

Product Overview

Energy Steel has been serving the nuclear power industry since 1982 with reliable solutions for customers around the globe. We carry certifications in ASME N, NPT, NA, NS, U and NBIC R and NR, and we specialize in safety-related/ASME Section III products that span a wide range of sizes and capabilities.

Producing nuclear products requires a proper quality control program, along with specialized equipment and manufacturing experience. Our extensive capabilities allow us to provide custom solutions for a wide variety of products and mechanical components, for the most demanding nuclear applications.

Greer Accumulators

Energy Steel is the authorized manufacturer of Greer Bladder Accumulators – the most reliable on the market today.

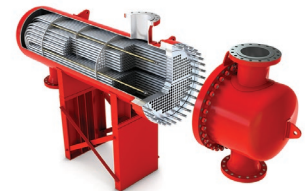
- Improves system efficiency and reliability
- Compensates for leakage
- Replacement bladder kits available
- Absorbs hydraulic shocks
- Pulsation Dampening
- Dependable performance
- Long service life



Heat Exchangers

Advanced heat exchanger knowledge and experience

- Custom design and fabrication solutions
- Performance evaluation reporting
- Design verification and re-rating
- Repair & parts replacement
- Equivalent replacement design
- Obsolete refurbishment / replacement
- Leaking tube solutions



Pumps & Motors

Expertise in sealed and sealless pumps and motors for the most complex nuclear applications

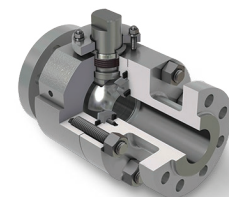
- Custom build solutions for critical pumping needs
- Build to commercial, safety-related, and ASME code
- Refurbishment
- Replacement parts
- Casting, forging, and machining of components
- Pressure and flow testing of completed units
- High-temperature, high-pressure, difficult-to-handle fluids



Valves

Valves for a wide range of nuclear applications

- Commercial-grade, safety-related, and ASME Section III replacement or new units
- N or NPT stamped valves or spare parts
- Certified design services allowing for improved material upgrades of older units
- Casting, forging, and machining
- Refurbishment



Tanks & Pressure Vessels

Tackling all vessel projects at nuclear facilities

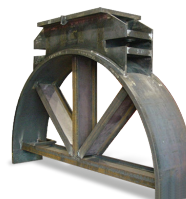
- Lube oil tanks
- Water separation tanks
- Emergency diesel generator fuel tanks
- Air receivers
- Condensate drain tanks
- Volume control tanks
- Surge tanks
- Many others



Structural Supports

Precision fabrication of structural supports

- Engineered solutions and build-to-print custom fabrication
- Ability to handle projects of most any size
- Employing custom tools including welding, cutting, forming and machining



Filters & Strainers

Protecting equipment by removing debris

- Simplex, Duplex and Y Type
- Manual or Automatic options
- Automatic Self Cleaning Option assures simplified maintenance & worry-free operation
- Sizes up to 60" (48" to 60" fabricated on request)
- Wide selection of materials



Specialty Components

A wide range of innovative solutions

- Spent fuel canister components
- Custom-machined valve bodies
- Precision-machined straining elements
- Specialty fasteners/non-standard fasteners
- RPV studs
- NPT code stamped
- 10CFR50 App B
- 10CFR Part 21



Heritage Products

Heat Exchangers, Pumps, Valves and Filters

- Obsolete refurbishment / replacement of parts
- Custom fabrication solutions
- Certified design services allowing for improved material upgrades of older units
- Performance evaluation reporting
- Design verification and re-rating
- Brands include:
 - Ajax Pumps
 - Gaulin Pumps
 - Zurn Strainers
 - Whitlock Heat Exchangers
 - Crane Deming Pumps
 - Greer Accumulators
 - Armco Sluice gates
 - W-K-M Valves



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