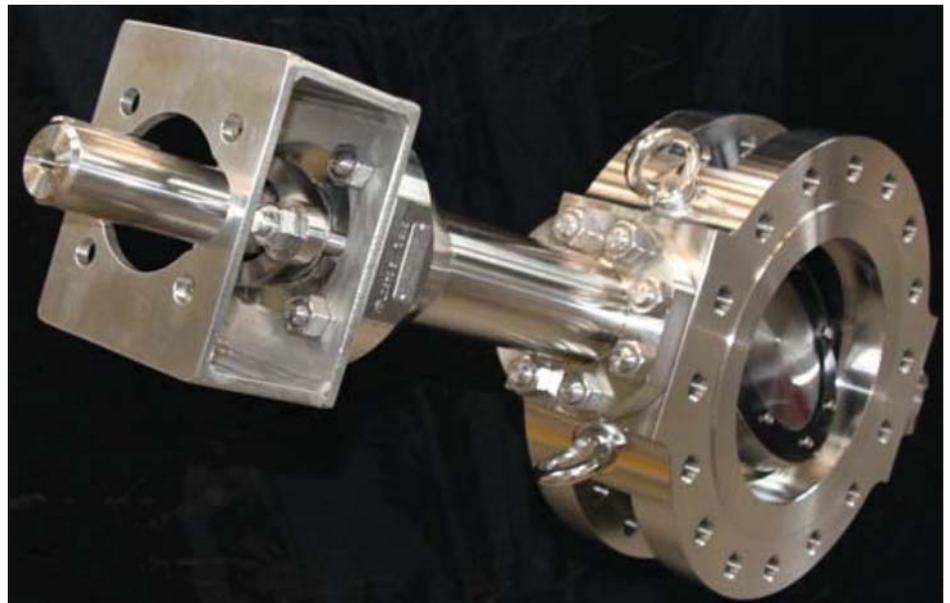
approximately 150 of the world’s largest gas installations in Europe, Russia, China, India, the Middle East, and in North and South America. A successful company needs space, and that is why we have been continuously expanding in recent years. We now have almost 100 employees working over an area of 20,000 m². A new production hall at a height of 13 metres and with 30 tonnes’ crane capacity has recently been made operational to monitor and test large valves. For many years we have been successfully active on the Chinese market and in 2013 we established a subsidiary with very successful engineers in Moscow. We work with the world’s biggest thermal solar power plants. German frigates are all fitted with



Wolfgang Röhrig, Managing Director of OHL Gutermuth Industrial Valves GmbH

our titanium valves and world’s largest private yachts sail under our exhaust valves.

OHL Gutermuth – Best Valves since 150 years!



One of the products from OHL Gutermuth Industrial Valves, offered to a renowned space agency.



OHL Gutermuth Industrial Valves GmbH

Company

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Website: www.ohl-gutermuth.de

Milestones

- 1867: OHL, the oldest of the two founding companies was founded in Limburg.
- 1923: The second founding company, Gutermuth, was founded in Frankfurt.
- 1992: The two companies combined their expertise and over 100 years of industry experience and merged to form the company OHL Gutermuth Industrial Valves GmbH in Altenstadt.
- 2000: Dipl-Ing Wolfgang Röhrig became the Managing Director of OHL Gutermuth Industrial Valves GmbH. Wolfgang Röhrig is now full managing partner of the company.
- 2012: As an officially licensed partner of Gazprom, OHL Gutermuth opened a site in Moscow.
- 2013: Construction of a new manufacturing hall with a crane capacity of 30 tonnes. The hall is used for assembling and testing large valves, including cryo and hot gas tests.
- 2014: Production capacity was increased thanks to the purchase of new machining and milling centres. A new testing facility for valves with welding ends was made operational, with a capacity of up to 48” 2500#.
- 2017: The company celebrated its 150th anniversary.

OMAL S.p.A.

OMAL AUTOMATION: ITALIAN EXCELLENCE IN AUTOMATION

Top-quality of high-performance valves & actuators

OMAL is an Italian manufacturer of both valves (Ball & Butterfly Valves) and actuators (Pneumatic & Electric) which makes OMAL specialized in top performance actuated package since its establishment in 1981.

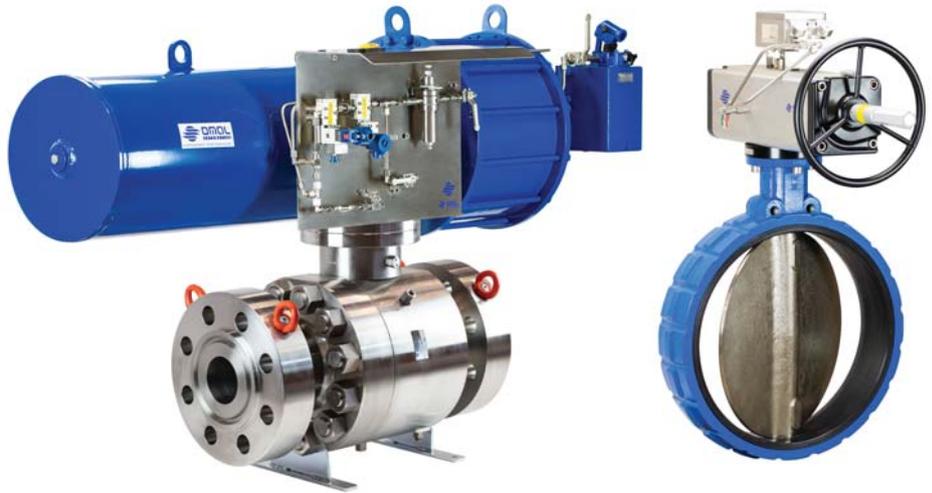
OMAL does not depend on any actuator supplier like other vendors: it means its own valves are designed to have a perfect matching and sizing with its actuator and it has total control on quality and delivery of both. Moreover no blame game between actuator- and valve-makers as end users have experienced many times when there are any questions raised at site: OMAL is wholly responsible for the assembly.

The corporate philosophy is EMPOWERED PERFORMANCE, namely anything delivered to the market must be more than any expectation of their own client or standard used in the industry.

OMAL's Products portfolio is wide and diversified and the result of long experience and high excellence in diversified markets.

OMAL produce BALL VALVES in different designs and materials but all are suitable for high-cycles and high reliability. The quality of our ball valves is not only confirmed by international certification (API 6D or AD2000) and a long reference list but also by special qualification as for PROCHEMIE suitable to operate over 60.000 cycles with no visible leakage from the stem packing.

OMAL also manufactures EN593 Butterfly Valves (concentric type, rubber-lined), either Wafer or Lug, with interchangeable liners in different materials (EPDM, NBR, FKM, PTFE, NBR CARBOX, etc).



All the above valves deliver their best performance matched with actuators that outstand in the market to have SCOTCH-YOKE system: actuators result in being smaller, lighter and less-demanding of air-consumption and outstanding in terms of life time and reliability (over 1MIL cycles). Available in a very diversified and wide range of temperature, different materials, with handwheel or in 3-position execution (for dosing service).

Completing the range of actuators, there is also an electric one (from 24v to 230v) either in ON-OFF for isolation valves or MODULATING for control valves.

Last, but not least, OMAL offers pneumatic valves for the process industry: VIP valves patented by OMAL since 90s and yet a tangible example of innovation able to stand out as extremely compact, highly reliable (over 500.000 cycles) and very fast.

In addition to VIP, ANGLE-SEAT VALVES (in bronze or SS) with different ends for

application up to 180°C and suitable for millions cycles and maintenance free.

OMAL serves different sectors either by commodity products ready on shelf according to internal standards or by engineered valves and actuators based on specifications of engineering companies or end users and then customized according to meet the most stringent specifications.

Production is truly MADE-IN-ITALY and every product is designed, manufactured, assembled and tested in our 4 group production plants in the Northern Italy where you are welcome any time to know more about OMAL and breathe our EMPOWERED PERFORMANCE.



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Penglai Huande Steel Valve Co., Ltd.

Penglai Huande Steel Valve Co., Ltd. was founded in the 1980s. We have specialized in this field for about 30 years. Throughout these years, quality is the major target we have pursued. We aim to maintain superior quality and competitive offers for valued global customers.

At present, we have about 10 production lines, our main products covering stainless steel and carbon steel ball valves, ball, check valves, gate valves, stop valves, strainers, pipe fittings, and quick joints, etc. For valve connections, threaded/screws, socket weld, butt weld, flange ends are available.

In order to satisfy customers, we are working towards perfection to obtain certificates of ISO, CE, etc. With persistence and effort, we have become one of the leading enterprises of valves and fittings in China. According to the standards GB, ANSI, DIN, we have exported our products to USA, Spain, Germany, Italy, Taiwan, France, Mexico, Singapore, UK, Peru, etc.

In the future, Huande will still direct every staff member to remain true to the mission of "honesty, innovation, quality and efficiency". Staying true to our original intentions



and bravely standing at the forefront of the market, we will try to earn customer recognition with top quality, best service, and competitive prices.

Following the development trends of Economy globalization, we are willing to cooperate with friends all over the world to achieve a win-win situation, and open our new time!



环得钢阀
HUANDE STEEL VALVE

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PENTA Srl.

Penta Srl is a privately owned company that started in 1977 the production of Metal Seated Ball Valves for extreme conditions as high temperatures (up to +700°C), Low temperatures (down to -196°C) and abrasive or dangerous services.

During the years, Penta has developed many proprietary technologies: the unique self-lubricating PENTAFITE seat material and in-shop fabricated special high pressure resistant Grafoil gaskets.

We cooperate with our Customers all around the world (more than 80% of our production is exported outside Italy) to identify the best model and construction that better meet actual working conditions to maximize valve life and update any product to the most modern technologies and solutions.

Penta keeps all information related to any product available for 20 years the same as spares availability. Moreover our workshop is always available for in-shop maintenance of our products.

The Penta Srl range of products includes:

- **AP series:** a medium temperature and pressure valve (up to 350°C in class ANSI900 or PN160) with aggressive price;
- **WSS series:** a wafer split body ball valve used on dirty services (up to 400°C)
- **SAT model,** the best design of PENTA to solve the widest range of use between -100° and +700°C with pressures up to ANSI2500 and many different metal seats availability, including PENTAFITE technology.
- **SAT Crio model** is the extension of SAT model down to -196°C by the use of polymeric seats and special valve



arrangement that guarantee tightness and operability at any temperature.

- **SAT3 model** is an evolution of the SAT with the addition of two Scraper Rings inside and outside the seats allowing the cleaning of ball surface during valve operation, the protection of the seats from abrasion and the reduction of dirt filling body cavities.
- **MULTIPORT** basing on a trunnion mounted construction Penta can manufacture a range of 3-way metal seated ball valves with "L" port or "T" port.

Penta has obtained **ABS (American Bureau of Shipping)** Approval for use on **LNG** (liquefied natural gas) vessels carrying.

100% of all our valves are fully hydrostatically body tested at 1,5 times the maximum rated pressure and then hydrostatically seat tested at 1,1 times and 6 bar seat tested with air to check perfect tightness exceeding ANSI/FCI 70-2 Class VI.

The company is ISO 9001 and ISO 14001 certified.

Specialized in valves for critical conditions (high and low temperatures, abrasive and dangerous services)



penta s.r.l.
METAL SEATED BALL VALVES

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Email: info@pentavalves.it
Website: www.pentavalves.it
www.stockofvalves.com

Petrolvalves

Petrolvalves, established in Italy over 60 years ago, is a leading valve and actuator manufacturing company with more than 500 employees and a strong presence worldwide. Our production capabilities include some of the most sophisticated valves and actuators in the Oil and Gas industry. Our manufacturing process leverages on the most exotic materials and innovative technologies.

Petrolvalves' strategy has always focused on the development of tailor made products designed according to our customers' specific needs that often require a high level of severity applications. The company's continuous investment in new technologies, in the development of engineered solutions and specialized human capital has resulted in solid growth and ongoing success. Petrolvalves has distinguished itself and gained prominence within this competitive industry over the years and keeps launching innovative products and new After Sales services to better serve its clients. Our sole purpose is to provide the best technological and efficient solutions, in compliance with the highest standards of safety and quality, to solve the problems of our customers in the Oil and Gas industry, both in the context of subsea applications as well as offshore and onshore ones.

Proud of over sixty years of success in our industry we dedicate our resources and energy, together with our Customers, to study and develop solutions that are able to solve the most complex challenges.



Our Company stands out for the solutions implemented, the technical and production capabilities as well as the ability to develop together with our customers reliable systems of high quality and safety able to operate for decades under the conditions required by the project. What we define the critical nature

and the severity of the application have always been a point of corporate focus.

We care about the satisfaction of our customers and aim to provide the highest quality and an excellent service experience, this why we are also focusing on the after-sales phase of our products.





PETROLVALVES

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Prodim Industrial Valves & Automation

PRODIM Industrial Valves & Automation is, since 1981, the technical & commercial partner for industrial companies in need of advice, support and supply of industrial valves and their automation.

Since 2015, we have 2 entities, Prodim NV in Belgium and Prodim BV in The Netherlands.

PRODIM's distribution center and workshop is located in Brussels, a 5 minutes' drive from the International airport.

Our main expertise is focused on customers from the Oil & Gas industry, Chemical and Petro-Chemical industry, Tank storage, International EPC Contractors and OEM's related to these industries.

Our strong relationship with our European and American partners / factories, enables us to guarantee high quality products and support.

Since 2017, we have also completed our team with product specialist dedicated to safety.

This allow us to provide technical advice and to offer a complete range for overpressure protection devices, such as breather valve



and emergency vents for tank protection, safety valve, flange protection, etc..

We also acquired a test bench allowing us to perform in house pressure & functional testing all type of valves and breather valves before delivery to our customers.

We propose the following solutions:

Ball valves - Butterfly valves - Gate, globe & check valves - Quadruple and Triple offset valves - Plug valves - Diaphragm valves - Safety valves - Regulators - Control

valves - Plastic valves - Line blinds - Pinch valves - Strainers - Pneumatic, hydraulic, electro-hydraulic and electric actuators for on/off, modulating and fail-safe applications - Accessories as switchboxes, solenoid valves, filter regulators and complete control panels. - Safety devices as flange & stem protection.

PRODIM, one partner for your complete package of Industrial valves & automation.

To find out more about us, please visit our website: www.prodim.biz and follow us on LinkedIn





Industrial Valves & Automation - www.prodim.biz

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QTRCO, Inc.

