

# NEWAY VALVE: WORLD-CLASS PRODUCTION,

*Neway, world-renowned industrial valve manufacturer, is committed to providing its customers with complete solutions for industrial valves and innovative product offerings for fugitive emission compliance. Its strong brand reputation can be attributed to its superior technologies, unique product lines, and extensive sales & services teams. Neway strives to develop the most up-to-date product portfolio to meet every standard and valve application for its customers.*

*Headquartered in Suzhou, China, the company is the country's largest industrial valve manufacturer, establishing nearly 80 long-term strategic client partnerships globally to meet growing market demand. Fugitive Emissions Journal had the pleasure of speaking with Randy Verdin, Vice President of Global Business Development at Neway to discuss the company's proactive approach to ever-changing emission standards, the expansion of its butterfly valve facility and its extensive line of product offerings guaranteed to meet all levels of compliance for industrial valve applications.*

By Stephanie Matas

## Expansion & complete quality control

Established in 1997, Neway has over 20 years of experience in manufacturing valves for the industrial sector. Neway maintains that quality is the key to their success. As fugitive emission compliance standards have become more stringent, the company has made every effort to adapt their products to adhere to this new, environmentally favourable approach in all major industrial trades. The high-end quality of the company's products is partly due to the design standard but also due to the fact that Neway has complete control over manufacturing processes due to its in-house foundries for its cast valves. Neway prides itself on delivering finished products to its customers in a wide range of materials. Products include

gate, globe, check, ball, butterfly, safety, 6A & wellhead equipment, as well as a variety of speciality valves widely used in oil and gas, chemical, power, shipbuilding, mining, water treatment and industrial sectors.

Neway believes that the perfect product starts with the perfect design. The construction of dynamic seals, material choice, packing design and economic seating elements all contribute to the quality of the finished, manufactured product. Dynamic seals are used to produce a barrier between stationary or moving surfaces in linear, oscillating, and rotary motion applications, so selecting the right type of seal and material is imperative. Packing design is an important element to bear in mind to decrease valve emissions and maintain the protection of key internal parts.



On the factory floor, Neway combines modern management concepts with tried-and-true management models. They employ both ERP and CAM advanced manufacturing resource management systems to manage their factories and oversee the entire manufacturing process to improve production efficiency. They also use warehouse barcodes in all their warehouses to distribute timely and accurate information to client needs and market demands. "We work hand-in-hand with end users to determine the best products to fill their needs," said Randy.

Neway operates one of the most advanced industrial valve manufacturing facilities in the world. The company is currently investing in a new butterfly valve facility which will cover 67,000 m<sup>2</sup> (721,000 ft<sup>2</sup>) with a maximum capacity of \$230 million/year and is also working on the construction of a new forge master for forged valves. In addition, Neway is known for having one of the most innovative and modern oxygen cleaning facilities in the world.

## Research & Design Capabilities

Neway continues to develop the technical specifications of its valve products, allocating a significant amount of time and funding to testing and research in all areas of design, fugitive emissions, and environmental challenges. The company can conduct all testing procedures as determined by industry standards such as API, NORSOK, DIN/EN (AD2000), ISO, and GOST. The extensive range of products offered by Neway reflects the company's desire to meet the changing needs of its clientele. As a result of their ambition to meet customer demand, its wide variety of valves cover most pressure and temperature classes supported by automation systems and devices. It is this type of dedication to quality, innovation and state-of-the-art facilities that has earned Neway an impressive range of end user approv-

als since its establishment. "As part of our relationship with end users, we are able to provide technical support utilizing our expert staff and engineering department, to collaborate with clients to make sure our products are best suited for their engineering applications. We develop trust and confidence with customers because we listen to their needs and nurture these relationships," said Randy. Neway backs up their customer service with an extensive engineering and after sales service department globally.

