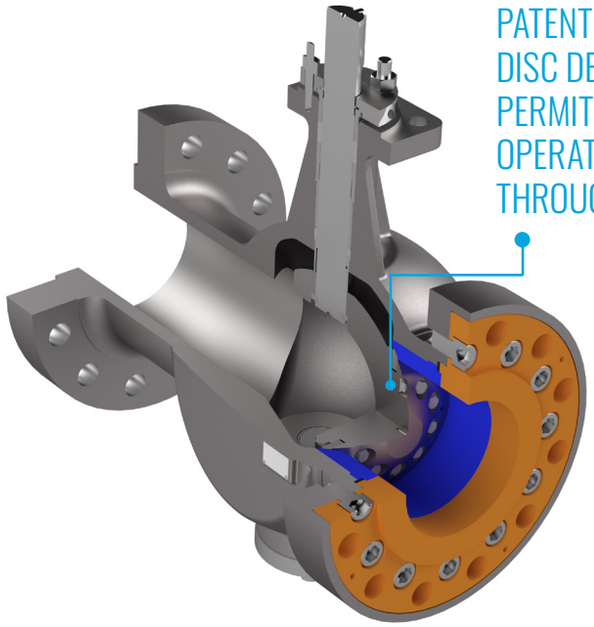
FK TrieX

CRANE® FK-TrieX™ - Full Port
Triple Offset Isolation Valves For Severe Service

FULL PORT TRIPLE OFFSET VALVE WITH CAVITY FREE DESIGN THAT PROVIDES ZERO LEAKAGE SHUTOFF

For severe service applications where safety, reliability, and efficient operation are paramount, the new FK-TrieX provides:

- Bi-directional bubble tight shutoff
- Unobstructed flow & high cv
- Cavity free self-cleaning design
- Superior fugitive emissions control
- High reliability
- Ease of serviceability
- Less weight, low total cost of ownership



CRANE®

www.cranecpe.com

CRANE® FK-TrieX™ Features and Benefits

SAFETY

1. **Proven Triple Offset Sealing**
   Provides repeatable bi-directional zero leakage shutoff per API 598
2. **Torque Assisted Seating**
   Yields a better seal due to evenly distributed compression of the seal along the entire sealing area
3. **Superior Fugitive Emissions**
   Control Per ISO 15848-1 AH CO2 SSA0 & API 641
4. **Fire Safe Design**
   Per API 607 standard
5. **Blow Out Proof Stem Design**
6. **Single Piece Body**
   Eliminates additional leak path to atmosphere

RELIABLE OPERATIONS

7. **Cavity-less Self-Cleaning Design**
   Ensures solids do not get trapped in valve crevices eliminating premature failure and jamming
8. **Standard Pressure Tight Bearing Design** eliminates problems of valve jamming and increased torque from polymerization and crystallization
9. **Reduced Friction Sealing**
   Minimizes wear that is typically seen in other technologies due to spring force or other impinging force on seat
10. **Replaceable Stellite Welded Seat & Flexible Laminate Seals**
    Provide excellent shutoff and 2x life than stainless seats. 40 RC hardness rating
11. **API 6D Standard Full-Bore Design**
    Allows Pipeline Inspection Gauges (PIGs) and cleaning scrapers to pass through the valve in full open condition
12. **Optimal Flow Profile**
    In addition to standard full-bore design provides high Cv and low pressure drop across the valve

LOW OVERALL COST

13. **Modular Seat and Seal Design**
    Enables replacement of seat (TrieX ring) and laminate seals without having to replace the entire valve, and also reduces maintenance time and cost
14. **Quarter Turn Design**
    Eliminates the need for complex actuators
15. **Single Piece Body**
    Reduces weight by up to 10% to 20% decreasing structural support costs
16. **Same Face to Face Dimensions as Other Technologies**
    Per ASME B16.10 Long Pattern minimizes need for piping modifications

Materials of Construction

- WCB, WCC, LCB, LCC, WC6, WC9, C12 CF3M, CF8M; Duplex, Super Duplex, Monel®, Inconel, Hastelloy, Titanium, Zirconium

Size Range

- 3" up to 24" in a single piece cast body design

Pressure Ratings

- ASME Class 150, 300, 600

Temperature Range

- -76°F up to 1022°F; -60°C up to 550°C, depending on material

Body Configurations

- ASME B16.10: Double Flanged Long

Standard Features

- Pressure Tight Bearing Design
- Full Port Design Per API6D
- FE Control ISO AH CO2, API 641
- Fire Safe Per API 607
- Cavity Free Design
- Removable Seat & Seal

Typical Applications

- Chemical Processing
- Aromatics & Derivatives
- Chlor Alkali & Chlorinated Hydrocarbons
- Fluorinated Hydrocarbons
- Industrial Gases
- Inorganic Chemicals
- Inorganic Pigments
- Nitrogenous Fertilizers
- Olefins & Derivatives
- Organic Compounds
- Phosphatic Fertilizers
- Specialty Chemicals
- Synthetic Polymers, Plastics & Resins
- Refining
- Gas Processing
- Terminals
- Pulp & Paper
- Carbon Capture & Sequestration

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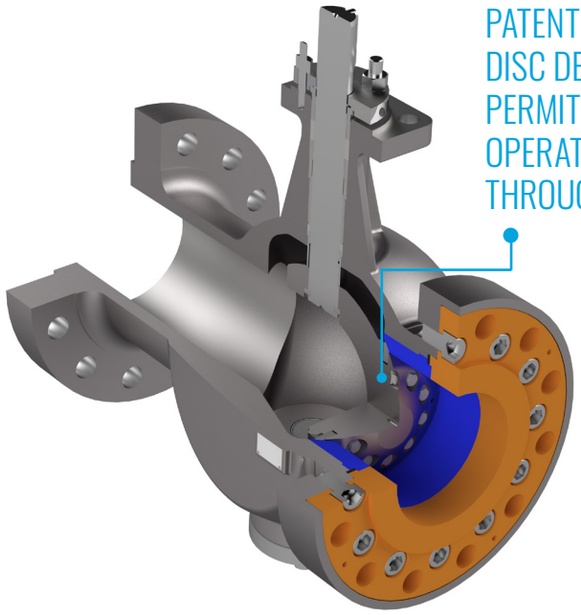

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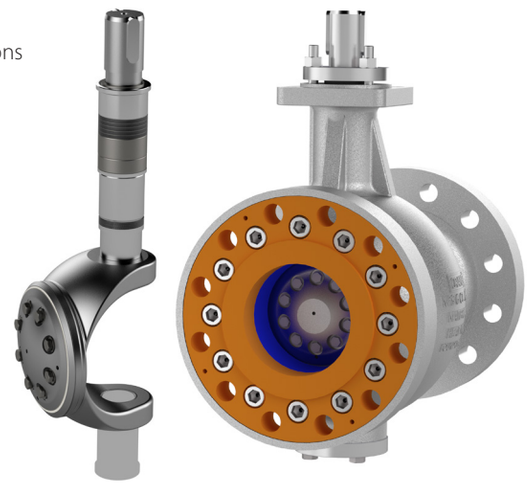

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