QTRCO manufactures Rack & Gear™ and FLAT YOKE™ 1/4-turn valve actuators for general and severe service applications. The patent-pending FLAT YOKE™ actuator duplicates the low friction, less wear and proven long life of our patented Rack & Gear™ design but extends torque range to enable full project specification. Available in stainless steel, aluminum or ductile iron, and designed for the very worst applications, QTRCO Actuators solve a variety of problems associated with traditional actuator designs. Serving the process, power, chemical, food and beverage, pharmaceutical, paper, and now nuclear industries, QTRCO actuators are the most innovative, reliable, best performing, easiest-and-least expensive-to-maintain 1/4-turn actuators.

Q-Series:

1/4-turn Rack & Gear™ pneumatic valve actuators

Output Torques to 21,000 in-lb (2,373 Nm)

Temperatures from -76°F to 450°F (-60°C to 232°C)

Operating Pressures up to 175 psi (12 bar)

Ductile Iron or Stainless Steel Construction

Double-Acting and Spring-Return Models

F-Series:

1/4-turn Flat Yoke™ pneumatic valve actuators

Output Torques to 500,000 in-lb (56,492 Nm)

Temperatures from -76°F to 450°F

(-60°C to 232°C)

Ductile Iron or Stainless Steel Construction

Double-Acting and Spring-Return Models

L-Series:

Linear on/off and throttling control valve actuators
For short throw control valves and long stroke gate valves

Output Thrust to 46,000 lbf (204,618 N)

Temperatures from -76°F to 500°F (-60°C to 260°C)

Stainless Steel and Steel Composite Construction

Double-Acting and Spring-Return Models



The Leader in Actuator Technology

Company

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Website: www.qtrco.com



REEP (Tianjin) Industrial Technology

REEP (Tianjin) Industrial Technology is not only specialized in supplying a variety of valves in water supply and HVAC systems, but is also a related system solution provider.

We are always making a great endeavor to provide our worldwide customers with a comprehensive range of products and service, which represent quality and value supported by our professional knowledge and more than 20 years' experience in the valve industry.

REEP currently provide the following products and service to our customers.

- 1, Valve solution- waterworks & HVAC system
- 2, Sourcing
- 3, Quality control and Inspection
- 4, Factories audit
- 5, Import and export business and handling agency service



REEP

Company

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Rotork Plc

ABOUT ROTORK

Rotork is a market-leading provider of products and solutions for industrial actuation and flow control markets.

For over 60 years customers around the world have relied on us for innovative, high quality engineered and dependable solutions for managing the flow of liquids and gases in the oil and gas, power, water and industrial markets. We develop new systems to overcome challenges by working closely with customers from their initial enquiry through to product installation, long-term aftersales care and asset management support.

Our unrivalled worldwide sales and service network ensures a Rotork contact point is available for customers in any region to help global industries improve efficiency, assure safety and protect the environment.

OIL & GAS

- Products proven in applications including offshore/onshore production, subsea, pipelines, processing and storage.
- Rotork actuators are built to survive extreme conditions of industry with very low maintenance requirements.
- Reliable products can accurately control valves to achieve desired result and reduce wastage.
- Products meet SIL and HIPPS ratings while fast damper control reduces emissions.

POWER

- Rotork products operate in coal, natural gas, solar, biomass and geothermal power plants.
- Actuators are able to withstand industry's harsh environments including temperature, vibration and dust.
- Fine control of fuel and air flow to enhance combustion efficiency and reduce power loss and downtime.
- Precise damper control to reduce gas emissions and accurate valve control to cut process waste.



WATER

- Rotork products in use in processes including water treatment and desalination, sewage treatment and dams, reservoirs and irrigation systems.
- Watertight and environmentally sealed actuators designed to meet international, national and industry standards for water safety.
- Reliable remote operation can accurately and repeatedly position valves while immediate electronic feedback confirms action is in progress.
- Standard interfaces for plants using either valves or sluice gates to isolate or control flow.



- HVAC
- Mining
- Biomedical
- Rail
- Pulp & Paper
- Food & Beverage

INDUSTRIAL AND OTHER

Rotork products serve any other industry required to control or measure flow or pressure, including:

- Marine
- Pharmaceutical



rotork®

Keeping the World Flowing

Company

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SAPORITI srl

SAPORITI (www.saporitimachines.com) is an Italian machine tools manufacturer since 1946. After 1974 we started to install CNC on our lathe and milling machines and 1985 was the year of our first ball valve grinder machine. All our machines have the features constantly kept up to date with the latest technology available on the market and always offering a customized high performance and the highest quality. Our staff also design and update our machines following input coming from the Market and End User Customers.

Today we are World Leader in the manufacturing of machines for screws, barrels and Ball Valve Grinding.

We have a wide range of grinding machines from ½" to 74". The smallest is for balls up to 250 mm in diameter (the SAPORITI PV250) and the biggest is for balls up to 2500 mm Outer Diameter (the SAPORITI PV2400).

The last generation ball valves are metal to metal seated and very often hard coated. Then these new valves must be ground by extremely precise and rigid machines which guarantee the best roundness accuracy (better than 0.01 mm and a perfect surface finishing (Roughness even better than Ra 0.02).

These machines are the SAPORITI PV suitable for the best grinding of these new ball types in any type of steel or coating (satellite, ceramics CBN.... or other materials).

All the machines are equipped by Renishaw with Saporiti customized software for the easy and fast workpiece set up by the automatic centering between the grinding tool wheels and the ball. The electronic



machine is Siemens with the latest generation Torque sealed motors and the CNC 840D. Relevant filters and a cooling system allow the workpiece temperature to be kept constant and the coolant clean to assure the best output precision. The SAPORITI PV Grinders have movement on high precision roller guideways to assure the best machine performances. The main feature is that there is a controlled Y axis for the vertical movement and displacement of the grinding head. Our grinding machines have a strong structure and full stainless steel protection.

Our Company philosophy is to give high quality machines with the best quality components offering the latest available technology to avoid any possible problem. We usually export in Europe, America and Far East. Our specialised technicians install and commission the machines to customers' plans all over the world. We are a true Italian machine tools manufacturer and we have Authorised Export Certificate.



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SESTO VALVES SRL

Sesto Valves Srl specializes in custom designed ball valve solutions for the Oil & Gas, Chemical, Petrochemical and Energy industries. Valve designs include cryogenic, extreme high-temperature, metal-seated applications, as well as specialty double block and bleed emergency shutdown valve solutions; all available in a wide range of materials, including exotic alloys.

Headquartered in Agrate Brianza (MB) Italy, we are a premium ball valve manufacturer with over 30+ years of engineering experience. Our valves are 100% designed, manufactured, and tested in Italy with complete control of product quality and material traceability. In order to provide a more complete solution, we partner directly with key valve automation industry leaders to provide actuation and automation controls in a comprehensive valve package.

Our product range includes:

TRUNNION BALL VALVES

Class 150 to Class 2500
 Size Range ½" thru 36" (Class Dependent)
 Full and Reduced Bore
 End Connections: RF, RTJ, BW, SW, NPT, BSP, Special
 Fugitive Emissions ISO 15848
 Fire-Safe Tested API 607
 2-Way Side Entry & Top Entry



Multiport: 3-Way and 4-Way Configurations (T, L, Double L) with 4-Seat Design, Universal Inlet/Outlet,
 Soft Seated & Metal-to-Metal Seated for Cryogenic to High Temperature applications.

FLOATING BALL VALVES

Class 150 to Class 2500
 Size Range ½" thru 10" (Class Dependent)
 Full and Reduced Bore
 End Connections: RF, RTJ, BW, SW, NPT, BSP, Special
 Fugitive Emissions ISO 15848
 Fire-Safe Tested API 607
 2-Way Side Entry & Top Entry
 Multiport: 3-Way and 4-Way Configurations (T, L, Double L) with 4-Seat Design, Universal Inlet/Outlet,

Soft Seated & Metal-to-Metal Seated for Cryogenic to High Temperature applications.

DOUBLE BLOCK & BLEED VALVES

Trunnion and Floating Design
 Class 150 to Class 2500
 Size Range ½" thru 18" (Class Dependent)
 Full and Reduced Bore
 End Connections: RF, RTJ, BW, SW, NPT, BSP, Special
 Fugitive Emissions ISO 15848
 Fire-Safe Tested API 607
 2-Way Side Entry & Top Entry
 Multiport: 3-Way and 4-Way Configurations (T, L, Double L) with 4-Seat Design, Universal Inlet/Outlet,
 Soft Seated & Metal-to-Metal Seated for Cryogenic to High Temperature applications.



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SISCO FLOW CONTROL CO., LTD.

SISCO is a competitive valve manufacturer that was first incorporated in 2005. As an OEM manufacturer, we specialize in premium industrial valves. Our main products include the butterfly valve, gate valve, and check valve. These products are utilized extensively by industries such as petroleum, chemical engineering, sewage treatment as well as air and water treatment. Customization services are available upon request.

SISCO owns 12000 square meters of real estate. We maintain operations with a staff of more than 200 employees, many of whom are senior engineers and experienced technicians. Our modern facilities include workshops that have been specialized for dedicated functions such as assemble, processing, painting, and testing. A complete array of advanced equipment ensures the quality of our products.

SISCO exports worldwide to regions including the Americas, Europe, and the Middle East. Our valves have also exhibited outstanding performance on domestic markets, serving as the control node for systems such as petroleum pipelines, heat supply pipelines, water supply pipes, chemical pipelines, and sewage treatment.



A leading valve manufacturer provides overall satisfaction.

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Website: www.siscovalve.com

SMS-TORK

SMS TORK started to serve in its sector with the trademark TORK in 1985. We are the first producer of industrial control valves in Turkey. In the second half of 2017, SMS-TORK incorporated with VARNASAN company which was founded in 1976 and has 40 years of experience in the valve sector. With TORK and VARNASAN, our company has expanded its power in fluid control.

There is always the best solution at SMS-TORK

With a 4000 meter square factory at IMES OSB and a R&D department, we produce 100% domestic products. In our wide range of products, we create the best solution that fits to your process. Our products are solenoid valves, pneumatic actuators, pneumatic actuated angle seat valves, pulse valves and electric actuators. Process automation systems design, project planning and start-up service is also provided to our customers. In addition,



TORK is the distributor of some of the most reputable firms' flow, level and pressure measurement devices. We have served our technology to many industries such as machine builders, chemical, water treatment, cement, concrete, food, HVAC etc.

Today, TORK is preferred by 93 countries. Our goal is to provide the best solution to our customers and ensure benefits to them by creating efficiency and high quality with our products. We thank our customers that support us in our journey on our way towards our destination.

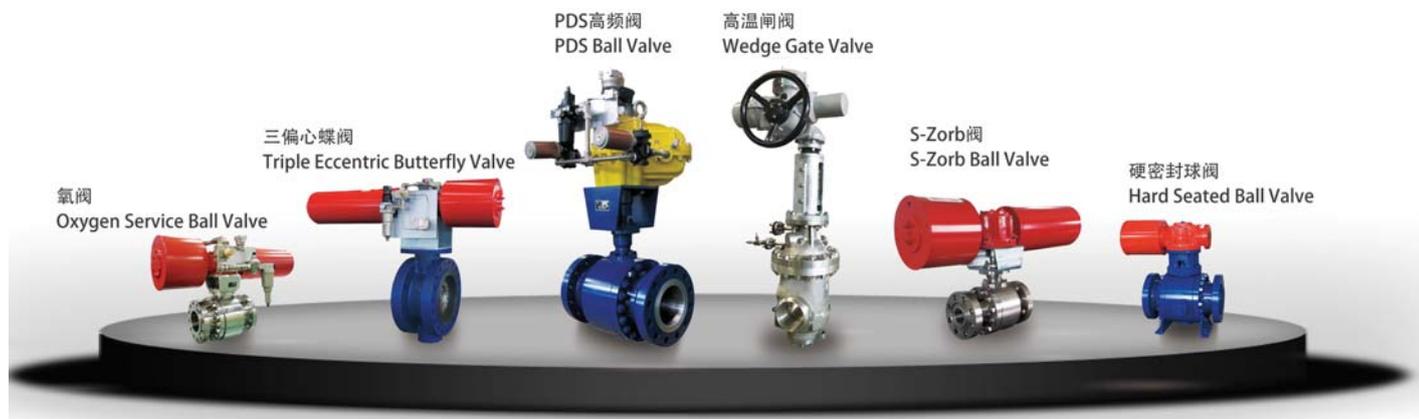


tork
valve & automation

Company

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Suzhou Antiwear Valve Co., Ltd.



Antiwear Group, is a design and manufacturing leader of high quality industrial valves. Its products, including ball valve, butterfly valve, gate valve, globe valve, check valve, plug valve, plunger valve, regulating valve, etc., are widely used under all working conditions especially for critical working conditions, e.g. high temperature, high pressure, multiphase medium, strong corrosive medium, crystallization and high frequency operating, etc.

Antiwear's products are widely used in most industries including oil refining, natural gas,

crude oil, electricity power, water treatment, chemical, construction, paper industry, pipeline transportation, etc. with stable and reliable quality and successful cases. We devote ourselves to providing the best fluid solutions to our customers globally.

In this era of Industry 4.0, Antiwear Group takes the lead to introduce advanced management concept into the company such as "Innovation promotes enterprises Great-leap-forward Development" and integrates digitalization, informatization & Intelligitization together to create "Internet +

manufacture" model. And, we build a C2M platform with high brand products and core technology to solve the problems which the whole valve industry currently faces, e.g. long lead time, unstable quality, high cost, etc. At present a lot of projects such as global quick-reaction system, digital transfer & payment platform, flexible transform line, material supply cloud platform, intelligent mall and so on, are initiated step by step. We continue trying our best to realize our mission - "Provide the best fluid solution for you and help you enjoy a good life."



ATV 安特威阀门

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SYVECO

SYVECO, the new name of Thermador International

Thermador International changes its name with the purpose of asserting its added values and commitments towards its customers. Our core however, remains the same: We offer a wide range of valves and fittings for industry, HVAC & water works to the European and African markets.

We are part of Thermador Groupe, a French master stockist.

Thermador Groupe

- over 50 years of experience
- 476 employees
- sales €315 million
- stock value €123 million
- strategic logistics location near Lyon, France

Since our early days, we have been relying on the expertise of Sferaco and Sectoriel in the fields of both manual and actuated valves.

Delivery times

Progress with logistics and shorter delivery times have simply pushed back our borders. We are able to deliver orders within 2 to 6 days from our stock based near Lyon, south-east France.

Thanks to our local presence and market awareness, we continually develop our range of products in order to respond to our customers' specific needs.