## Global presence, locally sourced solutions

Close to seventy percent of Neway's sales are generated overseas. With a worldwide distribution network and branch offices in the US,

## Internal Testing & Inspection

- radiation detection
- color testing
- magnetic particle testing
- ultrasonic testing
- spectral analysis material identification (PMI)
- microstructure testing
- a variety of mechanical tests
- fire testing
- cryogenic test
- high temperature test
- vacuum test
- pressure test gas
- oxygen clean facility
- fluid power test
- the product life test
- conventional pressure test
- series of valves experiments



# TRANSPARENCY AND QUALITY CONTROL



## FE STANDARDS

### International Standards

- **ISO 15848:** Industrial valves — Measurement, test and qualification procedures for fugitive emissions, 2015
- Part 1: Classification system and qualification procedures for type testing of valves
- Part 2: Production acceptance test of valves

### National Standards

- **EPAMethod 21:** Determination of Volatile Organic Compound Leaks
- **TA-LUFT:** Technical Instructions on Air Quality Control –TA Luft, Germany, 2002
- **GB/T 26481:** Valve test for fugitive emissions, China, 2011
- **GB/T xxx:** Type acceptance testing and qualification of fugitive emission valve, China, Edited by NEWAY, 2018

### Society Standards

- **API 624:** Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions
- **API 641:** Type Testing of Quarter-turn Valves for Fugitive Emissions, 2st Draft

### End-user Standard

- **SHELL SPE 77/312:** Fugitive emission production testing

South America, the Netherlands, Italy, Singapore and UAE, the company distributes their products wherever high-quality valves are demanded. The company's continuous commitment to pursuing advanced technology through innovative developments is the key to its global success. Neway does not focus on simply selling product, but rather working alongside its clients to develop strategic partnerships and exchanges. One of Neway's absolute goals is to create and maintain close partnerships with end users.

When asked what sets Neway apart from its competitors, Randy returns with quality, internal controls and complete transparency. "Being an overseas manufacturer, it is essential when Neway comes out with a new product to meet a new standard that it is bulletproof because of the inherent stigma we face. We must be flawless coming right out of the gate because people will be readily looking for faults. It's extremely important for us to set the benchmark in the industry," said Randy.

Randy believes transparency is very important; "we supply quarterly reports to refineries from our company owned foundries. It is very important to show customers our internal quality controls. The initial component of valve manufacturing is the casting, however if you don't start off with a good casting, it doesn't matter what else you do, the valve isn't going to work. The fact that Neway is open and transparent allows for casting reports to be provided to our clients as requested."

## Proactive approach to FE Standards

Neway has taken a proactive stance to design and certify several product lines that will enable clients across the world to meet their needs for low emission valves. Based on international and domestic industrial standards and customer requirements, the company has set higher internal quality assurance standards to maintain comprehensive, full quality management. They have also implemented a world-class testing center that enables them to independently complete all tests, from product prototype tests to final inspection.

Neway was the first valve manufacturer to start supplying valves that were compliant to API 624, accomplished by third party witness testing. Neway has completed certified witness testing on the company's full range of API 600 valves, API 623 globe valves, API 603 gate valves, and API 602 forged valves. For valves outside the scope of API 624, Neway can provide special stem sealing arrangements that are tested to ISO15848-1 class A & B, TA-LUFT and other custom testing standards. Most recently, Neway achieved API 641 certification for their floating ball and butterfly valves.

As many refineries are moving forward with industry-mandated turnarounds and upgrades, Neway is often given the opportunity to install low-emission products in aging facilities to ensure compliance with these new emission regulations. Neway will continue to strive to be on the cutting edge of future emission standards.

## Neway Valve — At a Glance

**Company name:** Neway Valve (Suzhou) Co., Ltd

**Established:** 1997

**Global Headquarters:** No.666 Taishan Road, New District, Suzhou, P. R. China

**Global locations:** USA, South America, The Netherlands, Italy, Singapore, Dubai, Saudi Arabia (JV)

**Employees:** 2000 +

**Products:** Ball, gate, globe, check, butterfly, control, nuclear, safety and subsea valves; Wellhead Products

**Industries:** Gas, Oil, Refining, Chemical, Coal Chemical, Offshore, FPSO, Air Separation, LNG, Nuclear Power, Power Generation, and Pipeline Transmission

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