CNC FLOW CONTROL

DOWNSTREAM

Valve Solutions















C&C FORCE® DIAMOND GEAR econ® SMITH

CNC FLOW CONTROL

CNC Flow Control is a premium provider of a wide range of flow control solutions for upstream, midstream and downstream applications. Comprised of a group of quality gear and valve brands from various sectors of the market, CNC Flow Control was created by parent company ERIKS in September 2017 bringing together an experienced and diversified team dedicated to ensuring superior service, products and solutions. Product brands in the CNC Flow Control family include C&C, SMITH, Diamond Gear, Econ, Force, VE and PK Valve.

Trusted Partner. Reliable Solutions.

ERIKS

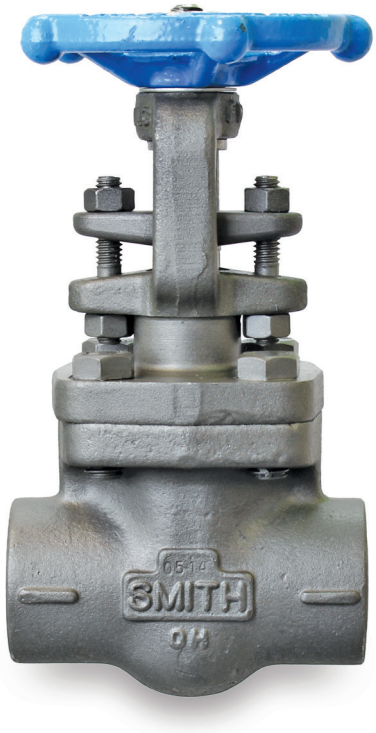
ERIKS is a multi-product specialist offering a wide range of mechanical engineering components and technical services to a variety of industries. Our 7,500 skilled employees repair and overhaul operations (MRO). If required, we can also integrate into our customers' businesses to establish an even closer and more responsive working relationship.

Our technical know-how is our major strength. Over the last 78 years, we have built up deep knowledge in the areas of Sealing and Polymer & Engineered Plastics, Flow Control, Industrial and Hydraulic Hoses & Gaskets, Power Transmission and Tools, Maintenance and Safety.

ERIKS is part of SHV, a family-owned multinational consisting of seven group companies.

SMITH Forged

Gates, Globes & Checks | API 602 | ASME B16.34



SMITH's Forged Steel valves have a proven reputation for quality that has been built over a half century. Dedication to new technology, improved engineering and best practices in manufacturing exemplify SMITH's ongoing commitment to provide among the highest quality products in the valve industry.

Features

- Valve Types:
- Gate, Globe, Check, Cryogenic, Bellows Seal, Y-pattern
- Sizes: 1/2” - 3“
- Pressure Class: 150, 300, 600, 800, 1500, 1690, 2500, 2690
- Design Specifications & Compliance:
  - API 591/598/602/624, ASME B16.34, NACE MR-0175,
  - NACE MR-0103
- Large scope of materials offered

SMITH Cast

Gates, Globes & Checks | API 600 | ASME B16.34



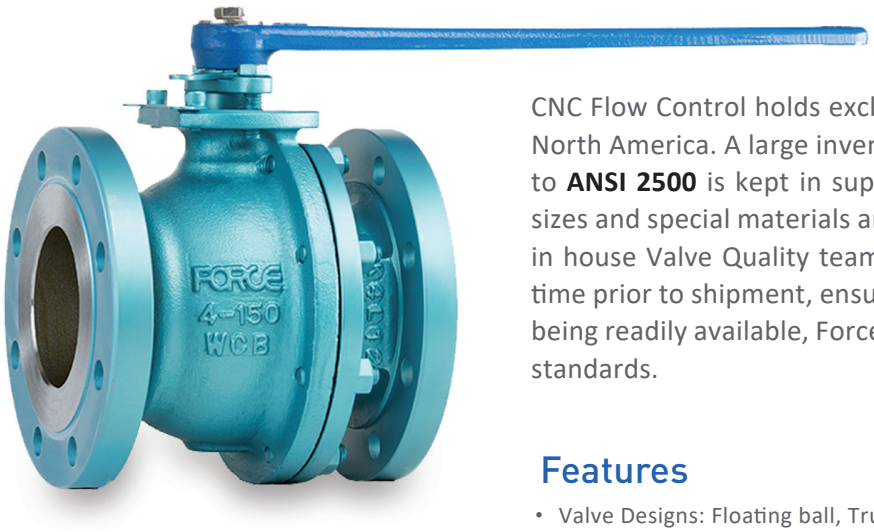
SMITH's Cast Steel valves were introduced to the market in 2018, designed with the same attention to detail as its time-tested forged product line. Listening to customers' needs the in house engineering, research and development team introduced a cast steel product line that undergoes rigorous quality control testing of its casting to ensure consistency and reliability. Every valve is production tested and inspected in accordance with API 598 and designed in strict accordance with API 600.