We are Stock
We are Service
We are Simplicity

Quality Products

We provide our customers with quality valves and fittings, but there is more to our products:

- a wide range of products in valves & fittings
- ISO-certified actuation center offering more than 5,000 actuated valve combinations
- a selection from leading manufacturers
- internal quality control with X-ray fluorescence spectrometer & bench tests
- major European agreements & certificates
- technical datasheets & autocad drawings
- qualified technical training center.

Dedicated Service

The notion of customer service is reinforced by a multicultural team for greater proximity with our partners. Professionalism, quality, rapidity and customer follow-up are most important to us. Syveco is:

- international team with 20 languages spoken
- strong local presence
- technical assistance from our customer service
- 89,000 product references available on stock
- low minimum order
- quick delivery all over Europe



Company

Name: SYVECO
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France
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Website: www.syveco.com



Taizhou Juhang Automation Equipment Technology Co., Ltd

Taizhou Juhang Automation Equipment Technology Co., Ltd is specialized in valve pneumatic actuators, manual actuators and fluid control system research and development, manufacturing and marketing in the integration of high-tech enterprise. The Company in strict accordance with the ISO9001: 2008 management system and ISO5211,

NAMUR, DIN 3337, and other international standards for production. It has also been awarded the CE certification and explosionproof ATEX certification which is issued by the German TÜV Rheinland certification body, SIL 3 certification in line with IEC61508 standards, plus a number of advanced technology obtained national patents.

We are committed to building a boutique for industrial fluid pipeline valve control systems.

We offer professional cast quality and service to create value. We sincerely look forward to providing you with the best quality products and satisfactory service.



JUHANG.CN

Pneumatic Actuator Switch Life Is
1 MILLION TIMES

SIL 3     **ISO 9001**

Taizhou Juhang Automation Equipment Technology Co., Ltd is specialized in the valve pneumatic actuators, manual actuators and fluid control system research and development, manufacturing, marketing in the integration of high-tech enterprise.

Professional cast quality, service to create value. We sincerely look forward to providing you with the best quality products and satisfactory service.

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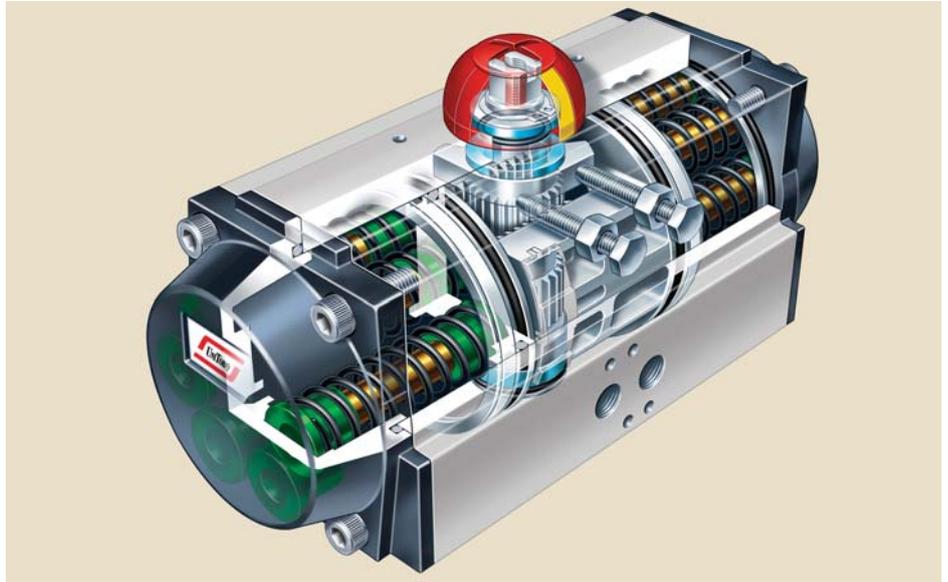
UniTorq Actuators and Controls

Over the past 26 years, UniTorq Actuators and Controls has become one of the world's leading manufacturers of pneumatic rack and pinion actuators. Since our founding, our mission has been to provide innovative, intelligently designed products that are manufactured with state of the art processes and high quality materials. The result is a portfolio of products that perform reliably in even the most demanding industrial applications.

Our success is also attributed to our exceptional support team that includes design engineers and professionals experienced in all aspects of valve automation. These experts can work to integrate our products with your equipment, either in-house or in the field. We support our distribution channels and OEM partners with a large inventory of product at our facility in Duluth, GA. Technical support and marketing assistance also help give our partners a competitive edge.

UniTorq Pneumatic Actuators

Whatever the torque range, process or application, UniTorq's rack and pinion actuators are the most efficient actuators in the world. With more than 17 torque sizes, models are available with 90, 120, 135, 180, 240 or 270 degree of rotation. Built to perform relentlessly in the most demanding environments, UniTorq can meet almost any requirement for pneumatic actuation.



Electric Actuators Offer Field Proven Performance

Continuing our tradition of providing innovative products, we have an extensive line of electric actuators. Available in quarter-turn or multi-turn (rotary) configurations, these actuators meet most voltage, torque, operating time, valve type, and shaft diameter requirements. Control applications can be on/off or modulating with optional digital microprocessor control. Ideal for countless applications, with gear driven torques from 150 in.-lbs. to over 1,000,000 ft.-lbs., these actuators meet hazardous area and watertight certification approvals.

UT-ZM Declutchable Manual Gear Override

The UT-ZM provides manual override capabilities whenever air supply or power to a pneumatic actuator is lost. The UT-ZM enables users the ability to safely and easily

position valves - specifically enabling a 90 degree turn in either direction - whenever it becomes necessary to manually override a double acting or spring return actuator. The UT-ZM is available with an Isolation Safety Option that provides internal porting to automatically block and release air, making operation of the gear safer and easier. It also eliminates the need for costly tubing, tees, valves, and fittings.

The Complete Solution from the Valve Up

UniTorq manufactures a complement of actuator accessories, including digital positioners, solenoid valves, the SeniTec position indicator line, block and vent air control, and mounting hardware to provide a comprehensive valve automation solution.

UniTorq is an ISO 9001: 2008 certified company.



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Valsteam ADCA Engineering, SA

STEAM EQUIPMENT EXPERTS

Focused on providing groundbreaking products for industrial steam and fluid systems, the Valsteam ADCA project has been in the market of steam equipment for more than 35 years.

Valsteam ADCA started as an industrial plant for pipeline and steam boiler house contractors. Already building pressure vessels and auxiliary equipment in-house, Valsteam ADCA has grown up to become steam equipment and valve manufacturers, using the knowledge acquired along the years, and can now assure the complete production cycle: design, machining, welding, assembly, tests, quality and packaging for a very wide range of products.

GIVING NEW WORLDS TO THE WORLD

Right from the start, the family owned Portuguese company had a strong passion for developing equipment and for solving problems. Today, Valsteam ADCA has two production facilities with a total manufacturing area of 22 000 square meters, located in a small village in the ocean side of Portugal, and are currently growing again, expanding their main production facility. The team today consists of almost 90 people that together drive the Portuguese caravel along the five continents and more than 80 countries, with the same ambition their ancestors were driven by: to reach more and to give new worlds to the world!

A "ONE STOP SHOP"

Up to now, the company consolidated a very wide range of products and solutions for steam



and other industrial gases and liquids, present in the process industry. Today, the company stands as a "one stop shop", with more than 6.000 different products and more than 15.000 product parts for all kind of industries.

From standard and non-standard series to tailor-made products, Valsteam ADCA is one of the European companies with the largest range of products, which can be divided into six sections:

- Steam traps
- Pressure reducing valves
- Control valves
- Pipeline ancillaries
- Special construction equipment
- Adcapure: the hygienic/sanitary line, a complete range on its own, specially dedicated to industries with high purity standards, such as the food, chemical, cosmetic and pharmaceutical industries.

PRODUCING LOCALLY, SUPPLYING GLOBALLY

Valsteam is nowadays a global company, but kept the best that a family owned business can have: agility in developing new products, flexibility in production and proximity to staff and clients. The requests of customers for different special products meet in the company the willingness and determination to accept new challenges, which is evident in the company's vision to always look to and invest in state of the art machinery and advanced engineering software, that allow the continuous increase of the factory's productivity and the quality and efficiency of the products.

For more information and to check the latest news, visit www.valsteam.com



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Website:	www.valsteam.com

Valtec Ind. Co., Ltd.

Valtec Ind. Co., Ltd. is a distinguished manufacturer of stainless steel/carbon steel valves. Only one who has Investment Casting, Machining, Assembly Shop, Ball, Parts and Direct Sales integrated product line at our own factory in Taiwan. It is over 33 years old!

Valtec believes the reliable relationship to clients is the biggest treasure and win-win cooperation will lead down a long path promoting each other. It guarantees the cooperation through High Quality, High Efficiency, On Time Delivery, Reasonable Prices, and Reliable Service is the top rule of Valtec.

Highlight Products:

- CRYOGENIC SERIES BALL VALVE
- SANITARY SERIES BALL VALVE
- PFA LINER Ball Valve: 2-pc Flanged end for PN16 & 150LBS.
- METAL SEATED Ball Valves: 2-pc Flanged end in DIN PN16, PN40, ANSI 150LBS, 300LBS, 600LBS.
- HIGH PRESSURE Ball Valves: 10000psi/ PN670, 6000psi/ PN414, 2-pc & 3-pc, Threaded/ Socket/ Butt Weld end.
- VALVES: Gate, Globe, Check, Strainers, Flanged end in DIN PN16, PN40, ANSI 150LBS, 300LBS, JIS 10K; Threaded end in PN40.
- SUPER ALLOY VALVES: Alloy, Duplex, Ti Valves, Material and design is upon YOUR needs!

Certificates:

- ISO 9001-2015
- PED 2014/68/EU Module H



- API 607 Fire Safe
- ATEX
- TA-Luft
- AD 2000 & PED MM
- Lloyd's Register (LR)

- BV Marine
- DNV GL
- NK

Valtec is your reliable partner in Taiwan.



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Email: valtec@valtec.com.tw

Website: www.valtec.com.tw



VALUE VALVES CO., LTD.

VALUE VALVES has been verified by API.

"Since 1980, VALUE VALVES CO., LTD stands for an international valve enterprise group and reliable partner that offers research, development, design, manufacturing, inspection and distribution service for high-quality valves. After more than 40 years of experience and development, our company ranks first in the valve industry in Taiwan.

VALUE VALVES has been exporting its products to the United States of America, Japan, Europe, Oceania and other advanced industrial regions. Furthermore, it is partner of BASF, Mobil, Royal Dutch Shell plc, IHI Corp., Veolia Environment S.A., Siemens VAI, Mitsubishi Heavy Industries, Kobe Steel and other internationally renowned enterprises. Customers like the Formosa Plastics Corp., Chi Mei Industrial Corp., Far Eastern Textile Corp., China Shipbuilding Corp., Changchun Chemical Engineering, China Steel Corp. and China National Petroleum Corp. already benefited from our premium-quality valves. VALUE VALVES' products are widely used in the industries of petroleum, steel, shipbuilding, energy, water treatment, paper, HVAC and electronic.

In 2004 the company set up a manufacturing base in Suzhou (China), and five years later a second factory was build.



Until now, our products are used by the Haying (Zhengzhou) Housie Power Plant, National Electric Huizhou Power Plant, nation invested northern part of Bay power plant, Haying (Luoyang) power plant, China and Asia hard pipe plants, Oriental Petrochemical, Taiwan Semiconductor Manufacturing Company, SMIC and other well-known enterprises.

We are adhering to the entrepreneurial concept of "Value, Professionalism,



Quality, Service, Innovation" and are looking forward to convincing you with our qualitative products and services."



jacketed valve



Company

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Fax: +886-2-2268-6600
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Website: WWW.VALUEVALVES.COM

Valve Accessories & Controls Inc.

Our Story

Valve Accessories and Controls (VAC) was created from the idea that customers should always have a choice when it comes to high quality valve positioners. After 25+ years of serving customers with various application needs, Wayne Fleming, founder and CEO of VAC, realized the majority of positioner options were over-priced, discontinued, or just plain hard to get. In 2001, he set out to establish a company that would adjust to the specific needs of the ever-evolving industrial control valve industry by staying customer-focused, manufacturing exceptional products and offering a wide selection of new installation and retrofit solutions.

Serving OEMs and Distributors

Every day we work with satisfied OEMs and Distributors, offering options from basic pneumatic and electropneumatic units, to explosion proof electropneumatic units, to a complete line of digital positioners, with positioner feedback available for all units. All of our positioners are housed in a simple, rugged, metal design equipped for the extreme conditions of any environment. Our units provide the control accuracy consumers expect while remaining user-friendly and reliable.

Your Retrofitting Options

Most industrial control valve packages come equipped with the manufacturer's standard positioner. When the time comes for these units to be replaced,



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Email: brennal@vacaccessories.com
Website: www.vacaccessories.com



users assume they have no choice but to repurchase the same standard model positioner. Frustrated, they are ultimately forced to pay for expensive products with unnecessary features that aren't required for the application.

This is where we come in. Retrofitting with a VAC positioner is a major way customers stay in control of their options. VAC's complete range of positioners was designed to be flexible and adaptable, capable of mounting on rotary and linear valves alike. We want to help you find the best fit for your application.

Our VAC PAC of quality positioner products includes:

- the simple V100
- the versatile V200
- the digital D400 and D500
- special coating options such as Nickel or Tuftram®
- Endure a range of temperatures from -58° to 325°F
- Various positioner feedback options
- Quality accessories and a wide variety of mounting kits



Our Reputation

From day one, our mission and primary focus has been customer satisfaction. We have a tight-knit, dedicated team who work together to provide customer service that goes unmatched in our industry. When doing business with us, don't worry about phone mazes and slow response times. Instead, expect prompt, friendly phone service, same day email responses and order shipment within 48 hours or less in most cases. As a privately held, customer-focused company, we can meet your needs much quicker and with much more flexibility.

Come visit us at www.vacaccessories.com or give us a call at 205-678-0507, and let us provide the excellent service and products you deserve.



VanAire Inc.

Your Independent Partner in the Valve Automation Industry

Engineered Valve Automation Hardware (EVAH) has been the core of VanAire since 1994. We strive to set the industry benchmark and, due to our Engineering, Manufacturing and Quality capabilities, have been recognized globally as the primary go-to source of many leading valve and actuator companies.

Often the mounting kit component of an automated valve assembly is considered trivial and thought of as a commodity item, or even an afterthought. To the contrary, sources indicate that a primary reason valves fail prematurely is due to inadequate mounting hardware.

