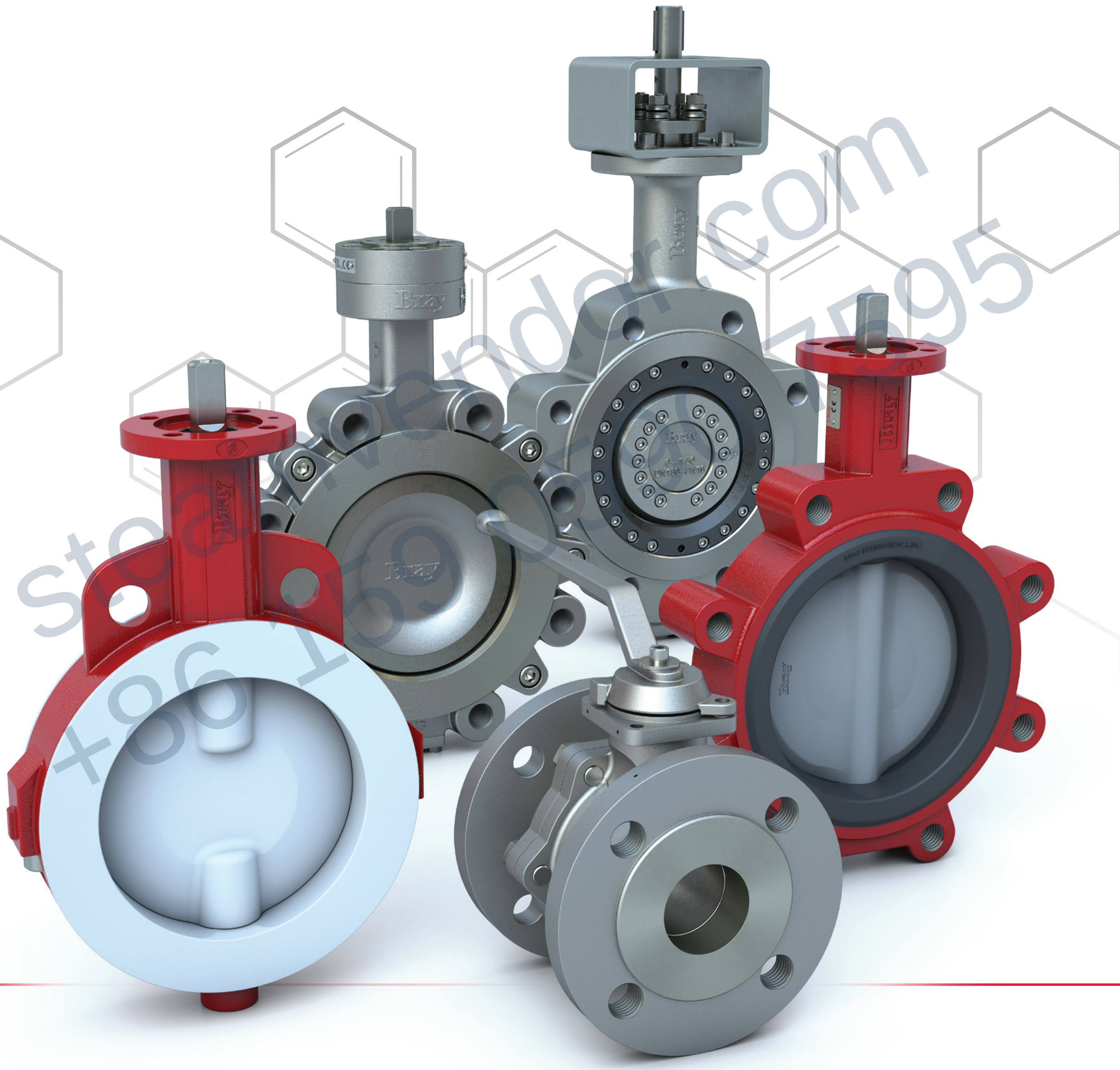
Cx LINE

OUR ELEMENT

SOLUTIONS FOR THE CHEMICAL INDUSTRY



Bray®

Excellence
Quality
Trust

Explore Our Elements

PASSION FOR SOLUTIONS

COMMITMENT, SAFETY, RELIABILITY & SUSTAINABILITY
These elements are our passion to design, engineer, and manufacture our new Cx Line products — offering valve solutions that consistently deliver results for your unique process conditions.

