

CRANE[®]

NEW!

Crane[®] FKX 9000 Triple Offset Butterfly Valves

CraneFKX9000.com

Key features include:

- 1 **Optimized Seat Angle:** An innovative seat angle design and Stellite[®] hard-faced valve body seat deliver a longer seal life and improved abrasion resistance, even after extensive cycling. Designed to eliminate wedging or binding of the disc, and lower the operating torque, the Crane[®] FKX 9000 can **REDUCE TOTAL COST OF OWNERSHIP BY UP TO 50%.***

**Proven against leading TOV supplier, in customer's Methyl Diisocyanates application*

- 2 **Metal-to-Metal Sealing:** The precision machined metal seat and seal ring deliver reliable and bi-directional shutoff in high-temperature, high-pressure and severe service applications among others. The right-angle conical design facilitates an almost **FRICTIONLESS IN-LINE SEALING.**

- 3 **Innovative Stem Seal Design:** permits superior FUGITIVE EMISSIONS CONTROL (ISO 15848, Class AH) under recurrent thermal cycling, and **REDUCES POTENTIAL DOWN TIME.**



- 4 **Torque-Seating:** Unlike position-seated ball, butterfly or plug valves, the torque-seated Crane[®] FKX 9000 self-adjusts to evenly distribute seal compression. A "floating" seal ring and wide seal ring supporting gasket yield a **BETTER SEAL** to eliminate binding and to enhance performance.

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Crane® FKX 9000 Triple Offset Butterfly Valves

Materials of Construction

- Standard: A216 Gr. WCB, A351 Gr. CF8M; 1.0619, 1.4408
- Options upon request: Duplex, Superduplex, LCC/LCB, WC6, CF3M, Monel®, Inconel®, Hastelloy®, Alloy 20; 1.4469, 1.7357, 1.4409, 2.4460

Size Range

- 3" up to 48"; DN 80 up to DN 1200, in a single piece cast body design

Pressure Ratings

- ASME Class 150, 300, 600; PN 10, 16, 25, 40, 63, 100

Temperature Range

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

Body Configurations

- Lug, Double Flanged Short Pattern, Double Flanged Long Pattern



Standard Features and Compliance

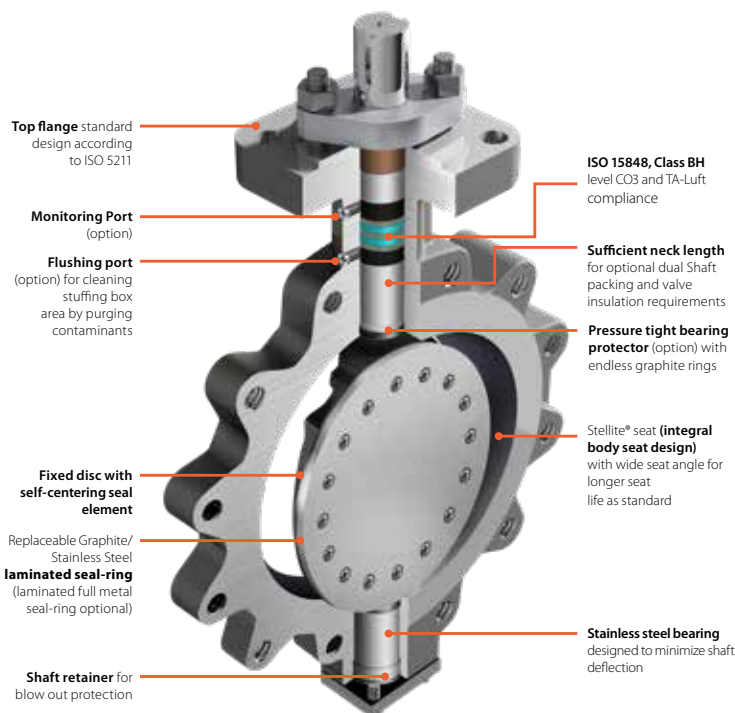
- Bearing designed to minimize shaft deflection
- Graphite/Stainless Steel laminated seal-ring
- ISO 15848, Class BH, level CO3 is our standard offering
- API 609 and ASME B16.34; EN 12016 valve design standard
- Zero leakage as per API 598; EN12266 leakage rate A
- API 607, 6th edition; EN 10497: Fire Tested
- EPA Method 21 (Fugitive Emissions Compliance)
- Quality certification as per ISO 9001
- TA-Luft compliance acc. to VDI 2440
- CE-marking according to DGRL 2014/68/EU
- ISO 5211 actuator mounting bracket
- SIL 2 and 3
- API 641
- CRN (Canada) certified
- TSG (China) certified
- EAC (Russia) certified

Typical Applications

- Steam (Saturated & Superheated)
- Hydrocarbons
- Hydrogen
- Oxygen
- Hot gases
- Sulphur (Tail Gas)
- Chlorinated Solvents
- Flare Gas
- Chemical Solvents

Special Options

- Capable to meet ISO 15848 Class AH, level CO2
- Pressure tight bearing protector
- Monitoring port
- Flushing port for cleaning stuffing box area by purging contaminants
- Dual and industrial Packing
- Chemical and live-loaded gland flange
- Graphite-free and metal-PTFE laminated seal
- API 6D test is available upon request
- Heating jacket
- Higher temperature ratings available upon request



Crane ChemPharma & Energy

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