

Top tier products for an international market



Low emission testing of Neway ball valve.

Neway is a global leader when it comes to ensuring valves meet today's stringent emissions requirements. With a cutting-edge R&D team, advanced fugitive emissions testing equipment, and over 80 agents and distributors worldwide, it is clear why Neway takes the lead in a competitive market. Valve World had the opportunity to discuss how Neway plans to stay ahead in the ever-changing world of fugitive emissions.

By Sarah Schroer

"Neway, along with our industry partners, recognizes that continuous improvement and being responsible stewards of the global environment are of paramount importance," says Shelby Coleman, President of Neway Valve International, Inc. "We strive to manufacture products that meet and surpass the demands of industry requirements for safety, quality, and reliable

performance. A safe product applies to the health and welfare of the operators, as well as our environmental footprint."

Leaders in fugitive emissions technology

Neway is a leader in fugitive emissions technology. They have taken charge to ensure that their clients' low emissions

needs are met. Neway has designed and certified multiple product lines to meet current industry standards. Their API 600 valves, for example, finalized emission testing at United Valve to API 624 first edition, achieving sub 10 ppm emission levels. To ensure compliance as EPA standards become more stringent throughout the oil & gas industry, certified witness testing has also been proactively completed for the full recommended range of API 623 globe valves, API 603 gate valves, and API 602 forged gate and globe valves. For valves outside the scope of API 624, Neway can also provide its customers various special stem sealing arrangements tested to ISO15848-1, TA-LUFT, and more. As regulations set forth by the EPA continuously evolve, many end users have stringent requirements for sourcing low emission products from their suppliers.

Neway's commitment to safety and quality, coupled with 360° support and service, provides clients with first class products to meet their fugitive emission requirements. Their products come with a competitive price, are designed, manufactured, inspected, and tested in accordance with customer specifications and the latest industry standards.

Global Outreach

As China's largest industrial valve manufacturer, Neway's mission is to provide its partners and clients with complete solutions for all industrial valve applications. With its state of the art production base, three vertically integrated casting plants, advanced R&D center and testing facility, Neway ensures the highest quality standards while controlling each phase of its manufacturing process from raw material to finished product.

With their roots established in China since 1997, Neway has grown quickly over the past 18 years to become a truly international company. Neway's strategy for global expansion includes a worldwide distribution network, and the establishment of corporate offices in China, USA, Brazil, Netherlands, Italy, Singapore and UAE.

The Neway global growth plan is to continue supplying high quality products at a balanced commercial level for sustainable economic results and to develop and/or widen their product range according to the needs of their customers. The company strives to continuously provide additional value and benefits in the market place to strengthen their position as a global leader. This commitment to developing new technology, concepts, and innovations is in line with the company's philosophy of literally being a "new way" to provide solutions to the valve industry.

Investing in innovation

On the path to become a leading supplier to the global valve industry, Neway has established itself as one of the most recognized brand names in the valve community. Having successfully become the preferred supplier of valve solutions to many world class end users and EPC companies, Neway serves most major industries including Oil, Gas, Refining, Chemical,

Power Generation, Marine, Pipeline Transmission, and Nuclear. Neway's broad scope of products can deliver quality valves to meet the most demanding and difficult service requirements.

"Neway strives to introduce and reach new markets with quality performing products that are competitive, meet client expectations, and offer innovative designs," shares Mr. Coleman. "With less than two decades in the valve industry, Neway's growing R&D investments allow new product development to reach far beyond the company's initial entry into the Refining and Chemical market. Our Sub-Sea, Cryogenic, and Mid-Stream products are new additions giving Neway the recognition of a truly engineered products company."

Their cryogenic ball valves have earned a reputation for reliable sealing performance, low operating torque, cryogenic-stability, and a long lifespan. It is one of the most important pieces of flow control equipment in Liquefied Natural Gas (LNG), Air Separation, Ethene, and LPG applications. Neway's cryogenic ball valves are designed as per ISO17292, API6D, BS6364, and Shell SPE 77/200 meeting all ambient, cryogenic, and fire-safe testing requirements. Neway is currently supplying cryogenic valves to various projects across the globe such as Yamal LNG, Freeport LNG, Gorgon LNG, and Cove Point LNG.