All products for the Cx Line feature a digital valve identification tag which enables a link with the end user's systems. Together with the compliance of all necessary standards, these products will be your preferred choice.

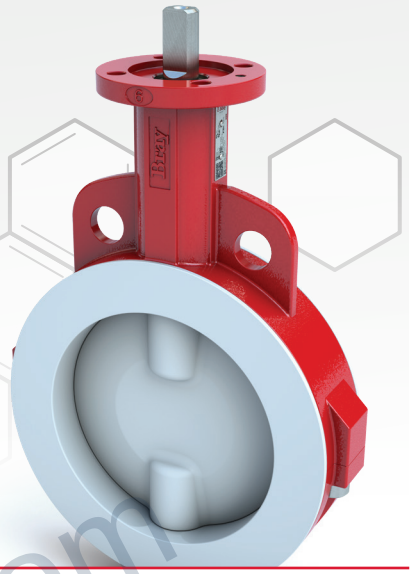
DIGITAL TAG

The electronic tagging system — **Bray DIGI-ID™** — ensures that each valve is uniquely and easily identifiable by simply scanning the QR Code on the product identification tag. This allows the operator to gain instant access to all relevant product information. This solution is in accordance with the DIN EN IEC 61406 (DIN Spec 91406) standard.

Benefits of Bray DIGI-ID™

QR CODE	PORTAL	DOWNLOADS
Engraved on Valve ID Tag	Responsive Design	Declaration of Conformity
Captive and Unique	Instant Access	Sales Data Sheet
Easily Scannable	Multi-lingual	Technical Sales Manual
	DIN EN IEC 61406 Conformance	Installation, Operation and Maintenance Manual

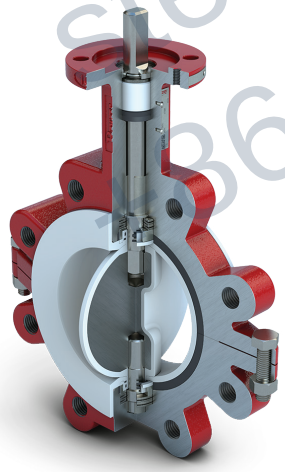
2-Cx
PTFE-Lined



SCAN ME
FOR A CLOSER LOOK

KEY ELEMENTS

- Live-loaded, self-adjusting stem sealing system with certified packing
- Unique seat geometry permits lower torques and reduces seat wear
- Seat energizer extends completely around the seat for zero leackage
- Virgin-PTFE lining (minimum 3mm) for superior chemical resistance
- Extended neck to allow for simplified pipe insulation



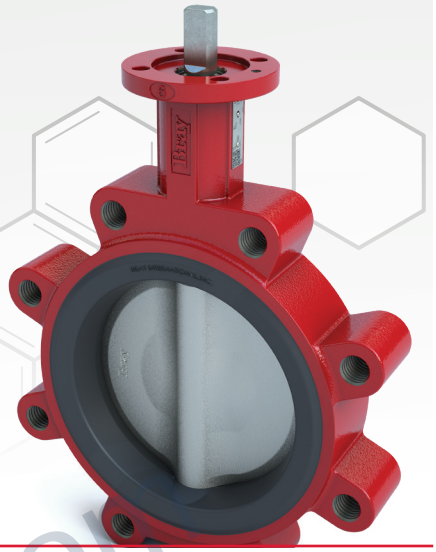
2-Cx
Lug

Size Range[1]	DN 50 to 600
	NPS 2 to 24
Temperature Range	-20°C to 200°C
Maximum Operating Pressure	10 bar
Body Style	Wafer | Lug
Flange Drilling	EN 1092-1: PN 10
Face-to-Face	EN 558 Series 20
Top Flange	ISO 5211
Tightness Test	EN 12266-1: Rate A
Certifications	CE: PED 2014/68/EU
	SIL 3 capable
Fugitive Emissions	ISO 15848-1
	TA-Luft 2021
Approvals	ATEX 2014/34/EU
Compliance	NE 167 | AD2000 | DIN EN IEC 61406 | EC 1395

NOTE
Other sizes and specifications on request.

