

International Standard Valve: Fast Precise

Since its establishment in 2010, International Standard Valve (ISV) has always strived to provide the highest of quality in products and services to their customers, continually exceeding customer expectations while achieving superior company performance. From inception, ISV's mission has been to develop fully API and ASME code compliant high-value general service and special service valve products with a double layer of quality assurance, including additional pressure testing and material verification to meet or exceed the most stringent technical and quality assurance requirements of discerning end user customers.

Valve World Americas had the pleasure of speaking with Michael O'Quinn, President & CEO and Engin Gulgun, V.P. of Engineering & Technologies to discuss ISV's increased production at their Stafford, Texas facility, commitment to providing high quality products and its new collaboration agreements with Chengdu Chengfeng Flow-Tech Group.



"During our first 12 months of operations, International Standard Valve focused on product design and review, supplier relation, surveys and development, pressure and performance test equipment installation, implementation of a robust quality management system and an ERP system," said Michael O'Quinn. "As such, ISV received its ISO 9001:2008 Quality Management System certification within 12 months of inception. Our API 6D certification for U.S. Production was received shortly thereafter."

ISV closely monitors ASME, API, MSS and ISO standards in order to stay informed on current industry norms. The company actively participates in several industry related task groups in order to stay ahead of coming changes to the industry standards and keep abreast of the requirements, trends and idiosyncrasies of their customer base.

ISV continues to increase its capability of providing high value industrial ball valves, expanding and slab gate valves and cast steel valves for mid-stream, offshore oil and gas and industrial applications. Recent production from the company's Stafford, Texas facility includes new designs of metal seated trunnion mounted and floating type ball valves for high temperature service. Also new is a full range of reduced port split body floating ball valves that are now being offered in the ISV Stafford production lineup.

ISV valves are used around the world by quality conscious users operating in countries including North America, South America, West Africa, Middle East, Western Asia and Southeast Asia. Now in its eighth year of operation, the

company continues to grow its presence of commodity valves in markets such as oil & gas production, mid-stream and downstream. ISV actively provides customers with unique valve designs and valves for special service, including cryogenic valves and metal seated floating and trunnion mounted ball valve designs.

"The ISV product range can be characterized as wide ranging since we cover a number of API major valves categories as our standard product offered. Standard features of all ISV ball valves include NACE compliance, lockable levers & gear operators, anti-static device, fire-safe tested to API 607, products. All ISV Floating ball valves include stainless steel trim and all ISV trunnion mounted ball valves are double block and bleed designed with emergency sealant injection ports," said Engin Gulgun, V.P. of Engineering & Technologies.

ISV valves are designed utilizing the latest engineering technologies enabling fast precise solutions to demanding valve applications. ISV produces a wide range of industrial valves. Currently, ISV produces 1/4" through 24" ball valves at the Stafford facility and offers internationally produced ball valves and cast steel gate, globe & check valves through 56" in size. The primary ISV valve product range include:

- Cast Steel Gate, Globe & Check Valves to API 600, 623 & 594: 2" - 36"
- API 608 Flanged End Floating Ball Valves: 1/2" to 10"
- ASME B16.34 Threaded & Socket Weld End Ball Valves: 1/4" - 4"
- API 6D Bolted Body Trunnion Mount-

ed Ball Valves: 1.5" - 56"

- API 6D Welded Body Trunnion Mounted Ball Valves: 2" - 48"
- Cryogenic Floating and Trunnion Mounted Ball Valves: 1/2" - 16"
- Metal Seated Floating Ball Valves: 1/2" - 8"
- Metal Seated Trunnion Mounted Ball Valves: 2" - 20"

One of the newest inventory products in the production plan for year 2018 is the ISV Series BT3GU, a fully welded body trunnion mounted ball valve. This product will be available from stock in limited quantities up to 36" class 600 size and will contain all of the standard ISV features with the addition of Double Piston Effect (DPE) seats. Also API 6D Slab & Expanding Gates Valves will be added to the inventory list of items for year 2018.

"We are very proud of the ever increasing range of floating and trunnion type ball valves that are engineered, assembled and tested at the Stafford, Texas facility. Our production in Stafford includes API 6D trunnion mounted ball valves as well as a wide range of API 608 & ASME B16.34 industrial floating type ball valves in flanged ends, threaded ends and socket weld end configurations. Pressure ranges include up through ASME 2500," said Michael. "As of September of this year, ISV has achieved an objective of increasing our Stafford assembly plant production output to exceed 50% of the company's total sales of combined domestic and international valve production."

Increasing production and testing activities in Stafford has played a large role in improving ISV's overall product quality and customer service responsiveness while maintaining their core quality assurance values. Quality assurance remains a key part of the company's value proposition. Continually increasing production in the United States is a primary factor in maintaining their quality valuation.

ISV maintains a diversified product offering with key products suitable for a variety of industries. "For example, our API 6D trunnion mounted ball valves are well suited for natural gas pipeline and gas utility customer applications, as well as oil & gas production, gathering and midstream customer applications. We feature this product in a design category that makes it very suitable for general industrial pipeline applications and the related customers," detailed Michael. "Additionally, we maintain a very large mix of floating style ball valves that meets the requirements of industrial applications and customers as well as oil & gas upstream, midstream and downstream. We continually seek to grow our product's acceptance and approvals with the related end users and contractors in each industry while seeking to solidify our distribution channels appropriately for each market."

On-time deliveries are also key to ISV's customers in a time when current market demand requires shortened delivery timelines.

"ISV continues to monitor and always seek to improve on our on-time delivery service to our customers. We will



Solutions to Demanding Valve Applications

soon announce some key supply-side changes that will greatly enhance a portion of our material supply. This will ultimately provide an improvement in our delivery times and delivery stabilities," said Michael. "ISV has recently increased its production plan for year 2018 by threefold. We expect that some of these planned inventory material increases will start to take effect for future orders very soon."