Engineered for Strength is much more than a catch phrase; in fact, the (ANSI)/API 6DX-201/ISO 12490-2011 Standard is rooted in Engineering. VanAire's experience, knowledge and engineering capabilities help ensure that the total automated valve assembly will withstand all known torques and loads carried during its predicted lifespan.

VanAire is committed to Continual Improvement. Our ISO 9001:2015 certification is a prime example of this commitment. ISO 9001 is a road map VanAire follows to improve consistency in every aspect of our organization.

In addition to our engineering and quality commitment, VanAire also utilizes CNC machinery throughout our manufacturing



process. We house over 40 CNC machines in our 45,000 square foot facility. These include Robotic welders, laser cutting system, machining centers, turning centers, press brakes, blind hole keyseaters, robotic machine tenders.

VanAire's main objective is to provide our customers with the very best in Quality, Design, and Delivery. Our goal is to be "your problem solvers". Please contact our team to discuss your unique application.

Connect With The Pros





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Website: www.vanaireinc.com

Velan

Velan is one of the world's leading manufacturers of industrial steel valves, recognized as a standard-bearer in quality and innovation. The company was founded by acclaimed inventor and entrepreneur A.K. Velan in 1950, and continues to leverage advanced engineering capabilities and innovation to create high-performance valves that meet critical industrial needs in a diverse range of applications.

Velan offers one of the most comprehensive product offerings available from any valve manufacturer, in sizes varying from 1/4" to 80", with pressure ratings from vacuum to over 10,000 psi, temperature ratings of up to 1,500°F, and availability of many material and design options. All of Velan's valves are designed and manufactured with quality and long service life as a priority, and incorporate many unique design features for environmentally friendly performance, simple maintenance, and reliable service. From delayed coking to main steam isolation, and everything in between, customers around the world rely on Velan valves to keep their plants running safely and efficiently.

Velan valves have an extremely broad installation base and are approved by major companies worldwide. In addition, Velan has been an active and trusted name in the nuclear industry since its inception, and has supplied valves to the vast majority of nuclear power stations in the world.



Velan's global network

- 13 manufacturing plants: 4 in North America, 4 in Europe, and 5 in Asia
- 2 stocking distribution centers
- Hundreds of distributors and service shops worldwide

Velan employs over 1,800 people, the majority of whom are located in North America. The company concentrates on one business—designing, manufacturing, and marketing advanced technology valves in a broad range of types and sizes.

That's why Velan can truly stand behind its tagline: Quality that lasts.

Primary industries served

Process

- Refining and downstream
- Unconventional oil processing
- Chemicals and petrochemical
- Coker • Mining • Pulp and paper

Upstream and midstream

- Onshore exploration and production
- Pipelines • Underground gas storage
- Offshore production, platforms, FPSOs, and FLNGs • Subsea
- LNG liquefaction and regasification terminals and tank farms

Power

- Nuclear • Fossil • Combined-cycle
- Supercritical • Ultra-supercritical
- Geothermal • Solar • Hydro
- Biomass

Product line

- High pressure and standard API gate, globe, and check valves
- Severe service metal-seated ball valves
- Resilient-seated ball valves
- Triple-offset butterfly
- Dual plate check valves
- API 6D & 6A ball valves
- Steam traps
- Control systems and actuators
- Engineered-to-order valves



VELAN

Company

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Vinco Válvulas S.A.

Vinco Válvulas SA manufactures ball valves for the chemical, petrochemical, offshore, marine, pharmaceutical, biotech and cosmetics industries.

The focus on the technological development and the know-how obtained, has allowed the expansion to new markets. With customers in capital-intensive industries and operating in extreme environments we find quality, safety and reliability of our products as fundamental aims, which we have been consolidating throughout these almost 30 years of activity.

The course of the company shows in fact its constant development and the search for new innovative products and services. The company is located in V.N Famalicão, Portugal on a modern 4.200 m² facilities where the production of valves is performed since their design and development, to assembly and testing under the highest quality standards.

ISO 9001

CE Marking
PED 97/23/EC



Fugitive Emissions
ISO 15848

ATEX II 2 GD
94/9/EC



INDUSTRIAL RANGE



Sizes: DN ½" to 12"

Class Range: Cl150 to 2500

- Floating and Trunnion mounted
- Double Block and Bleed
- Special Materials
- Fire Safe Certified
- Soft and Metal Seats

CRYOGENIC RANGE



Sizes: DN ½" to 12"

Class Range: Cl150 to 1500

- Floating and Trunnion mounted
- Up to -196°C (-321°F)
- Standard TFM Seats
- Soft and Metal Seats

HYGIENIC RANGE



Sizes: DN ½" to 6"

• ASME BPE - DIN 11850 - ISO 1127

- Design for improved cleanability and sterility
- FDA & USP Class VI compliant
- Electropolishing

MISSION & COMMITMENT

Our target is to exceed our customers' expectations, based in the quality of our products, the follow up guarantee as well as the fast deliveries we can offer. Our experience allows us to propose a dedicated customer service that will find a solution for our customers' demands.



VINCO
VALVES

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Viza Valve

With over 20 years' experience in industrial valve design and manufacturing, Viza Valve is one of the professional valve manufacturers in China and has become widely recognized by major end users and EPCs for quality products and good customer services.

Viza Valve is specialized in researching, developing and manufacturing industrial valves with the objective of providing project package solution for end users. Today Viza has two specialized valve manufacturing facilities and one specialized valve casting foundry.

Viza's Kun Shan Plant, located in JinXi Town, KunShan city that lies between Shanghai and Suzhou, was built in 2003 and covers a total of 25000 SQM with annual production capacity of 50 million US dollars. The plant produces gate, globe, check, floating & trunnion mounted ball valves, e.g. bellow seal gate & globe valves, metallic seat ball valves, top entry ball valves, fully welded pipeline ball valves, subsea ball valves, CRA clad valves, cryogenic valves for various industrial application.

Tian Jing Plant was built in 2000 and is located in Tian Jing city near Peking, the capital of China. It covers 15,000 SQM and has an annual production capacity of 15 million US dollars, mainly manufacturing rubber lined butterfly valves. The specifications range from 1/2 inch to 48 inch, pressure classes PN10 to 20.

Viza's casting foundry, Tai Bo foundry is located in Tai Zhou city and covers 35,000 SQM with an annual capacity of 8,000 tons



of precision casting and sand casting, unit weight up to 250 KG for precision casting and 250 kg to 1000 kg for sanding casting, material specification including carbon steel, high temperature alloy steel, stainless steel and duplex stainless steel.

Viza Valve set up their quality assurance system in strict accordance with API Q1 and ISO 9001, and also developed an extensive and advanced inspection and testing facility, e.g. high pressure gas test center, CMM to control the production quality from raw casting or forging material to complete valve products, Viza has established a vertical integrated quality control and assurance system.

A Quality Assurance Department leads the supervision of Viza's manufacturing team independently. The engineering, manufacturing, site-inspection, sales and after-sales services departments set up their own quality programs to support Viza's primary quality assurance manual, with the goal of zero defect valves to all customers and continuously improving and enhancing overall product quality.

Viza would like to be the best valve manufacturer. To be your most reliable partner for valves and valve related technology is the promise of Viza Valves in the global industry valve market.





VIZA VALVES

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Website: www.vizavalve.com

VTORK Technology (Wuxi) Co., Ltd

VTORK Technology (Wuxi) Co., Ltd. is a professional manufacturer of valve actuators and related products. Founded in 2012, the company is one of the leading manufacturers of valve actuators in China. Specializing in the production of rack and pinion pneumatic actuators, scotch yoke actuators, electric actuators, limit switch boxes, declutch gear boxes.

VTORK Technology has excellent production equipment and a world-leading precision processing center. We innovatively use all kinds of production testing equipment. This equipment vastly improves the quality of products and production efficiency.

We are at the world leading level amongst our domestic counterparts, we offer consistent quality and are well received by clients.

Since our company was established, we have strictly produced products according to international quality standards and entrust foreign famous certification companies to make strict product quality certification. Based on the characteristics of

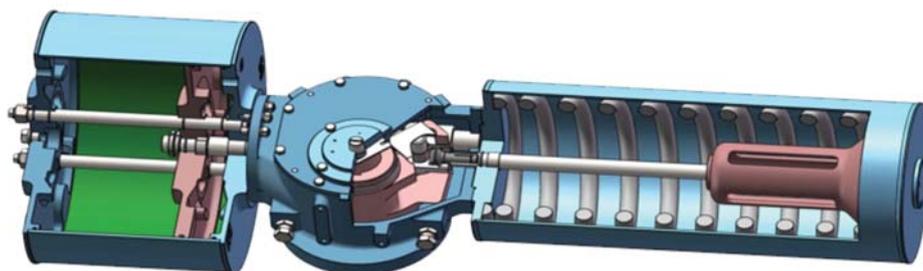


industry application, we have owned unique patents in the industry. We have made an outstanding contribution to the progress of the pneumatic valve actuators industry.

Various options with good service fast delivery and professional certificates: ISO

9001/ ATEX/ CE/ SIL3 certifications and 18 month guarantee, have won the trust of many customers all around the world, especially in the US and the Europe.

We aspire to work with good partners and hope we can make a better world together.



Company

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Jiangsu Province
China

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Email: vtork@vtork.cn

Website: www.vtork.cn

VYC industrial, sa

VYC industrial, sa was founded in 1914, hence it is our privilege to be considered one of the pioneering companies in the design, manufacture and marketing of fluid regulation and stop valves. Our technology and the quality of our products guarantee that personnel and other assets are safe and protected, while remaining true to our environmental policy in both selecting recyclable materials and defining methods and processes.

A century of experience in which we have enjoyed the trust of all kinds of customers and sectors. Our main goal is to build on this trust day after day, creating and developing attractive products at competitive prices and providing appropriate information and services.

Our origins were with steam, and that enabled us to become recognised specialists with a closely related EN-ASME valve-manufacturing programme:

- Safety valves
- Check valves
- Steam traps
- Control & Regulation
- Float-buoys
- Instrumentation
- Bleeding for steam boilers
- Automatic level controller
- Level indicators-sight glasses



Safe and Efficient Plants and Processes

VYC safety valves are found in pressurised systems for steam, gas and liquids which require careful protection.

All kinds of industries trust in our safety: chemical, petrochemical, refineries, water supply systems, energy supply and generation, process steam systems, equipment, capital asset manufacturers and more.

We develop tailored solutions and standard products for all these applications. We are in permanent contact with our customers and partners, engineering companies and plant operators. Their information and our know-how mean we can offer an increasingly optimised, effective and flexible product.

The VYC safety valve is the highest selling valve in Spain and one of the most widely distributed and prestigious valves throughout the world.

Design based on 'International standard ISO 4126-1 safety valves'.

Specifications:

- 90° angle stop
- Operated by direct-operation coiled spring
- Simple construction ensuring minimal maintenance
- Interior body designed to provide a favourable flow profile
- Materials carefully selected for resistance to wear and corrosion

- Fitted with a draining screw to release condensate
- Self-centering valve
- Axis with lever positioner to facilitate immediate manual operation

In the high-performance models, the elevator is separate from the shut-off, facilitating sudden opening with steam expansion and guaranteeing opening precision and complete shut-off with all fluids.

Our valves are supplied sealed at the trip pressure requested.

Every valve is supplied including documents and certificates in accordance with EN-10204 3.1 and P.E.D. 2014/68/EU. Without doubt, the demands we place on our products are demonstrated by these certificates, some of the most complete in the world.

Precise operation of opening and closing

High discharge capacity

In accordance with ATEX Directive 94/9/EC "Equipment and protective systems intended for use in potentially explosive atmospheres".

If interested, please visit our web page for further information and contact with our sales and technical team.





Company Name: VYC industrial, sa

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Wenzhou Ruiqiu Valve Co.,Ltd.

Our enterprise

RUIQIU VALVE (WENZHOU) CO.,LTD. located in Wenzhou city China. The people here were named "Oriental Jew", because of their talented business mind and quick-witted Marketing.

Since its inception in 2001, RUIQIU has focused on the manufacture and sales of High quality complete Kits (ball & seats) and other related components (Body, closure, stem etc.) for Ball valves, on Oil, Gas, Power and Nuclear applications.

With large investments in sophisticated manufacturing facilities, producing high quality products and punctual delivery time, Ruiqiu has become one of the main Ball valve components manufacturers in China.

Our Production is carried out in all types of materials, even plated and/or coated or cladding.

Main material including:

A105,LF2,F6A,410,4130,4140,F304,F316,17-4PH,F44,F51,F53F55,F60,Inconel, Monel etc. The range being produced is from 1 1/2 inch up to 48 inches in diameter maximal from Class 150LB to 2500LB. Our plants consist in Turning Lathes, Palletized Machining Centers and Grinding machine which are fully equipped for special, small and mass-production work.



RUIQIU's rapid growth is a testimony of the company's steadfast commitment to 'Customer First' policy, combined with its unflinching adherence to high ethical standards.

In future RUIQIU will continue focusing on meeting or exceeding customer expectations in terms of product performance and on-time delivery.



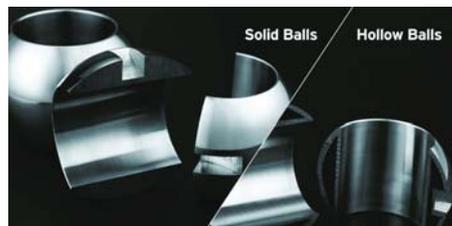
Company

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Email: sales@valveballchina.com
Website: <http://www.valvepartchina.com>

WENZHOU ZHENHONG VALVE BALL CO., LTD

Wenzhou ZhenHong Valve Ball Co., Ltd was established in 2000, Wenzhou is the famous hometown of valves, pumps, pipe & fittings of China, with a strong manufacturing capacity and experience, humanized and efficient management system, technical innovation, plus superior quality, prompt delivery, low and stable prices.

ZhenHong is an ISO9001 and CE qualified valve balls manufacturer, specialized in and focus on manufacturing valve balls in a size range from 1/2" to 64" and class range from 150Lb to 2500Lb, in material stainless steel (SS), duplex stainless steel (DSS), carbon steel (CS), alloy steel (AS) and special alloy steel. Technically, our products mainly include solid balls, hollow balls, welded (hollow) balls, in types of floating & trunnion mounted C ball, V ball, semi / half ball, stem ball, 3 & 4 way ball and even special design and customized balls, which are broadly used in all kinds of ball valves.