Cx LINE

3-Cx
Resilient Seated



SCAN ME
FOR A CLOSER LOOK

KEY ELEMENTS

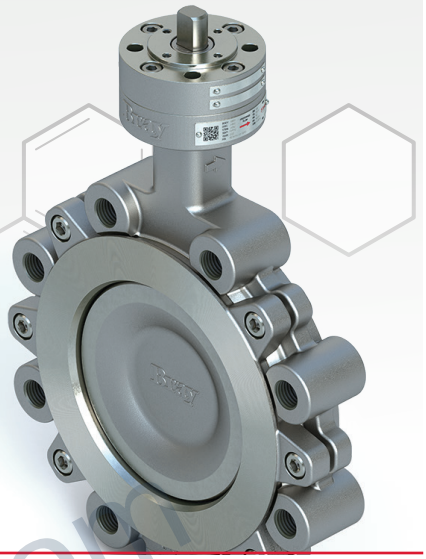
- Molded-in seat design for durability and reliability
- Lug version allows for bi-directional sealing at full rated pressure
- Precision profiled disc sealing edge extends the valve life by reducing seat wear
- Upper and lower stem bearings reduce operating torque and increase realibility in high cycle applications
- Reduction in torque enables optimized actuator selection resulting in cost savings over the valve's lifetime
- Extended neck to allow for simplified pipe insulation

3-Cx
Wafer

Size Range	DN 50 to 600
Temperature Range	-20°C to 121°C
Maximum Operating Pressure	16 bar
Body Style	Wafer | Lug
Flange Drilling	EN 1092-1: PN 10 | PN 16
Face-to-Face	EN 558 Series 20
Top Flange	ISO 5211
Tightness Test	EN 12266-1: Rate A
Certifications	CE: PED 2014/68/EU
	SIL 3 capable
Fugitive Emissions	ISO 15848-1
	TA-Luft 2021
Approvals	ATEX 2014/34/EU
Compliance	NE 167 | AD2000 | DIN EN IEC 61406 | EC 1935

NOTE
Other sizes and specifications on request.

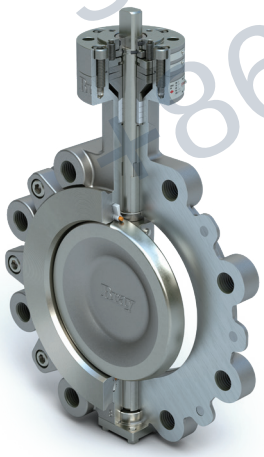
4-Cx
Double Offset



SCAN ME
FOR A CLOSER LOOK

KEY ELEMENTS

- Designed to deliver quality, value, and reliability in the most demanding applications
- Adjustable, live-loaded stem sealing system with low fugitive emissions certified packing
- Double offset geometry reduces seat wear and extends valve service life
- Dead-end service, with bidirectional sealing and uninterrupted flange surface
- High strength, anti-blowout one-piece stem
- Extended neck to allow for simplified pipe insulation



