

# XOMOX<sup>®</sup>

# NEW!

## Xomox<sup>®</sup>FK Soft Seated Ball Valves

[www.cranecpe.com](http://www.cranecpe.com)

The new Xomox<sup>®</sup>FK Ball Valve combines all critical safety and performance features required for demanding applications in the chemical process industry.

### Key features include:

- 1 Three independent stem seals offer superior **fugitive emissions control**, certified to the following standards: EPA Method-21, ISO-15848, and TA-Luft according to VDI 2440.
- 2 **Self-relieving** seats permit relief of excess pressure to protect the integrity of the valve, while maintaining bi-directional operation.
- 3 Patented SX ball-stem design provides high maximum stem torque capability and built-in side load resistance for **extended valve life** under severe conditions including thermal-cycling.
- 4 Dual material spiral wound body gasket, including a PTFE chemically inert inner seal and a secondary graphite outer seal, supplied as standard.

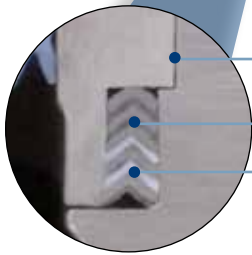
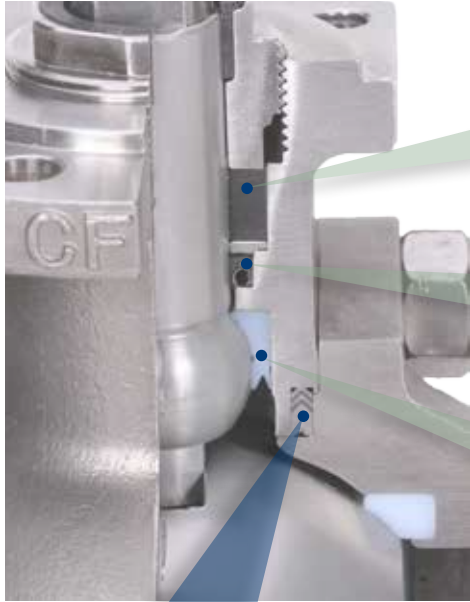


Fire tested as standard  
per API 607-6th edition  
& ISO 10497:2010

**CRANE**<sup>®</sup>

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# Xomox®FK Ball Valve



## Body Seal

METAL TO METAL BODY JOINT

SECONDARY BODY SEAL  
(outer graphite fire tested seal)

PRIMARY BODY SEAL  
(inner PTFE chemical seal)



## Stem Seal

TERTIARY STEM SEAL (adjustable)

The graphite packing arrangement is the third stem seal and can be adjusted if a leak is ever detected.



SECONDARY STEM SEAL  
(pressure assisted)

The Spring Energized Lip Seal is the second independent stem seal; the spring is forcing the seal lips against the stem and the body ID while the pressure assists the spring force to create a superior seal. The spring compensates for lip wear, tolerances, eccentricities and provides permanent resilience (**Live Loading**) to the seal.



PRIMARY STEM SEAL  
(pressure assisted)

The innovative patented "pressure assisted" SX stem seal provides the highest protection against fugitive emissions while supplying superior side load resistance.

## Thermal-Cycling Protection

To combat the effects of pressure and temperature fluctuations, dual material body gaskets are standard on Xomox®FK Ball Valves. This includes a PTFE chemically inert inner seal and a graphite outer seal combined into one spiral wound gasket. The spiral wound gasket design is industry proven, providing structural support and "Live Loading" via the metal spiral "V" shape rings and superior sealing of the dual materials

## Configurations & Sizes

Body Configuration	Port	Figure Number	ANSI Pressure Class	IN.	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
				DN	15	20	25	40	50	80	100	150	200	250	300
2pc Floating	Full Port	K21F	150		●	●	●	●	●	●	●	●	●		
		K23F	300		●	●	●	●	●	●	●	●	●		
2pc Trunnion	Full Port	K21F-T	150											●	●
		K23F-T	300											●	●

## Standards

- API-608, API-6D
- ASME B16.34, B16.5, B16.10
- ISO 5211 Top mounting flange
- Fire-tested API 607 6th edition & ISO 10497:2010

## Materials

- WCB and CF8M as standard body materials
- Higher Alloys available  
(Example: Alloy-20, Monel, Inconel & Hastelloy C)

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## Crane ChemPharma & Energy, Xomox®FK

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