Company Name: WENZHOU ZHENHONG VALVE BALL CO., LTD

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Phone: 0086-577-86999825

Fax: 0086-577-86999826

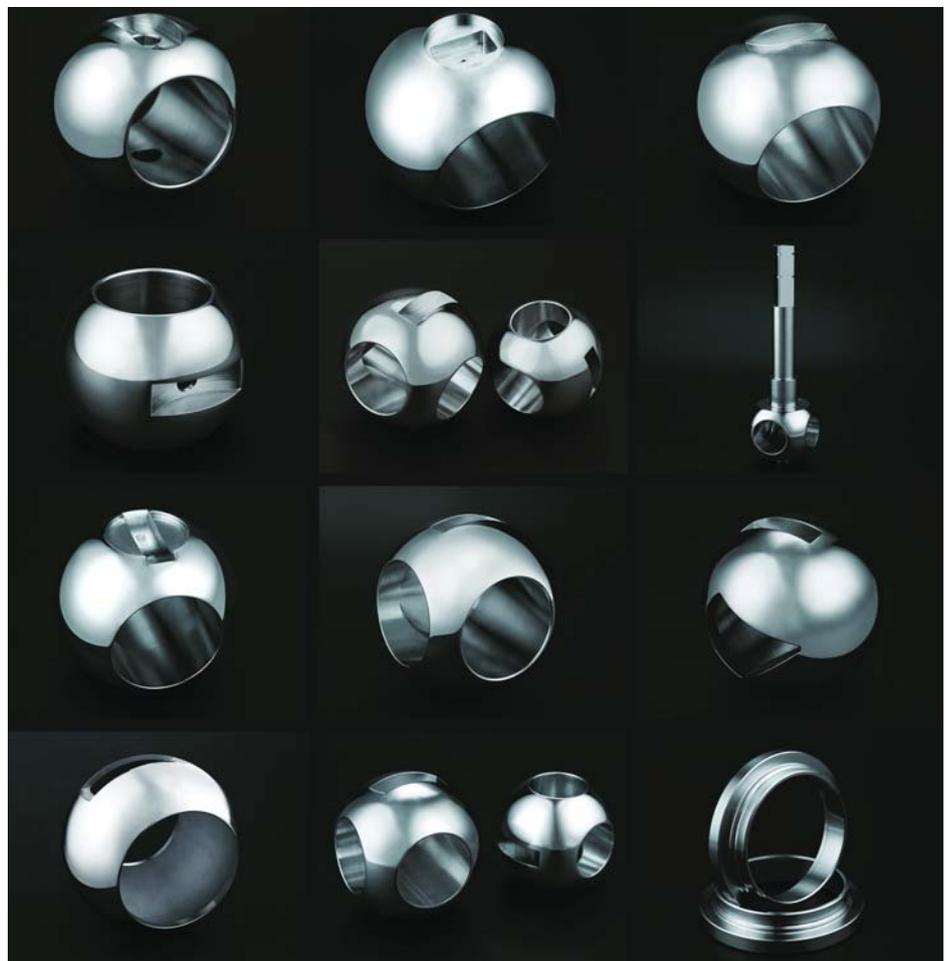
Email: sales@zhballs.com

Website: www.zhballs.com



In addition, we're constantly improving our management system and sales strategies. We sincerely hope to establish good & stable cooperation with global ball valve manufacturers,

stockists, wholesalers and distributors. We believe our quality balls, timely delivery and competitive price can help you save costs greatly. Let's build a healthy partnership of mutual benefits.



Wolseley Industrial Group

Industrial customers rely on Wolseley Industrial Group to procure, distribute and deliver pipe, valves and fittings (PVF) to build, maintain and repair infrastructure for industrial facilities across the country. Customers in a variety of industries rely on us to help mitigate risk, produce cost savings and optimize performance.

With a national footprint of 178 locations and a leading distribution network, our customers have quick and easy access to a comprehensive product portfolio of approved manufacturers. Our technical expertise, built on our quality assurance program, extensive inventory and service capabilities (including valve automation, pipe fabrication and supply chain services), allow us to provide solutions that meet the requirements of our customers on time, every time.

Quality People, Quality Products, Quality Processes

The Wolseley Industrial Group quality program is the greatest value we provide our customers as a trusted supplier. Our industry leading quality program focuses on meeting rigorous supplier requirements. Our program includes dedicated associates, a supplier qualification process, an approved manufacturers list and an accredited quality management system (ISO 9001 and ISO / IEC 17025)



A well-diversified PVF service provider

For projects of all sizes, from maintaining a facility to full turnkey plant shutdowns, Wolseley Industrial Group is a one-stop shop with one of the largest inventories of trusted valve, actuator and accessory manufacturers. The combination of our national network, inventory and fabrication capabilities allows for shorter lead times to meet our customer requirements and provide cost savings.

Our products include:

- Pipe, Valves & Fittings
- Instrumentation products
- Fuel and petroleum measurement
- General MRO supplies
 - Abrasives, adhesives and lubricants
 - Cutting tools and accessories
 - Fasteners
 - Paper and janitorial
 - Safety products

Our services include:

- **Valve Automation**
We offer a comprehensive actuation for almost any application using our dedicated valve technicians and automation centers. We are focused on using trusted brands and providing full traceability and documentation of each valve assembly.
- **Lined Pipe Fabrication**
From drawings to custom length completed spools, we offer full fabrication of lined pipe shipped to your facility quickly. Our fabrication capabilities include hot forming and pipe fabrication with PTFE, poly, Kynar® and ATL.
- **HDPE fabrication**
Throughout our national footprint, we offer extensive HDPE fabrication of fittings and specialty structures to our customers using our skilled fabricators and quality equipment.
- **Supply Chain Management Services**
Our supply chain solutions help streamline operations, improve productivity and reduce total cost of ownership. Our offerings bring visibility to the supply chain to drive shorter lead times and eliminate waste.



WOLSELEY

INDUSTRIAL GROUP

Company

Name: Wolseley Industrial Group

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Email: Omar.Alomran@wolseleyind.com

Website: www.wolseleyindustrialgroup.com

WUXI FORCE & TORQUE TECHNOLOGY CO., LTD.

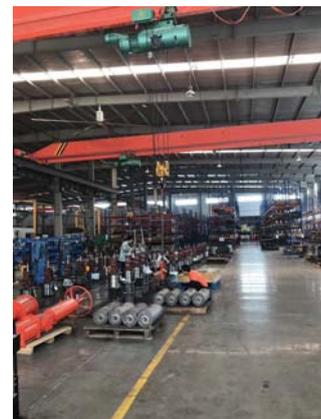
Wuxi Force & Torque Technology Co., Ltd. is a well-recognized world leader and reliable manufacturer for pneumatic actuators, pneumatic valves and accessories in China. The backbone employees started a R & D manufacturing and marketing for valve actuators in 1999. With over 20 years' innovation and extensive industry experience, Force & Torque provides first class products and services for customers worldwide.

Force & Torque supplies pneumatic actuators and valve control accessories such as manual overrides, limit switch boxes, solenoid valves, filter regulators, valve position feedback devices etc. Additionally, Force & Torque provides professional valve automation solutions such as pneumatic ball valves, pneumatic butterfly valves etc. for diverse applications.

The wide variety of actuators include stainless steel pneumatic actuators, RT series rack and pinion actuators, HPY series scotch yoke pneumatic actuators and scotch yoke hydraulic actuators, HPL series linear pneumatic actuators and linear hydraulic actuators.

Actuators range from $\phi 32$ to $\phi 1000$, torque covers from 5Nm to 300000Nm.

Focusing on the mindset 'Absorbed, Professional, Excellent', Force & Torque devotes to serve customers with more excellent technology, innovative products and best service.



Company

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Email: sales@force-torque.cn

Website: www.force-torque.cn



Wuxi Huaji Machinery Manufacturing Co., Ltd.

Wuxi Huaji Machinery Manufacturing Co., Ltd. is a professional enterprise that develops and manufactures pneumatic actuators. The main products are AT series pneumatic actuators. Since 2017, the daily shipments have exceeded 1,000 units, and the monthly supply of 30,000 actuators in the domestic market.

Our strength lies in the ability to produce and supply in large quantities under the premise of ensuring quality. We are the source company of actuator processing and manufacturing.

The company has a comprehensive after-sales system and accepts customized products. We will adhere to the concept of quality and integrity management, and welcome domestic and foreign customers to visit our factory.



Company

Name: Wuxi Huaji Machinery Manufacturing Co., Ltd.

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Binhu District
Wuxi City
Jiangsu Province 214161
China

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Fax: 0086-510-85580750

Email: hj@hj-actuator.com

Website: <http://www.wxhjjzz.com/en/>

Xuanda Industrial Group Co., Ltd

XUANDA Group is a Chemical, Petrochemical and mining industry partner with leading products, services, and solutions. Focus on four business segments include Valves, Pumps, Corrosion Resistance alloys and Sulfuric acid plant Engineering.

At XUANDA we have a shared belief, passion and calling, gathered in pursuit of a common goal. "Quality product, Achieve for customer". With 600 Employees, 3 facilities, Continuous learning, innovated, and contribute to our customers and the industry.

Built to improve

Xuanda use internal and external expertise, working together with customers and suppliers, to achieve a process architecture that fulfills the respective requirements. Site and Productions are certified in accordance with ISO9001, ISO14001, API, CE, we are committed to offer customers best performance products at all times.

Create for reliability

With our experienced design engineering team and state-of-art tools, we help major companies in corrosion related industries optimize their plants and process to achieve quality, greater reliability.

To find the right solutions, we are not only innovative and own patents of a series of



alloy products which cover most applications in corrosion related industries, but also to create more efficient utilization of energy and raw material with an outcome of producing greater reliability.

Featured products

Fully Metal-Seated Bi-Directional Butterfly Valves

Long life design • Sealing with torque • Fire safe design • Replacable seat/seal ring at site.

Teflon Lined Butterfly Valves

• Triple sealing: 1st Seat, 2nd O ring, 3rd Taper PTFE seal ring • Elastomer back-up inserted in body • Blow out proof one piece disc-stem • Self lubricating bushing • Double Belleville Springs • Inner-Outer surface with epoxy baked coating.



Company

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Website: www.xuanda.com



Zhejiang Boutique Valve Co., Ltd.

Zhejiang Boutique Valve Co., Ltd. is located in the "Township of the famous Chinese pump valve", and is a collection of product technology development, manufacturing, sales and service as one of the non regional enterprises.

We are one of the most professional manufacturers of valve parts in China. All high quality valve parts can be made according to customers' drawings by CNC.

Our feature products are valve body, valve cover, seat ring, seat gland, low cover, lower stem, terminal area, valve stem, valve ball, etc. We can produce all the parts according to the material and the drawing of the customer.

We also produce ball valves. All the valves conform to national and international advanced standards, such as ANSI, BS, DIN, GB, size:1/2"~48", class:150Lb-2500Lb, working temperature-196 degrees Celsius to 680 degrees Celsius, material including carbon steel, stainless steel, cryogenic service steel, special alloy: Inconel 625, F51, Monel, Titanium, Hastelloy, etc. With years of effort and good management, we have obtained API 6D, CE and fire safe API607 certificates.



Our company provides users with quality and safety, reliability and stability, reasonable price, timely delivery of products and satisfying service.

Products are widely used in petroleum, petrochemical, chemical, nuclear power, coal, chemical industry, set pipeline, gas, shipbuilding, metallurgy, etc. Products

exported to Europe, North America, Asia and other countries. Each procedure reflects a systematic process, the full implementation of computer-aided manufacturing, ensuring quality and ensuring that the limit of accuracy is meticulous by using the target management and ISO9001:2008 system quality assurance system, to make the quality of our company's goods to be trusted by the user.



Company Name:	Zhejiang Boutique Valve Co., Ltd.
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Website:	www.btq-valve.com

Zhejiang Cotech Valve Co., Ltd.

ZHEJIANG COTECH VALVE CO., LTD was established in 2005, located in the hometown of oversea Chinese Qingtian Lishui City, Zhejiang province, which is a vigorously innovative check valve specialist.

Our company comprises a well-equipped CNC machine workshop with full design, manufacture, inspection and test facilities. Through the constant development last decade, we have been well-known as wafer check valve market leader in China and abroad.

We have set up perfect quality management and acquired ISO 9001 certificate issued by LR (Lloyd's Register of Shipping), CE/PED certificate issued by LR, API594/API6D certificate issued by American Petroleum Institute, and Special Equipment Manufacture License issued by Zhejiang Provincial Administration of Quality and Technology Supervision, and we also have obtained several national invention patents on valve design and appearance.

We provide high performance check valves for petroleum, chemical engineering, metallurgy, light industry, power station, water supply system, oil transportation, natural gas and long distance transportation pipe projects. We mainly supply 5 sorts of standard and non-standard products, which the diameter range from DN15 to DN2200(1/2"- 88"),



nominal pressure ranges from 1.6Mpa to 42.0Mpa(150lb-2500Lb), and the operating temperature ranges from -196°C to 750°C. Valve material contains carbon steel, stainless steel, alloy steel, Monel, bronze and other special alloy material. Based on the excellent sales network domestic and abroad, we have internationally exported our products to all over 30 countries and regions. We win enviable

reputation with our steady quality, timely delivery, competitive price and perfect service.

"Scientific management, strict discipline, continuous improvement, never feeling satisfied, customer satisfaction, strive to create first-class enterprise" is not only the everlasting pursuit of Cotech, but also the sincere commitment to quality and service for wide range of end-users.



Company

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Phone: 0086 577 67989935
Fax: 0086 577 67989837
Email: engineering@wafercheck.cn
Website: www.wafercheck.cn



Zhejiang Victory Valve Co., Ltd.



Zhejiang Victory Valve Co., Ltd. was established in 1987. With total investment of 50 million USD, Victory currently has 300 professional technicians and engineers. Victory specializes in high pressure ball valves, check valves and high precision valve components, which are widely used in petroleum, chemical, natural gas, metallurgy, electric power, new energy, semiconductor and other industries.

- As a world leading valve manufacturer with construction area of 660,000 square feet, Victory owns three machining factories and two foundries with more than 100 sets of advanced and smart equipments, such as CNC vertical lathe, CNC machining center and advanced laboratory, which greatly reduce the labor cost and increase the production efficiency.
- Victory has been awarded State-Level High-tech Enterprise, and has more than 60 patents and utility patents. Victory has gained ISO9001

quality system certification, China pressure equipment TS certification, European Union CE certification, API6D, API6A, APIQ1, API9001, ISO 15848-1 certification.

- Victory's products are exported to USA, Canada, Europe, Australia, Asia and South America. The valve quality is highly praised by customers all over the world. Victory has built strong business relationship with World's Top 500 enterprises in oilfield services.
- Victory's management philosophy is to guarantee safety in production and to provide high quality products and service for customers on time.