Commitment to Quality

To date, ISV has been recognized as an approved manufacturer by several key end users across a variety of industries. ISV plans to continue to grow their user acceptance and to improve their quality management system, improve and augment their sub-supplier base and overall product to assure all current and potential new customers that ISV is the right choice for addition to their approved manufacturer's listing. This mission is reflected in the company's commitment to customer satisfaction and servicing the market with quality products.

"All ISV valves are shipped with the ISV guarantee of high quality design, materials and workmanship. ISV's warranty is 12 months after installation or 18 months after date of shipment, whichever is greater. This is important to ISV and all of our customers," revealed Michael. "All product related services are performed by ISV's trained valve assembly technicians. This ensures the customer receives a factory direct, knowledgeable and experienced valve technician that is well versed with ISV products."

In order to ensure that all products meet their rigorous quality standards, ISV performs a variety of performance and pressure tests on their products.

"Each and every ISV valve is pressure tested in accordance with the standard for which it is designed as a minimum. In many cases our standard test procedures and test instructions exceed the



industry's standard product design test requirements such as: longer test durations than what is required by the industry test standard and we perform the optional seat test on ball valves as an ISV standard rather than bypassing it," explained Engin. "Additionally, we perform PMI (Positive Material Identification) as a standard on all alloy ball valve bodies, end caps and components. Each PMI reading is retained in our database and linked to the valve's serial number for future traceability. Random material verification tests are also performed to confirm that purchased component materials meet or exceed the intended material standards."

Each valve's test data is entered into ISV's test database where it is compiled to cre-

ate and provide detailed test reports. This testing and the test results are a key part of the company's quality assurance program. The test reports for each valve purchased by any customer can be provided to the customer upon request.

"ISV had the unique opportunity of establishing our company during a time in which computer technology had already grown from its infancy stages. As such, from day one, we were able to utilize and employ data management technologies starting at the valve component level all the way through a completely finished valve product," said Michael. "Thus all ISV valves, including the smallest size of .25", are serialized which allows full product traceability after the product is installed in the field for many years to come. We also provide mill test reports (MTRs) with each and every customer order regardless of the valve size."

The traceability of each serialized valve includes a complete record of the production process including original mill test reports for each component, date of assembly, name of person performing the assembly, name of the person performing the pressure test and date, test records including any special tests performed, test gauge numbers used during testing, special processes such as customer specified coatings and name of the person performing final inspection.

Each valve is shipped with a universal barcode which contains the valve serial number and the product code and customers using universal barcodes can scan the barcode during their receiving stage.

General assembly drawings are available upon request for each and every ISV product. Many times this will help the company to better communicate with the customer the exact details of

■ ISV AT A GLANCE

Company Name: International Standard Valve, Inc.

Established: February 2010

Location: Stafford, Texas

Website: www.isvalve.com

Product Brand: ISV

Industries Served: Oil & Gas, Natural Gas Utility & Transmission, Petrochemical, Industrial, LNG

Principle Business: Industrial valve design, production, sales, service and distribution

Certifications: ISO 9001, API Q1, API 6D, API 607, CE/PED, CRN's

Product Portfolio:

- API 608 / ASME B16.34 Floating Ball Valves
- API 6D Trunnion Mounted Ball Valves
- Cryogenic Ball Valves
- Metal Seated Ball Valves
- API 6D Expanding & Slab Gate Valves
- API 6D Check Valves
- Cast Steel Gate, Globe & Check Valves
- Special Service Valves

the product that is being offered and considered. Additionally, customer review and feedback of the general assembly drawings can help the company to understand exactly what special requirements or features are needed by the customer. Drawings for customized products are generally produced by their in-house engineering staff within 1-3 days of requests. Any such special feature valve orders are recorded with a special 3 digit product suffix code for a complete description of the product requirements and implementation during the design, manufacturing processes and for customer reordering.

ISV's maturing install base, track record of good quality and practical USA production continent makes the company keenly suited to fill the needs of strategic buyers.



■ ISV REACHES SUPPLY AND ENGINEERING COLLABORATION AGREEMENTS WITH CHENGDU CHENGFENG FLOW-TECH GROUP (CFFT) OF CHENGDU, CHINA

Originally established in 1966 CFFT is now the region's number 1 ranked pipeline ball valve manufacturer and is the leading API 6D slab type gate valve manufacturer with up to 70% of the region's oil transportation and storage market.

As one of the core suppliers to PetroChina, SINOPEC and CNOOC for decades, CFFT has transformed into a multidimensional manufacturing & flow technology group that is committed to providing the most complete solutions to the Oil & Gas markets. With industry leading facilities, innovative technical teams and highly professional engineers, it's high quality services cover various realms in the energy sector – valve manufacturing and maintenance, fluids equipment solutions, flow control solutions and industrial data analytics, etc.

CFFT utilizes state of the art design,

machining, manufacturing and QA/QC equipment including large in-house radiography testing center, large cryogenic testing equipment.

The company maintains two manufacturing facilities for ball valves and slab/expanding gate valves respectfully. Certifications include: API 6D, API Q1, API 6FA, API 607, OHS 18001, CE/PED, ISO 9001 and ISO 14001.

CFFT's products have been widely used in the oil & gas pipelines, petrochemical industries, aerospace industry and power stations, etc. Its brands have a strong reputation in the region for high quality and service.

"CFFT will be a key component supplier to ISV Stafford production of trunnion mounted ball valves for both bolted and welded body designs," said Michael O'Quinn.

The views and opinions expressed in this article are those of the profiled company and do not reflect the position of Valve World Americas.