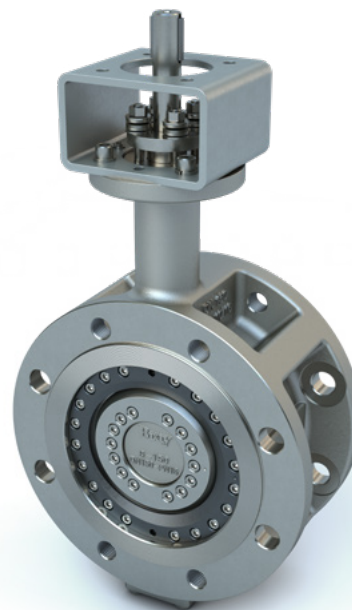


OVERVIEW

Tri Lok®-Cx is the premier isolation valve for operation in light vacuum to high-pressure applications. The non-rubbing, metal-to-metal seal delivers zero-leakage bidirectional shutoff with minimal torque, and is certified firesafe. Compared to gate, globe, or ball valves of the same size and pressure class, Tri Lok®-Cx provides space and weight savings, while minimizing installation and maintenance costs.

APPLICATIONS

- > Steam distribution
- > Industrial gases
- > Tank farms and storage
- > Hydrocarbon processing
- > Petrochemical processing
- > Chemical processing
- > Hydrogen service
- > Reactor isolation
- > Loading and unloading
- > Safety related applications
- > Flare systems
- > Emergency shutdown (ESD) applications



SPECIFICATIONS

Size Range¹	DN 80 to 600
Temperature Range²	-60°C to 400°C
Pressure Rating	PN 10 PN 25 PN 40
Body Style	Lug Double Flanged
Tightness Test³	Zero-leakage EN 12266 Rate A

NOTES

- 1 Larger sizes available on request.
2 Other temperatures available on request.
3 All valves tested bidirectionally.

MATERIAL OPTIONS¹

Body	Carbon Steel
	Stainless Steel
Disc	Carbon Steel
	Stainless Steel
Seat	Stainless Steel (Hardened)
Seal Ring	Laminated: Duplex Stainless Steel + Graphite
	Solid Seal: Duplex Stainless Steel
Stem	410 Stainless Steel
	XM-19 (Nitronic® 50)

NOTE

- 1 Other materials available upon request.

DESIGN STANDARDS

Valve Design	EN 12516-1 EN 12569 EN 593
Material Standard	EN 16668 AD2000 W0
Marking	EN 19 DIN EN IEC 61406 DIN 91406
Top Flange	ISO 5211
Flange Drilling	EN 1092-1
Face-to-Face	EN 558
Testing Standard	EN 12266-1 & 2 NE 167
AutoID/ID Link	DIN 91406/IEC 61406

CERTIFICATIONS & APPROVALS

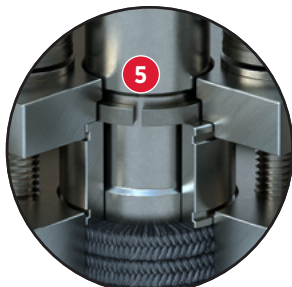
Certifications	CE: PED 2014/68/EU
	SIL 3 capable
	UKCA
Fire Test	ISO 10497
Fugitive Emissions	ISO 15848-1
	TA-Luft 2021
Approvals	ATEX 2014/34/EU

FEATURES

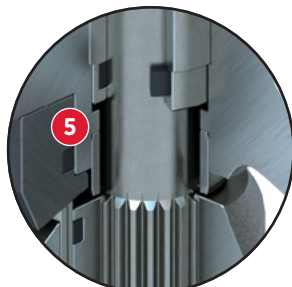
The Tri Lok®-Cx features a fully adjustable, field replaceable seat and seal system that extends overall service life, minimizes downtime, and reduces the need for costly offsite repairs or total valve replacement.

- 1 SEAT:** The hardened seat reduces the risk of galling, offering superior performance and durability.
- 2 SEAL RING:** Offers a flexible design and wide range of materials to provide torque-loaded sealing with zero-leakage.
- 3 LIVE LOADED STEM PACKING:** Fully adjustable, field replaceable stem seal system is certified to international fugitive emission standards.
- 4 SPLINED DISC-TO-STEM CONNECTION:** Strong, reliable connection allows for axial movement, prevents misalignment, minimizes hysteresis, and eliminates external connections.
- 5 ROBUST BLOWOUT-PROOF STEM:** The one-piece stem features a blowout prevention ring located above the packing box, outside the pressure boundary. The stem is also mechanically retained for additional protection.
- 6 INDEXED STEM:** Provides positive visual indication of disc/seal ring position after installation.
- 7 STEM BEARINGS:** Elongated to provide maximum stem support, and hardened to reduce wear.
- 8 BEARING SEALS:** Minimize ingress of media into the journal.
- 9 DIGITAL TAG:** Each valve is uniquely and easily identifiable by simply scanning the QR Code on the product identification tag in accordance to IEC 61406.

BLOWOUT-PROOF STEM



Blowout Prevention Ring
 Located outside pressure boundary.



Mechanical Retention
 For additional blowout protection.