Process Capacity

- Part Machining:
Size 1/4"-36"
Diameter up to 2m
Weight up to 8 ton
Connections: Thread/Butt Weld/
Socket Weld/Flange

- Assembling
- Inspection & Testing: Mechanical Testing, Chemical Analysis, Dimension Inspections, NDE
- Painting & Coating



Company

Name: Zhejiang Victory Valve Co., Ltd.
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 Development Zone
 Wenzhou
 China
Phone: 0086-577-86916666
Email: victory@victoryvalve.cn
Website: www.victoryvalve.cn

Zhejiang Xburs Measurement & Control Technology Co.,Ltd

XBURS supplies different kinds of valve gearboxes and valve actuators in high quality and at a favourable price. Zhejiang XBURS Measurement & Control Technology Co., Ltd. is a high technical manufacturer in China which specializes in research, development, production and distribution of valve actuators and various kinds of valve gearbox. Our products are widely used in ball valves, butterfly valves, gate valves, plug valves, etc.

With 80 team members over a land area of 10,000 square metres, we are located at the "Valve town" of Wenzhou Oubei. Our valve gearboxes and actuators are widely applied in many fields such as oil & gas, petroleum, chemical, electric power, metallurgy, water treatment, construction and other industries.

By introducing advanced techniques and adopting a scientific management system, we set up our R&D department, technology department, production department, QC department, marketing department, finance and other internal departments.

XBURS has a team of experienced, skilled, intensively studied and qualified researchers and engineers in management and production, from a wide variety of backgrounds.

Our mission is to provide gearboxes and actuators of high quality and cost effectiveness to maximise our customers' value. We persist in continuous improvement and product innovation to maintain our competitiveness.



XBURS

Company

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Website: www.xburs.com



Achieve your low emissions goals with Chesterton® 1622 valve packing.

Meet today's low leakage regulatory requirements with Chesterton Low E valve and flange sealing solutions.

Visit us at booth 633

www.chesterton.com/emissions



Calendar of events

28 – 29 August 2019

Valve World Expo & Conference Asia 2019

The Valve World Expo & Conference Asia 2019 is a major international event that will showcase valve products, accessories, and technologies, as well as providing a unique opportunity to meet and exchange ideas with major industry players, End Users, EPC contractors, manufacturers, service and technology suppliers, distributors, and researchers.

Location: Shanghai World Expo Exhibition & Convention Center, 1099 Guo Zhan Road, Pudong New Area, Shanghai 200126, China

Contact: Mrs. Li Xing (Quki)

Phone: +31 575 585 295

Email: x.li@kci-world.com

Website: <http://www.valve-world.net/vwa2019/valve-world-asia-2019.html>

3 – 4 October 2019

Flow Control Exchange India 2019

Flow Control Exchange India is a unique combination of technical conference, exhibition and workshops focusing on valves, actuation and all related technologies in flow control systems. Local and international suppliers and end users will embrace this opportunity to expand their business networks and technical knowledge.

Location: Bombay Convention & Exhibition Centre Goregaon (East), Mumbai, India

Contact: Mrs. Kay Creedon

Phone: +31 575 585 268

Tel.India: +91 771 8018 424

Email: k.creedon@kci-world.com

26 – 28 November 2019

Stainless Steel World 2019 Conference & Expo

The Stainless Steel World Conference & Exhibition is renowned as the foremost biennial gathering of the global stainless steel community, bringing together the highest concentration of experts and key stakeholders from across the engineering landscape and supply chain.

Furthermore in 2019 Stainless Steel World Conference & Exhibition will include celebrations for the 30 Year Jubilee of KCI Publishing and this year's event will include exciting networking activities and special program features.

Location: Exhibition & Congress Centre (MECC) Maastricht, The Netherlands

Conference: Mr. John Butterfield

Phone: +31 575 585 294

Email: j.butterfield@kci-world.com

Exhibition: Mrs. Elisa Hannan

Phone: +31 575 585 291

Email: e.hannan@kci-world.com

26 – 28 November 2019

26 – 28 November 2019

Machining World 2019

KCI Publishing is proud to launch Machining World, a three-day international exhibition for manufacturers, sellers and users of CNC

equipment, machining benches and other steel processing tools and equipment.

The inaugural exhibition 'Stainless Steel World Machining' will be incorporated into the Stainless Steel World Conference & Exhibition 2019. Hosting approximately 25 companies specializing in machines and tooling for the manufacture, fabrication, processing and finishing of stainless steels, this specialist section will provide a hands-on experience with live demonstrations throughout the event.

Are you a manufacturer or retailer of CNC equipment, machinery or tools? Then showcase your company, expand your international network and meet decision-makers and technical management at Machining World 2019.

Location: Exhibition & Congress Centre (MECC) Maastricht, The Netherlands

Contact: Mrs. Elisa Hannan

Phone: +31 575 585 291

Email: e.hannan@kci-world.com

Spring 2020

Stainless Steel World Japan 2020

The world's premier event will unite the corrosion resistant alloy community in Japan in spring 2020 and will, for the first time ever, will focus on the stainless markets and industries of Japan as well as other Asian countries with a bi-lingual conference and international exhibition.

Stainless Steel World Japan 2020 is a small scale, informative and excellent networking event. It aims to contribute to the development and expanding use of corrosion-resistant alloys as well as to a better understanding of the most recent trends in the fields of welding, fabrication, surface treatment and materials specification.

The technical conference, held in both English and Japanese, will offer an excellent opportunity for researchers, corrosion specialists, welding engineers, designers, manufacturers, stockists, architects and other industry professionals to share their experiences and challenges related to the use of stainless steel.

The exhibition will bring together manufacturers and stockists to showcase their products and services to an international audience.

Location: Tokyo, Japan

Contact: Ms. Kiyo Ichikawa

Phone: +31-575-789-260

Email: k.ichikawa@kci-world.com

Spring 2020

Managing Aging Plants Conference & Expo Japan 2020

Following the success of the Managing Aging Plants Conference & Expo held in Tokyo in 2018, the next conference & expo will be held in Tokyo in spring 2020. The conference will be presented in Japanese and English simultaneously. A large majority of the lectures will be given by invited speakers who are authorities in their particular field. They will address Managing Aging Plants from the perspectives of operators working in Japan including the whole Asia, Europe and America.

Location: Miraikan, Tokyo, Japan

Contact: Ms. Kiyo Ichikawa

Phone: +31-575-789-260

Email: k.ichikawa@kci-world.com

Your Engineered Solutions

For Industrial Valves



FBV INC.

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E sales@fbvalve.com

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ABOUT US

FBV Inc. is an ISO 9001 certified company specializing in manufacturing industrial valves including ball valves, gate valves, globe valves, check valves, plug valves and butterfly valves in carbon steel, stainless steel, duplex stainless and alloy materials. Our products conform to the latest industry standards in accordance to ANSI, ASME and API.

FBV today has over 600,000 square feet of manufacturing facilities. Through its conviction to provide only the finest quality products and services to match the need of our customers, FBV has now established itself as a serious player in the valve business.

FBV INC has sold worldwide in North America, Europe, South America, South Asia, Africa and the Middle East. We consider product quality and customer satisfaction as our highest priority. We look forward to new customer relationships by providing value, quality, customer service, honesty, integrity and the commitment to maintain product consistency with each and every order.

BERIC®

Genuine

**ENGINEERED.
TESTED.
READY.**



www.bericvalves.com

ASSOCIATIONS

ABS – American Bureau of Shipping

ABS serves its members and clients around the globe, with 200 offices in 70 countries worldwide. ABS is committed to setting standards for safety and excellence as one of the world's leading classification organisations. In a constantly evolving industry, ABS works alongside its partners tackling the most pressing technical, operational and regulatory challenges so the marine and offshore industries can operate safely, securely and responsibly.

Website: www.eagle.org

AENOR – Asociación Española de Normalización y Certificación

The Spanish Association for Standardisation – UNE and AENOR originate from the Spanish Association for Standardisation and Certification, created in 1986. Activities are divided between the two bodies, with UNE (a non-profit organisation) carrying out standardisation and cooperation activities. AENOR, a commercial entity, works in the field of conformity assessment and other related areas, such as training and the sale of publications. The two organisations' work contributes to improving the quality and competitiveness of companies, their products and services.

Website: www.aenor.es

Agoria

Agoria is one of Belgium's largest employers' organisation and trade association which represents and helps more than 1,600 companies in the technology industry.

Website: www.agoria.be

Agrival – ASOCIACIÓN NACIONAL DE FABRICANTES DE GRIFERÍA Y VALVULERÍA

The Spanish association, National Association of Manufacturers of faucets and fittings was founded in 1977 with the aim of promoting this industry in all its aspects. One of the association's main objectives is to encourage research and technical development of the sector so much of its activity is focused on the field of standardisation and certification of products.

Website: www.agrival.es

AIMMAP - Associação dos Industriais Metalúrgicos, Metalomecânicos e Afins de Portugal

AIMMAP, founded in 1957, is one of Portugal's most representative associations, whose main objective is to continually assist members by advising and helping them to

improve competitiveness and modernization. AIMMAP's task is to contribute towards the promotion and development of the sectors it covers, by giving technical support for professional training and technological and logistic assistance. The association's main objective is to foster a well sustained development in the sectors it covers.

Website: www.aimmap.pt

ANIMA – Federation of Italian Mechanical and Engineering Associations

ANIMA is the industrial organisation representing the interests of the mechanical industry in Italy. Founded in 1914, the federation numbers 60 associations and product groups and has more than 1000 associated companies. The federation promotes companies and products, both in Italy and abroad, alongside its members, in relation to technical and economic issues and is the most important initiative at national and international level for Italian mechanical and engineering companies.

Website: www.anima-it.com

API – American Petroleum Institute

The American Petroleum Institute (API) is the only national trade association that represents all aspects of America's oil and natural gas industry. More than 625 corporate members, from the largest major oil company to the smallest of independents, come from all segments of the industry. Whilst the institute's focus is primarily domestic, more recently its work has expanded to include a growing international dimension and today, API is recognised around the world for its broad range of programmes.

Website: www.api.org

ASNT - American Society for Nondestructive Testing

ASNT is the world's largest technical society for nondestructive testing (NDT) professionals. Through its organisation and membership, it provides a forum for exchange of NDT technical information, NDT educational materials and programs and standards and services for the qualification and certification of NDT personnel. ASNT promotes the discipline of NDT as a profession and facilitates NDT research and technology

Website: www.asnt.org

Austrian Standards International – Standardization and Innovation

Austrian Standards, established in 1920, is an important international hub for innovative know-how today.

The association forms part of an international network (a member of ISO, CEN and ETSI). More than 90% of standards are developed at European and international levels and Austria significantly contributes to these, making it possible for Austrian experts to set standards based on their innovative ideas internationally. The association brings know-how to where it's needed – to workbenches and research laboratories alike.

Website: www.austrian-standards.at

AVR - Italian Valve and Fitting Manufacturers' Association

AVR is the industrial trade association representing, at a national and international level, Italian companies in the sector. AVR is federated to ANIMA. Since 1952 AVR has played an important role in representing its members in their constant process of growth inside and outside Italy. Thanks to the characteristics of Italian production, AVR created a special trademark representing the features of member-companies' quality standards: experience, innovation, search for quality, after sales assistance and design. AVR companies operate within the fields of sanitary fittings, valves and fittings, industrial valves and actuators and fittings and components in a wide range of industries.

Website: www.associazioneavr.it

AWWA – American Water Works Association

Founded in 1881, AWWA is an international, non-profit, scientific and educational society dedicated to providing total water solutions, assuring the effective management of water. A membership of almost 50,000 includes over 3,900 utilities supplying around 80% of USA's drinking water and treat almost half the nation's wastewater and represent the full spectrum of the water community. AWWA has also helped establish two organisations dedicated to safe water: the Water Research Foundation in 1966 and Water for People in 1991. AWWA unites the diverse water community to advance public health, safety, the economy and the environment.

Website: www.awwa.org

BHR Group

Established in 1947 and privately owned since 1989, UK based BHR Group are specialists in understanding how fluids behave, interact with each other and with their surroundings. The Group take a problem

ASSOCIATIONS

solving approach to design, develop, validate and optimise processes for the benefit of clients, providing professional, impartial help and advice allowing clients to solve even the most complex of fluid engineering problems. Throughout its history BHR Group has developed intellectual property and made technology breakthroughs with a strong tradition of fluid engineering innovations, exploited as IP, spun-out as separate companies or otherwise licensed or sold.

Website: www.bhrgroup.com

BSI – British Standards Institution

Since its foundation in 1901 as the Engineering Standards Committee, BSI Group has grown into a leading global business services organisation providing standards-based solutions with 76 offices worldwide, serving over 80,000 clients in 182 countries. It was awarded a Royal Charter in 1929. It is an independent, private, non-profit distributing company which helps organizations improve their quality and performance, reduce their risk, manage and protect their reputations, and help them be more sustainable.

Website: www.bsigroup.com

Bureau de Normalisation – NBN

NBN is responsible for developing and selling standards in Belgium. In addition, NBN organises training on the use of management standards. Together with its sector operators, NBN acts as the Belgian knowledge centre for all activities related to standardisation and plays a societal role by helping companies, consumers, public authorities and other stakeholders to strive for greater quality within an international competitive context. They do so by offering services related to the development, publication, dissemination and use of standards.

Website: www.nbn.be

BVAA – British Valve & Actuator Association

Established in 1939 the BVAA represents the interests of over 200 British valve and actuator companies which are responsible for over £1 billion sales each year. Member companies employ more than 9,000 personnel directly in manufacturing and an equal number in support industries. The association's aim is to be the voice of the industry while creating value for members by providing excellent business networks, new business opportunities, industry recognised training, technical expertise and influence. BVAA is also active in communal marketing, business development, business management and related support. Membership is

open to companies registered in the UK who manufacture, distribute or repair valves, actuators and related products.

Website: www.bvaa.org.uk

CCPIT – China Council for the Promotion of International Trade

The aims of the CCPIT are to operate and promote foreign trade, to use foreign investment, to introduce advanced foreign technologies, to conduct activities of Sino-foreign economic and technological cooperation in various forms, and to promote the development of economic and trade relations between China and other countries and regions around the world.

Web: www.bizchinanow.com

CEDIGAZ

CEDIGAZ is an international, not for profit association dedicated to natural gas information. It was created in 1961 by a group of international gas companies and the Institut Français du Pétrole (IFP) nouvelles and is considered a key source of unbiased fundamental industry data. CEDIGAZ has around 80 members in 40 countries, associating most of the leading international oil and gas companies, national and international organisations, banks, consultants, engineering companies and equipment suppliers.