Neway gate valve with API 624 nameplate



Neway cryogenic ball valves

Neway has also successfully delivered critical Oxygen Service valves to the Qatar Shell Pearl GTL Plant – the world’s largest plant to turn natural gas into cleaner-burning fuels. As high purity oxygen is one of the key raw materials in the gas-to-liquid process, the Pearl

GTL plant is equipped with several high-purity and high pressure gaseous oxygen and liquid oxygen units. Due to the high risks associated with oxygen, Shell’s Global Solution Team partnered with Neway to set up stringent technical and quality specifications for oxygen service valves – much stricter than the general air separation industrial standards. The successful delivery of the Shell Critical Oxygen Service Valves is a milestone

“Neway’s vision is to be the global leading manufacturer of industrial valves.”

achievement of Neway’s partnership with Shell, which demonstrates the ongoing maturity and development of Neway’s manufacturing capability for special service & highly engineered products. These efforts have led to Neway’s global approval as Shell’s exclusive oxygen service gate, globe & check valve manufacturer. Other product expansion includes, Neway’s development into the subsea market. When the China’s Ministry of Industry and

Information Technology (MIIT) launched a program for “subsea production system design and key equipment development”, Neway fulfilled the Chinese government’s R&D mission for a subsea valve prototype. The R&D team at Neway headquarters undertook a “Subsea Valve Technology Study and Project Prototype Development Study” by designing, manufacturing, and testing subsea gate and ball valves. Neway staff in cooperation with Neway

Italy’s subsea valve experts, developed new innovative technologies and overcame design and production challenges of subsea gate and ball valves for China National Offshore Oil Corporation (CNOOC) – the largest offshore oil and gas producer in China. These prototypes includes China’s first 500 meter subsea gate and ball valves, passing FAT, hyperbaric chamber and PR2 tests, with performance reaching world-class levels.



In-house cryogenic testing of Neway gate valve



Neway subsea gate valve

Neway continues to develop the quality and technical specifications of their standard products. Significant testing and research is being conducted in the areas of design, fugitive emissions, and environmental challenges. Neway’s facilities can conduct nearly all valve testing procedures required by industry, performed in cooperation with client requirements, while meeting global standards such as API, Norsok, DIN/EN (AD2000), ISO, and GOST.



Low emission sniff testing of Neway gate valve

Looking to the future

With a recent plant expansion that took place, the future looks bright for Neway, who is now reaping the rewards of an increased production capacity. The space of the plant was increased to 230,000 square meters from a previous 160,000 square meters, an increase of nearly 40 percent. The total manufacturing capacity was increased by 20 percent, an essential upgrade due to growing customer demand for Neway’s Metal Seated Ball Valves, Fully Welded Ball Valves, Butterfly Valves, API 602 Valves, Control Valves, Pipeline Valves, Cryogenic & Oxygen Valves, Knife Gate, and Nuclear Valves. “Safety is the number one concern for Neway and the industry we serve,” shares Mr. Coleman. “With the diverse products

“Neway’s mission is to provide complete solutions for industrial valves.”

and processes utilized by our industry to deliver energy throughout the world, there comes with it an element of risk. At Neway, we continue to receive requests from our clients to provide a broader scope of products and services. Key components of these requests revolve around a manufacturer that has uncompromised control of the product being produced; from raw materials, foundries, processes and procedures, through manufacturing and deliverables to the site. As our end users seek to minimize manufacturers on their AML’s, the Neway platform allows our clients to narrow their focus on continuous quality improvement over a broader range of products. The common denominator of this formula is “improved safety, quality and mitigated risk.” Neway has built our manufacturing model around this formula to provide our customers security that they are receiving safe, quality products that perform.”



Subsea ball valve being prepped for hyperbaric chamber testing

Neway at a glance

Established:	1997
Head Office:	Suzhou, China
Industries Served:	Oil & Gas, Chemical, Power, Marine, Mining, General Industrial System, and Water Treatment
Product Portfolio:	Gate, Globe, & Check Valves, Ball Valves, Butterfly Valves, Pipeline Valves, Knife Gate Valves, Switch Control Valves, Control Valves, Nuclear Valves, and Special Valves
Industrial Certificates:	ISO 9001, API Q1, API 6A, API 6D, CE/PED, ASME N & NPT, TA-Luft, ABS, GOST R&K, and Fire-Safe approvals.
Locations:	China, USA, Brazil, The Netherlands, Italy, Singapore, Dubai, Mexico (JV), Saudi Arabia (JV)
Global Facilities & Service:	1 general valve assembly plant, 1 API 6A valve plant, 3 foundries Tongan, Tongshang, Dafeng), and 1 R&D center
Number of Employees:	4248 Total Number of Employees worldwide = 1975 (Valve Division) + 1200 (Metal Industry Division) + 557 (CNC Equipment Division) + 122 (Oil Equipment Division) + 100 (Overseas Subsidiaries) + 100 (Nuclear Valve Division) + 194 (Safety Valve Division)