Features

- Valve Types: Gate, Globe, Check
- Sizes: 2” - 42“ (Larger sizes available upon request)
- Pressure Class: 150 to 2500
- Design Specifications & Compliance:
  - API 591/594/598/600/623/624, ASME B16.10/B16.34/B16.5,
  - NACE MR-0175, NACE MR-0103, MSS SP-147
- Large scope of materials offered
- Stainless steel options in both light wall and heavy wall designs
- Bolted bonnet and pressure seal bonnet available

FORCE Flanged Ball

Trunnion and Floating | ANSI 150 - ANSI 2500



CNC Flow Control holds exclusive rights for **Force Flanged Ball** valves in North America. A large inventory of valves 1/2" through 16" in **ANSI 150** to **ANSI 2500** is kept in supply to ensure immediate availability. Other sizes and special materials are available upon request. In addition, CNC's in house Valve Quality team pressure tests every Force valve a second time prior to shipment, ensuring that it's ready for service. In addition to being readily available, Force valves also exceed a wide range of Industry standards.

Features

- Valve Designs: Floating ball, Trunnion mounted
- Sizes: 1/2" - 16"
- Pressure Class: 150-2500
- Design Specifications & Compliance:
  - WCB, LCC & CF8M; material traceable to ASME B31.1,
  - API 6D/ISO-14313, ASME B16.34, B16.5, B16.10;
  - API-607, API-6FA, NACE MR 0175, CE-PED

ATLAS Series

API 6D | 2 Piece Cast | Trunnion Mounted



The **C&C Atlas Series Cast Trunnion Mounted Ball** valve's split body construction complies with API 6D, ASME B16.34, API 608, API 607 and other relevant ASTM specifications. With a variety of material selections available as well as ISO 5211 complaint direct mount actuator pad, the cast trunnion ball valve can be customized and automated to suit a complete range of oil and gas applications.

Features

- Design: Cast Trunnion mounted ball valve
- Sizes: 2" to 16"
- Pressure Class: ASME 150 -1500
- Design Specifications & Compliance:
  - WCB, LCC & CF8M; materials traceable to ASME B31.1; API 6D Monogrammed, ISO 14313, CSA Z245.15-17;
  - ASME B16.5, B16.10 and ISO 5211; NACE MR 0175/ISO 15156-1;
  - PED 2014/68/EU Annex III, Module H; Fire Safe: API 607 7th Edition

TRIDENT Series

API 6D | 3 Piece Forged | Trunnion Mounted



The **C&C Trident Series** 3-piece Forged Trunnion Mounted Ball valve is ideally suited for pipeline and other applications within the global energy infrastructure where zero leakage positive shutoff is critical. API Monogrammed and compliant with all relevant industry specifications, C&C Trunnion Ball Valves should be an integral component of your piping network.

Features

- Sizes: 2”- 36”
- Pressure Class: ASME 150 - 2500
- Design Specifications & Compliance:
  - API 6D monogrammed, ISO 14313,
  - CSA Z245.15-17, ASTM A105, A350 LF2 or A183 F316, materials traceable to ASME B31.1; compliant with ASME B16.5/B16.10 and ISO 5211; NACE MR 0175/ISO 15156-1; PED 2014/68/EU
  - Annex III, Module H; Fire Safet: API 6FA/607 7th Edition

GUARDIAN Series

API 6D | Non-Slam Piston Check



The **C&C Guardian Series** cast Non-Slam Piston Check Valve provides system protection through back flow control. It is used in applications where there is a need to reduce excessive wear associated with reciprocating service, such as with compressors and pumps. The Non-Slam Piston Check is outfitted with a top entry flange, allowing for ease of maintenance and repair of internal parts, ultimately reducing downtime.

Features

- Sizes: 2”- 12”
- Pressure Class: ASME 150 - 2500
- Suitable for liquid gaseous applications
- Design Specifications & Compliance:
  - WCB, LCC &CF8M; materials traceable to ASME B31.1;
  - API 6D monogrammed, ISO 14313,
  - CSA Z245.15-17; NACE MR 0175/ISO 15156-1;
  - PED 2014/68/EU Annex III, Module H; Fire Safe: API 6FD

GEARS

Motorized | Standard | Manual | Declutchable



The **Diamond Gear** product brand is a provider of high quality industrial worm gears, bevel gears, declutchable override gears, and gear accessories. With large inventory levels and customization capabilities, Diamond Gear will get you in motion.

Features

- Override Gears
- Bevel Gears
- Worm Gears
- Valve Automation Services

DIAMOND GEAR

FULL SERVICE 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

VALVE QUALITY DEVELOPMENT TEAM (VQDT)

Our Valve Quality Development Team (VQDT) is comprised of industry leaders and valve experts working together to share their expertise and best practices in order to make certain that only the highest quality products and most reliable solutions go to market. Before the decision is made to brand a product, our Valve Quality Development Team conducts comprehensive manufacturer's audits and inspections on both the product and the manufacturer's production process. These stringent audits and inspections ensure the manufacturer's ability to produce and provide products of consistent quality demanded by our customers and in accordance with documented procedures. Once manufacturers are qualified, the VQDT performs onsite witnessing and inspections of the product prior to releasing it for shipment. This added capability and oversight differentiates us from others. Reports providing proof of quality and testing are available to our customers with additional tests provided upon request.

- Modifications/Changes
- Positive Material Identification
- Material Test Reports
- Dye Penetrant Testing
- Quality and Technical Documentation
- Supplementary Testing per Customer Requirements
- Welding Capabilities Inspection & Testing



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