Website: www.cedigaz.org

CEIR (European Association for the Taps and Valves Industry)

CEIR was formed in 1959 as the European federation of national manufacturer associations. It gathers together a large number of European manufacturers in the field of valves and fittings and supports the principles of a free economy and private enterprise in Europe as well as on a global basis. CEIR represents the common economic, technical and scientific interests of the European valve industries, in particular towards international authorities and economic and commercial circles.

Web: www.ceir.eu

CEWAC

CEWAC is a Belgian research centre performing services, studies and research for companies, especially for SMEs. It realises calculations, modelling, conception and design in the fields of welding and fluid mechanics. It offers consultancy and technical advice in these fields and in the field of vacuum and ultrahigh vacuum. It assists companies during the development of technological demonstrators and/or industrial prototypes up

to the realisation of pilot lots. Other services include quality control, guidance on welding procedures and welder qualifications, conception and realisation of test stands for customized tests (and associated procedures), technology audits and experts' reports.

Website: www.cewac.be

Commission on Air Pollution Prevention (KRdL) of VDI and DIN

The scope of the Commission on Air Pollution Prevention of VDI and DIN - Standards Committee KRdL comprises all questions within the field of air quality, e.g. origin and prevention of emissions, questions of waste disposal and solid waste, thermal use, environmental meteorology, effects of pollution and techniques for emission and ambient air measurement as well as waste gas cleaning and dust separation technologies including operation and maintenance of corresponding plants within the field of environmental protection. In this context especially requirements of plant-related, crossmedia, integrated and ecological environmental protection are considered.

Website: www.din.de

CTI – Castings Technology International

CTI is a leading provider of technology, expertise and services to the cast metals sector and global supply chain. Their primary aims are to research and resolve advanced manufacturing problems. They are a member-based organisation with over 300 members in 30 countries ranging from multi-national aerospace giants to local SMEs. With expertise in casting design, materials development and selection, specifications, manufacturing technologies, quality control, testing and performance CTI employs around 60 highly qualified researches, engineers and technicians, at their purpose built centre in south Yorkshire, UK.

Website: www.castingstechnology.com

DS – Dansk Standard

Danish Standards is the national standards organisation in Denmark. It is a non-profit commercial organisation that develops and publishes standards, provides training and offers consultancy. The profits are ploughed back into the development of new activities for the benefit of society and the corporate sector. DS contributes to the work of European organisations CEN, CENELEC and ETSI, and the international standardisation organisations ISO and IEC. Their primary fields of activity include: Standardisation Consultancy, Sale of standards and handbooks, Courses and conferences and Ecolabelling.

website: www.ds.dk

ASSOCIATIONS

DVM – German Association for Materials Research and Testing

Founded in 1896, the German Association for Materials Research and Testing (DVM) is a non-profit organisation which promotes knowledge transfer and networking in the wide area of materials research and structural integrity. DVM offers a contact forum for intersectoral exchange between science and technology, universities and industry as well as basic research and application. The DVM working groups organise technical-scientific events focused on the respective areas of expertise in materials testing.
Website: www.dvm-berlin.de

DVS Deutscher Verband für Schweißtechnik

DVS is a technical-scientific, non-profit making society headquartered in Düsseldorf. Its purpose is to promote welding and allied processes for the benefit of the general public and is active in the interests of its members and the German economy. DVS sets standards for research and development, training, examination certification, quality assurance, advice and assessment, technology transfer, standardisation, safety at work and health protection as well as environmental and resource protection. It is a forerunner on matters relating to the joining, cutting and coating of metallic and non-metallic materials and composite materials. The organisation has 75 district branches, 14 state branches and more than 340 educational facilities, working with over 2.300 specialists in more than 200 subject-oriented working bodies of the Technical Committee.
Website: www.die-verbindungs-spezialisten.de

EFC (European Federation of Corrosion)

Registered in Belgium, the EFC is a federation of 38 organisations (Member Societies and Affiliate Members) with interests in corrosion, based in 25 countries in Europe and beyond. Taken together, its Member Societies represent the corrosion interests of more than 25,000 engineers and scientists. Founded in 1955, its aim is to advance the science of the corrosion and protection of materials by promoting cooperation in Europe and collaboration internationally. The EFC accomplishes its most important activities through 20 active working parties devoted to various aspects of corrosion and its prevention.
Website: <http://www.efcweb.org>

ELOT S.A. – Hellenic Organization for Standardization

The Hellenic Organisation for Standardization was established in 1976 as a non-profit legal entity under private law, subsidised by the State and supervised by the Minister of Indu-

stry. Since 1997, ELOT has operated as “Société Anonyme”, with the title ELOT S.A., under the supervision of the Minister of Development. Standardisation is one of ELOT’s main activities. Their work includes preparing, issuing and promoting the implementation and use of national standards and standardisation documents.
Website: www.elot.gr

EPRI – Electric Power Research Institute

EPRI conducts research, development, and demonstration projects relating to the generation, delivery and use of electricity for the benefit of the public in the US and internationally. An independent, nonprofit organization, EPRI focuses on electricity generation, delivery and use to enhance the quality of life by making electric power safe, reliable, affordable and environmentally responsible. Membership currently represents around 90% of the electric utility revenue generated in the US and extends to participation in more than 35 countries. Over 1,000 organisations worldwide support the institute’s work. Its members help, through advisory roles, inform the development of EPRI’s annual research portfolio, identify critical and emerging electricity industry issues and support the application and technology transfer of EPRI’s research and development.
Website: www.epri.com

European Sealing Association (ESA)

Established in 1992, ESA is an international association of Companies which supply fluid sealing devices. It represents an important industry involved in emissions reduction, energy savings, employee and public safety. Its website provides access to the world-leading knowledge base of the sealing industry, to help users select, install and utilise the most appropriate sealing solutions for their applications. ESA is registered as a non-profit making trade association, representing the manufacturers and suppliers of sealing devices materials. ESA members represent a strong majority of the sealing industry in Europe and are committed to working towards development of appropriate standards; development of appropriate legislation; development of sealing technology.
Website: www.eurosealing.com

FAI – The Fertiliser Association of India

The Fertiliser Association of India (FAI) is a non-profit and non-trading company representing fertiliser manufacturers, distributors, importer, equipment manufacturers, research institutes and suppliers. The association was established in 1955 with the objective of bringing together

all concerned with the production, marketing and use of fertilisers. The association’s prime task is ensuring food security through balanced and efficient use of plant nutrients.
Website: www.faidelhi.org

FEDIL – Industrie Luxembourgeoise de la Technologie du Métal

Founded in 1918, FEDIL is a multisectoral business federation giving a voice to industrials and entrepreneurs, fostering Luxembourg’s economy. Today FEDIL represents 550 members, 37 sectors and 19 sectoral associations. The association offers high-quality support via a dynamic network whose mission is to support current and future members in their decision-making process and development towards the future; to create the best synergies around developing members’ projects in Luxembourg and internationally; to promote a constructive dialogue with the stakeholders of their ecosystem in Luxembourg and to accompany members in the preparation of their future, contributing to the sustainable growth of the country.
Website: www.fedil.lu

Fengjie Valve Inspection

Fengjie Valve Inspection began operating in 1997. It specializes in valve inspection and production supervision. Fengjie’s missions are to stimulate sustainability and awareness; make a continuous contribution to worldwide efforts for a safer, cleaner environment; actively encourage valve manufacturers to upgrade their quality systems; improve quality stability of valves from China; enable valve buyers to make timely, correct decisions for their purchases in China, based on timely and clear service reporting; assist valve buyers and end users to achieve cost efficiency.
Website: www.valveinspection.com

FieldComm Group

FieldComm Group began operations in 2015 by combining all assets of the former Fieldbus Foundation and HART Communication Foundation. It is a global standards based, non-profit member organisation consisting of process end users, manufacturers, universities and research organisations working together to direct the development, incorporation and implementation of communication technologies and ongoing development of FDI technology. Membership is open to anyone interested in the use of technologies. In addition to HART and FOUNDATION Fieldbus communication technologies, FieldComm Group is responsible for ongoing development of Field Device Integration Technology.
<https://www.fieldcommgroup.org>

ASSOCIATIONS

FME

FME is the largest organisation in the Netherlands representing employers and businesses in the technological industry. The organisation actively protects its members' interests nationally and internationally, provides services to individual member companies and clusters of member companies, and supports 60 trade associations FME has bundled its knowledge and experience. FME employs experienced experts who have advised thousands of companies on such wide-ranging matters as labour, environment, energy, international business and technology.
Website: www.fme.nl

FSA – The Fluid Sealing Association

Founded in 1933, the FSA is an international trade association. Member companies are involved in the production and marketing of a wide range of fluid sealing devices primarily targeted to the industrial market. The Association's mission is to be recognized as the primary source of technical information, to influence and support the development of related standards and to provide education in the fluid sealing area. To promote a safe, clean environment and a safe work place for employees. To monitor the economic, environmental and social changes which may impact on members' business and to maintain a forum for the exchange of this information.
Website: www.fluidsealing.com

Gas Association of Serbia and Montenegro

The Gas Association of Serbia and Montenegro is a voluntary technical organisation of engineers and other experts involved with gas and gas mixtures. The association is a non-factionous, non-profit organisation, registered by the Federal Ministry of Economy, willing to cooperate with all technical and other institutions as well as individuals who are interested in technical issues in the field of gas and gas technology. The aim of the association is to promote the engineering and economic progress of the gas industry in Serbia and Montenegro.
Website: www.gasas.org.rs

GFA – Gasket Fabricators Association

GFA is a trade association of members dedicated to providing custom fabricated components and materials for use in industrial, electronic and medical applications worldwide. Its membership is composed of the foremost companies in the industry, and includes many of the smaller specialised product fabricators. GFA offers regular, productive opportunities for members to network, share ideas and support each other.
Website: www.gasketfab.com

GfKORR

GfKORR, Society for Corrosion Protection, is a federation of corrosion experts from industry and academia working in all fields of corrosion science with the aim of avoiding corrosion and its negative consequences. GfKORR is devoted to the support of corrosion research and the dissemination of knowledge of corrosion protection in all relevant fields.
Website: www.gfkorrr.de

IPQ – Instituto Português da Qualidade

IPQ is a public Institute which, as part of the indirect administration of the State, has as its mission the coordination of the Portuguese quality system, the promotion and coordination of activities aimed at demonstrating the credibility of the actions of economic agents, as well as the development of activities necessary for its functions as National Institution of Metrology and National Standardization Organization.
Website: www.ipq.pt

ISA

Founded in 1945, the International Society of Automation is a leading, global, nonprofit organization that is setting the standard for automation by helping over 40,000 worldwide members and other professionals solve difficult technical problems, while enhancing their leadership and personal career capabilities. ISA develops standards; certifies industry professionals; provides education and training; publishes books and technical articles; and hosts conferences and exhibitions for automation professionals. ISA is the founding sponsor of the Automation Federation.
Website: www.isa.org

ISER – Informationsstelle Edelstahl Rostfrei

ISER is a joint organization of companies and institutions from the fields of stainless steel production, trade and processing, surface finishing and alloys. Its tasks include company-neutral information on the properties and applications of stainless steel.
Website: www.edelstahl-rostfrei.de

ISO – International Organization for Standardization

Founded in 1946, and officially operating since 1947, ISO is an independent, non-governmental, international organisation with a membership of 162 national standards bodies. Its aim is to facilitate the international coordination and unification of industrial standards. Through its members, it brings together experts to share knowledge and

develop voluntary, consensus-based, market relevant International standards that support innovation and provide solutions to global challenges.
Website: www.iso.org

ITA (International Titanium Association)

ITA is a membership based international trade association dedicated to the titanium metal industry. Established in 1984 the association's main mission is to connect those interested in using titanium with specialists across the globe for sales and technical assistance. ITA seek to expand the knowledge base for the metal, providing literature and sponsoring conferences. They look to educate engineers, designers and business executives on titanium's properties and strive to advance ideas in research, design, metallurgy and engineering as well as providing a forum for the exchange of ideas within the industry.
Website: www.titanium.org

Japan Valve Manufacturers' Association Ltd

Japan Valve Manufacturers' Association was established in 1954 with the participation of major domestic valve manufacturers for contributing to the expansion and advancement of the Japanese valve industry. Since then, the association has implemented programmes for this expansion via continual adjustment to changes in the economic environment. Today the association comprises 116 companies as regular members and 63 associate members. Meeting groups and committees are divided into: general purpose valves; automatic valves and faucet/flush valves. Committees are set up for the deliberation of important issues to ensure the implementation of various measures and programmes.
Website: www.j-valve.or.jp

Jernkontoret

Jernkontoret (the Swedish Steel Producers' Association) safeguards the interests of the Swedish steel industry through working actively to ensure the best possible preconditions for operations in Sweden. The association endeavours to maintain a high reputation for credibility with member companies, politicians, public authorities, research and educational institutions and the general public as well as being a dependable consultation partner. It is a significant builder of networks, both on the national and international stage.
Website: www.jernkontoret.se

ASSOCIATIONS

MCAA – Measurement, Control & Automation Association

The MCAA is the national trade association representing leading manufacturers and distributors of instrumentation, systems and software used in industrial process control and factory automation around the world. Member companies include leading multi-national companies together with more niche-oriented providers. MCAA helps the management teams of process and factory automation product and solution providers run and grow successful businesses by offering timely, unique and highly specialised resources acquired from shared management benchmarks and strategies where proprietary company information is secure. Website: www.measure.org

Metaltechnology Austria

Metaltechnology Austria is the national representation of all enterprises active in mechanical and plant engineering, steel construction and metalware production. The main task of the association consists of working on legal and economic framework conditions, ensuring the companies of Metaltechnology Austria can compete successfully on a global level. The association mainly acts as a pressure group, an information and service office and provides support for individual concerns and questions. Website: www.fmmi.at

MSS – Manufacturers Standardization Society

Officially founded in 1924, the MSS of the valve and fittings industry is a non-profit technical association organised for the development and improvement of industry, national and international codes and standards for valve, valve actuators, valve modification, pipe fittings, pipe hangers, pipe supports, flanges and associated seals. Website: www.msshq.org

NAP

NAP is a Dutch knowledge network organisation, a platform within the process industry consisting of asset owners, engineering firms and suppliers. It aims to inspire its participants in formulating policies to be pursued, both individually and collectively, striving to strengthen the structure, vitality and sustainability of the process industry in the Netherlands. NAP was established in 1960 by the Dutch Chemical Industry Association and the FME Association, the industry association for the metal and electrical industry. Website: www.napnetwork.nl

