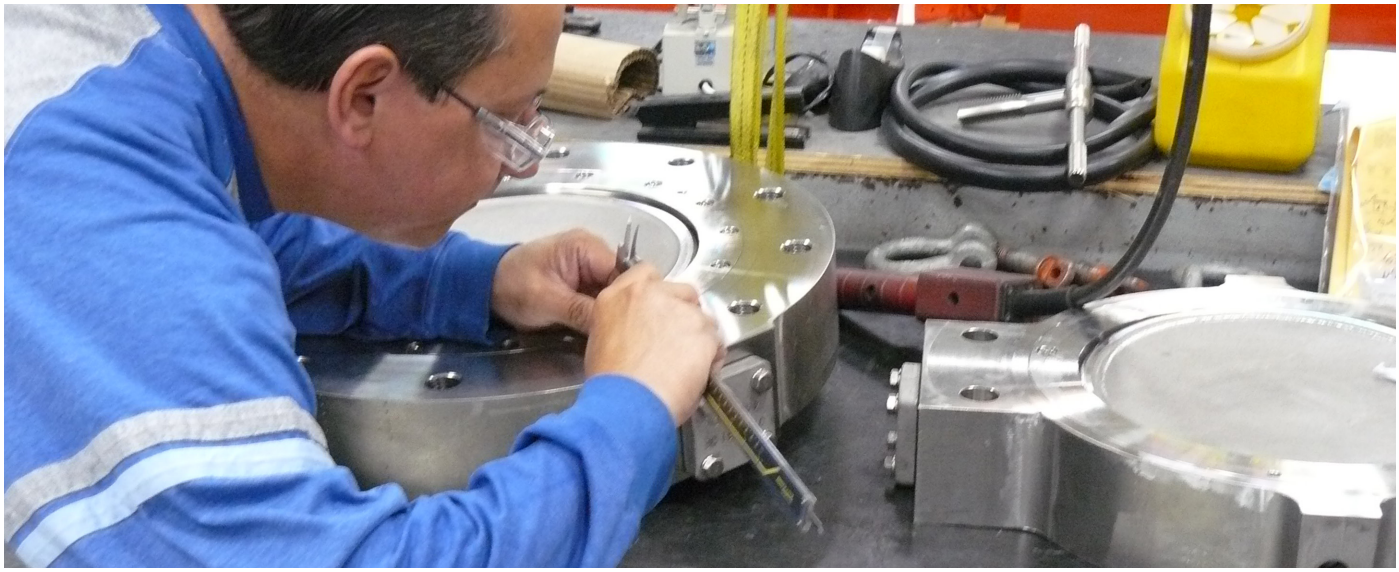
Jamesbury

High Performance Butterfly and Ball Valves

Nuclear Power Products and Services



About our Teaming Partner

Jamesbury high performance butterfly and ball valves have over 2,000 installations in some of the nuclear power industry's most critical applications. The wafer sphere bidirectional resilient seated butterfly valve and flexible lip seal ball valve designs provide enhanced performance and extended life cycle, using diverse materials of construction. Formerly known as Neles and Metso, Jamesbury valves are now produced in partnership with Valmet.

In 1996, Curtiss-Wright's Enertech business unit and Jamesbury formed an exclusive partnership in an effort to continue providing the nuclear power industry with Commercial, Safety-Related, and ASME Section III valves and spare parts. Under this agreement, Enertech is responsible for the design, fabrication, testing, and certification of safety-related valves using its 10CFR50 Appendix B program and ASME N and NPT Stamps.

One of Jamesbury's most popular designs, the 8000 Series High Performance Butterfly Valve (HPBFV), has operated in commercial, Safety-Related, and ASME Code Section III nuclear applications for over three decades. Over this period, Jamesbury has made a variety of improvements to the valve design in an effort to reduce maintenance and improve component reliability.

Through these enhancements, the Jamesbury 815/830 series HPBFV was born as a replacement for the original 8000 series valve, which became obsolete in the early 1990s. This butterfly valve incorporates new design features that improve reliability and performance and reduce overall operating costs. To eliminate unnecessary modification costs, the 815/830 series can be made available as a drop-in-replacement for 8000 series installations.

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High Performance Butterfly Valves

- Double offset seat design minimizes disc and seat wear
- Flexible lip seal design assures positive shut-off
- Positive shaft retention prevents movement of shaft beyond compression plate
- Easy maintenance – only the insert needs to be removed to replace the seat
- Low output torque requirement allows for use of less costly actuators
- Longer cycle life – xtreme seat material has 500% improved cycle life

815/830 Series High Performance Butterfly Valves

- Size: 2 ½"- 60"
- ANSI Class: 150 - 300 lb
- Body style: wafer or lugged
- Max pressure: 740 psi
- Max temp: 500°F

8000 Series Obsolescence Program

- 815/830 Series Drop In Replacement
  - Improved Seal Design
  - Lower Torque Values
  - Easier Maintenance
- 8000 Soft Goods Repair Kit
  - Includes the seat, shaft seals, and insert pins

Jamesbury Ball Valves

- Flexible lip seal design provides reliable bi-directional shut-off
- A variety of body configurations from floating ball to trunnion- mounted designs
- A wide range of application appropriate valves, with proven cost-saving features
- Soft and metal seats available

Flanged Ball Valves – Standard and Full Port

- Size: ½" - 20"
- Max pressure: 300PSI
- Max temp: 500°F

Threaded End Ball Valves

- Size: ¼" - 2 ½"
- Max pressure: 2500 PSI
- Max temp: 500°F

3-Way Flanged Ball Valves

- Size: 2" - 12"
- Special configurations: actuator stem, double block and bleed seat

Metal Seated Ball Valves

- Series 4000 3-Piece Ball Valve
  - Options for 316 stainless steel ball
  - 17-4PH seat
  - Full range of quarter turn actuation
- Series T5 Metal Seated Ball Valve
  - Top entry allows valve to remain in the line during disassembly

Nuclear Plant Services Include:

- Application engineering assistance
- Upgrades, repair, and refurbishments
- Complete spare parts support
- Site walkdowns

Enertech is your authorized sales and services distributor for Jamesbury valve products used in nuclear power plants worldwide.

815 Butterfly Valve

830 Butterfly Valve

Flanged Ball Valve

3-Way Flanged Ball Valve

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