NITO

NITO – The Norwegian Society of Engineers and Technologists, is the largest union for engineers and technologists with Bachelor, Master or higher qualifications, in Norway, with over 86 000 members. Website: www.nito.no

NPAA (Scientific & Industrial Valve Manufacturers Association)

Founded in 1990, NPAA incorporates more than 60 main design companies, pipeline valve and actuator manufacturers and suppliers from Russia, Ukraine and Kazakhstan. In 1993 NPAA became a member of the European Committee for the Valve Industry (CEIR) and cooperates closely with various other organisations. Activities include coordinating valve manufacturers' activity; organizing technical regulation in the valve industry; marketing and economic analysis of the valve industry; preventive actions against counterfeit valves and actuators; organizing and participating in seminars and conferences and exhibitions. Website: www.npa-arm.org

NSAI – National Standards Authority of Ireland

As Ireland's Official standards body, NSAI aims to inspire consumer confidence and create the infrastructure for products and services to be recognized and relied on worldwide. NSAI helps companies apply existing standards and works with relevant parties at national or international level to create and develop appropriate standards. By this means NSAI improves the performance of Irish business and protects consumers. NSAI are the national certification authority for CE Marking and provide a certification service to enable business demonstrate that Irish goods and services conform to applicable standards. Website: www.n sai.ie

Polish Industrial Valves Association (SPAP)

Established in 1996, SPAP's fundamental aim is the promotion of Polish industrial valves and the concentration of Polish producers in order to be more effective in facing competition from foreign companies. The association participates in branch fairs, technical conferences arranging, presentations for biggest valves users, advertising in branch magazines, cooperation with international and foreign valve organizations such as CEIR, NPAA (Russia) and APAAU (Ukraine) and other promotion forms depending on needs. SPAP consists of various

leading Polish industrial valves and seals manufacturers. Website: <http://www.spap.org.pl>

PrimoTek Associates Limited

PrimoTek Associates is a multi-disciplined, independent marketing and engineering consultants in the UK, specialising in technical and commercial support to valve manufacturers, distributors and equipment manufacturers in the HVAC and plumbing sectors of the commercial construction market, as well as the process and industrial sectors. The company's knowledge and expertise is focused on, but not limited to, the commercial valve industry, including fittings, pipes and sanitary equipment. Website: www.primotek.co.uk

PROFLUID

Established over 110 years ago PROFLUID is the French association of pumps and agitators, valves and compressors. By ensuring a continuous watch of regulations and the economy the association helps anticipate challenges and defends the interests of its members on regulatory, technical or economic issues. PROFLUID is a member of the Federation of Mechanical Engineering Industry, playing an active role in several market-specific associations (GIFIC: the French Association of Equipment Suppliers for the Chemical Industry; GIIN: the French nuclear industry association etc.). On an international level, PROFLUID representatives chair Committees for Standardisation (CEN and ISO) and are active members of the sector based European committees (Europump, Pneurop and CEIR). Website: www.profluid.org

SASSDA – Southern Africa Stainless Steel Development Association

SASSDA is one of the most active stainless steel industry associations in the world and has, since 1964, been involved in increasing the awareness and use of stainless steel in Southern Africa. The organisation provides a platform for SASSDA members to collectively promote the sustainable growth and development of the industry with the main emphasis on stainless steel converted within the South African economy. SASSDA also provides a comprehensive list of services to its member base including technical information and advice, education, training and skills upgrading, a range of publications and marketing, industry and business development support. Website: www.sassda.co.za

ASSOCIATIONS

SIGTTO

The Society of Gas Tanker and Terminal Operators was formed as an international organisation through which all industry participants might share experiences, address common problems and derive criteria for best practices and acceptable standards. The purpose of the society is to promote shipping and terminal operations for liquefied gases which are safe, environmentally responsible and reliable. It proactively develops best operating practices and guidelines; sustains a learning environment by sharing lessons learned; promotes training and development within the industry and fosters mutually beneficial relationships with regulatory authorities and other stakeholders.

Website: www.sigtto.org

SIS – Swedish Standard Institute

SIS is a member-based, non-profit association specialized in coordinating standardisation in Sweden. SIS represents Sweden in the European standardisation organisation CEN and the global organisation ISO. The institute is recognized for its professionalism, expertise and openness in relation to customers, employees, suppliers and partners.

Website: www.sis.se

SNV

The Swiss Association for Standardization is a provider of information services driven by the future. It defends the interests of business and society in Switzerland and works for their benefit. As a direct representative of global and European standardisation efforts (through the ISO and CEN respectively), the association is Switzerland's interface with various other national and international standards networks, bridging the gap between standardisation experts and users of standards.

Website: www.snv.ch

Society of Maritime Industries (SMI)

SMI is the voice of the UK's maritime engineering and business sector promoting and supporting companies which design, build, refit and modernise ships, and supply equipment and services. SMI provides a wide range of activities both internationally and in the UK for the benefit of the maritime engineering business community. Members' interests are represented by councils focusing on the markets in offshore energy, marine science and technology, commercial maritime operations, ship building, repair and equipment, naval platforms, systems and equipment, maritime autonomy, maritime security and safety, and ports and terminals infrastructure.

Website: www.maritimeindustries.org

SSG

With the aim of making the industry more efficient, safer and more sustainable, SSG gathers industrial knowledge and creates standardised services, as they have been doing since the mid-1950s. With ten committees of approximately 60 working groups and comprising around 500 experts with practical experience from Swedish industry, the organisation creates standardised solutions for common problems, rooted in the daily life of the process industry. The committees continually monitor developments in the community, markets and industries and draft proposals for common standardised solutions to shared problems.

Website: www.ssg.se

STI/SPFA

STI/SPFA is a trade association representing fabricators of steel construction products and their suppliers. Member companies produce steel storage tanks, field erected water tanks, pressure vessels, heat exchangers, pipe and pipelines. Their customers are from the petrochemical, power generation, food, pharmaceutical, fuels, wastewater and water transmission industries. STI/SPFA brings to its members the benefits of association with two internationally respected organisations in the steel fabrication industry – the Steel Tank Institute (1916) and the Steel Plate Fabricators Association (1933), which merged to become STI/SPFA in 2004.

Website: www.steeltank.com

SWISS INOX

SWISS INOX Information Center for stainless steels is open for membership to all companies in Switzerland or the Principality of Liechtenstein involved in the manufacture, trade, processing and development of stainless steels. SWISS INOX aims to promote the use of stainless steels in all areas. The association offers an extensive collection of publications and material information, as well as advice on individual questions. They also hold training sessions on a variety of topics.

Website: www.swissinox.ch

Syndicat National de la Chaudronnerie (SNCT)

The aim of the French National Union of Boilermaking, Piping and Industrial Maintenance, SNCT, is the study and defence of the rights, material and moral interests, collective and individual, of persons covered by its statutes. The organisation's main mission is to represent the boilermaking profession and thus strengthen the weight and influence of companies in respect of their national and international environment. SNCT is the interlocutor of the public authorities, be they the National Administration or the European Commission.

Website: www.snct.org

Taiwan Association of Machinery Industry (TAMI)

TAMI began in 1945 under a different name and in recent years has intensively conducted machinery export promotion delegations, as well as trade fairs in domestic and international market places. TAMI helps to increase the competitiveness of its 2,700 company members in the international market place. A multilingual online business platform, TAMINet is geared towards machinery promotion, helping members to offer quotes and providing technical information.

Website: www.tami.org

The Petroleum Institute

The Petroleum Institute was created in 2001. It offers first class engineering education and research in areas of significance to the oil and gas and the energy industries in order to support and advance the petroleum and energy industries. The Institute is committed to academic excellence, and to fostering an intellectual environment that leads to the development of graduates as whole persons and as future leaders in their respective fields of expertise in the United Arab Emirates and beyond.

Website: www.pi.ac.ae

UK Gasket & Sealing Association

The UK Gasket & Sealing Association (UKGSA) is a trade association representing the specialised interests of companies engaged in the conversion of materials into gaskets and seals for all types of industrial use. Its role includes, amongst other things, increase and dissemination of knowledge and new developments and facilitating exchange of information and ideas.

Website: www.gassociaation.co.uk

UNI – Italian National Unification Body

UNI is a private, non-profit association that has been developing and publishing voluntary technical standards in all industrial, commercial and tertiary sectors for almost 100 years. UNI represents Italy in European and worldwide standardisation organisations to promote harmonisation of rules necessary for the functioning of the single market and supports and transposes the peculiarities of the Italian way of producing in specific techniques that enhance the national experience and tradition.

Website: www.uni.com

UNM – Union de Normalisation de la Mécanique

UNM is the sectorial standardisation office of the French standardisation system in the field of mechanical engineering and rubber indu-

ASSOCIATIONS

stries, operating on behalf of AFNOR. The office provides knowledge of standardisation and the necessary logistics, and ensures that normative documents are published for the benefit of experts. The goal of UNM is to develop and promote standardisation in all its forms in the mechanical engineering and rubber industries to improve the quality and safety of products, taking into account societal and environmental concerns. Website: www.unm.fr

USPI-NL

Stichting USPI-NL is a formal, non-profit association of process industry companies with the mission to develop, maintain and promote the use of international standards and best practices for product and plant life cycle information. Website: www.uspi.nl

Utilities Service Alliance (USA)

USA is a not-for-profit cooperative designed to facilitate collaboration among its member utilities, to work together to reduce operating and maintenance costs, improve safety and performance and provide innovation and leadership within the nuclear power industry. Website: www.usainc.org

VDMA

VDMA, a German valve manufacturers' association, was founded in 1982, to represent the issues of the mechanical and plant engineering sector in Germany and Europe. Its technical expertise, industry knowledge and straightforward positioning make it a recognised and valued point of contact for companies as well as the general public, science, administration and policy makers. The VDMA represents more than 3200 member companies. Website: www.vdma.org

VMA – Valve Manufacturers Association of America

Founded in 1938, the VMA represents the interests of North American manufacturers of valves and actuators. Collectively, members account for the majority of the total industrial valve shipments sold out of US and Canadian facilities. VMA is the only organisation exclusively serving US and Canadian manufacturers of industrial valves, actuators and controls. Website: www.vma.org

WIB – Process Automation Users' Association

Founded in 1963, WIB is an international association of end-users of components, systems and IT related items in the process industries, mainly located in the Netherlands and Belgium. Initially formed by a group of 6 members to share efforts and costs to technically evaluate performance measurement and control equipment entering the market, membership has grown to around 40. WIB's activities have evolved to include extensive technical knowledge sharing about technical opportunities and applications, as well as discussions with vendors and authorities on implementation and interpretation of rules and legislation. Website: www.wib.nl

WWEMA Water and Wastewater Equipment Manufacturers Association

WWEMA is a non-profit trade organization founded in 1908, serving as the voice of water and wastewater solution providers. As a memberdriven organisation, it is made up of many of the most prominent and influential companies in the industry who are working together to advance the interests of their individual businesses as well as the water industry as a whole. Its mission is to inform, educate and provide leadership on issues which affect the worldwide water and wastewater equipment industry. Website: www.wwema.org

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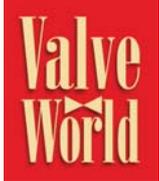
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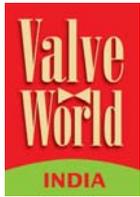
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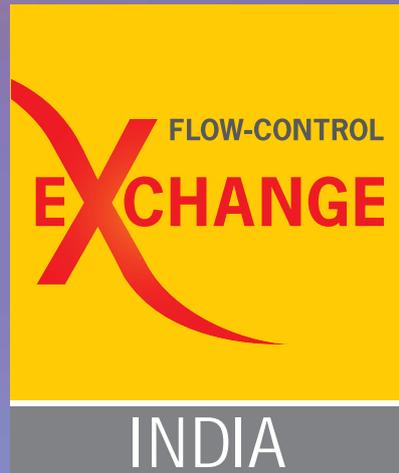
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ANIX VALVE USA			■			■	■	■						■		■	■	■	■	■			
ASCEND TORQUE Flow Controls Co., Ltd.				■				■			■		■	■	■					■	■		■
Australian Pipeline Valve		■				■			■		■			■	■	■		■	■				■
AW Chesterton Co						■			■		■	■	■	■	■	■		■	■				
Carrara Sealing Global Solutions									■		■		■	■	■	■		■	■	■	■		
Castflow Valves sl		■					■				■									■			■
Changzhou Heighten Automation Equipment Co., Ltd.			■			■			■							■	■	■	■	■	■	■	■
Chaoda Valves Group Co., Ltd.						■			■		■		■	■	■	■		■	■				
CIRCOR International	■			■	■	■		■	■	■			■	■	■	■	■	■	■	■	■	■	■
Comeval Valve Systems						■					■			■		■		■			■		■
Control Seal B. V.						■			■				■	■	■	■					■		
CTS Valves						■			■		■		■	■	■	■		■					
DAC Technologies BV						■			■		■	■	■	■	■			■					
Datong Reciprocity Group Co., Ltd.				■					■	■		■	■	■	■	■	■	■	■	■			
FBV Inc.,						■			■		■		■	■	■	■		■	■	■	■		
FERESPE – Fundação de Ferro e Aço, Lda.		■		■		■			■		■	■	■	■	■	■		■	■	■	■	■	■
Global Supply Line Pty Ltd.									■		■		■	■	■			■	■				
Goodwin International						■		■	■		■	■	■	■	■	■	■	■	■	■	■		
INOX MECC SRL						■							■	■	■	■		■			■		
INOXYDA							■					■	■	■	■	■		■			■		
J.D. Jones & Co.(P) Ltd.						■						■	■	■	■	■	■	■	■	■			■
Kingdom Flow Control Co., Ltd.,						■		■	■		■			■	■	■	■				■		
Maverick Valves B.V.				■		■			■		■		■	■	■	■			■				■
Mechanical Advantage Corporation	■					■	■		■				■	■	■	■		■			■		■
Metso Flow Control Oy.		■				■			■					■		■		■	■				
MRC Global		■		■	■			■	■		■	■	■	■	■	■	■	■	■	■	■	■	■
NOREVA GmbH						■			■		■	■	■	■	■	■		■			■		
Penglai Huande Steel Valve Co., Ltd.			■			■		■	■		■			■						■			■
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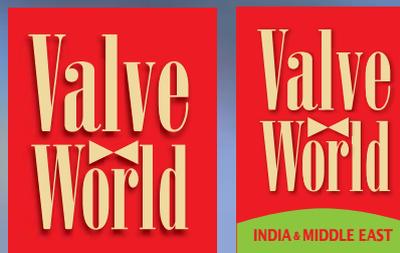
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