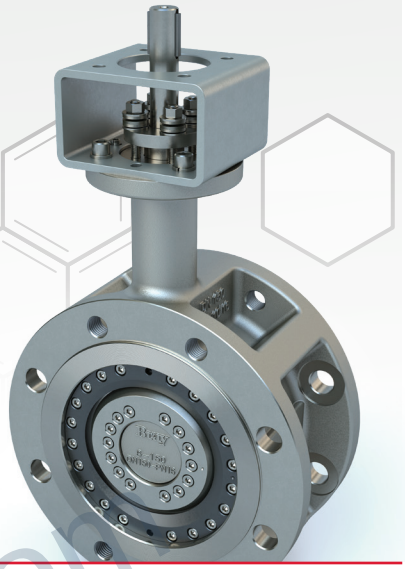
4-Cx
Lug

Size Range	DN 80 to 400	
Temperature Range	Carbon Steel:	-10°C to 260°C
	Stainless Steel:	-29°C to 260°C
Pressure Rating	PN 10 | 16 | 25 | 40	
Body Style	Wafer | Lug	
Flange Drilling	EN 1092-1	
Face-To-Face	EN 558 Series 20, Series 25	
Top Flange	ISO 5211 | NE 14	
Tightness Test	EN 12266-1: Rate A	
Certifications	CE: PED 2014/68/EU	
	SIL 3 capable	
Fugitive Emissions	ISO 15848-1	
	TA-Luft 2021	
Approvals	ATEX 2014/34/EU	
Compliance	NE 167 | AD2000 | DIN EN IEC 61406 | EC 1935	

NOTE
Other sizes and specifications on request.

Cx LINE

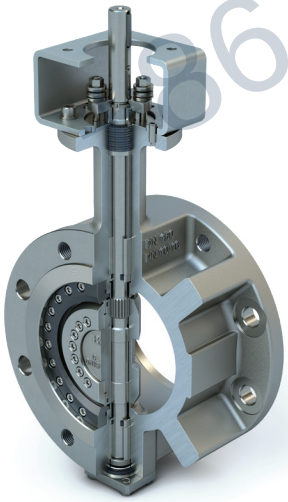
Tri Lok®-Cx
Triple Offset



SCAN ME
FOR A CLOSER LOOK

KEY ELEMENTS

- Designed for zero leakage, high reliability, and easy maintenance
- Adjustable live-loaded stem sealing system with certified packing
- Field replaceable sealing components
- Engineered for critical service applications
- Metal-to-metal sealing system is inherently fire-safe and capable of meeting zero-leakage requirements from critical service conditions
- Splined stem connection offers maximum strength and minimizes hysteresis
- Dead-end service, with bidirectional sealing and uninterrupted flange surface
- Extended neck to allow for simplified pipe insulation

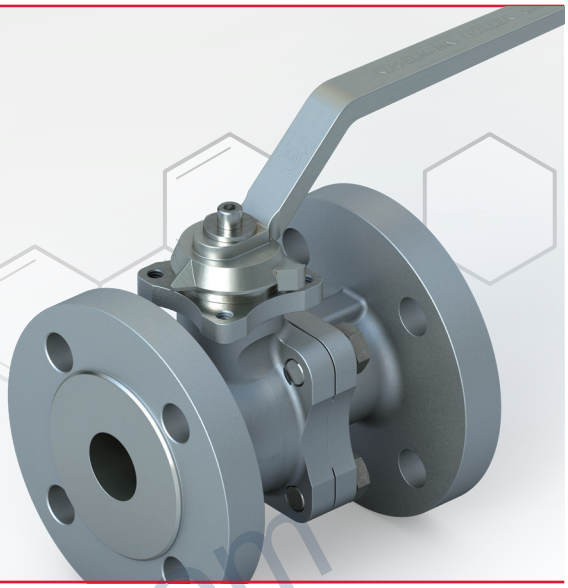


Tri Lok®-Cx
Double Flange

Size Range	DN 80 to 600	
Temperature Range*	Carbon Steel:	-10°C to 400°C
	Stainless Steel:	-60°C to 400°C
Pressure Rating	PN 10 | 25 | 40	
Body Style	Lug | Double Flange	
Flange Drilling	EN 1092-1	
Face-To-Face	Lug:	EN 558 Series 16
	Double Flange:	EN 558 Series 13
Top Flange	ISO 5211	
Tightness Test	EN 12266-1: Rate A	
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	
Compliance	NE 167 | AD2000 | DIN EN IEC 61406	

NOTE
Other sizes and specifications on request.
*For higher temperature requirements please contact your Bray team.

KM20/21
Flanged Ball Valve

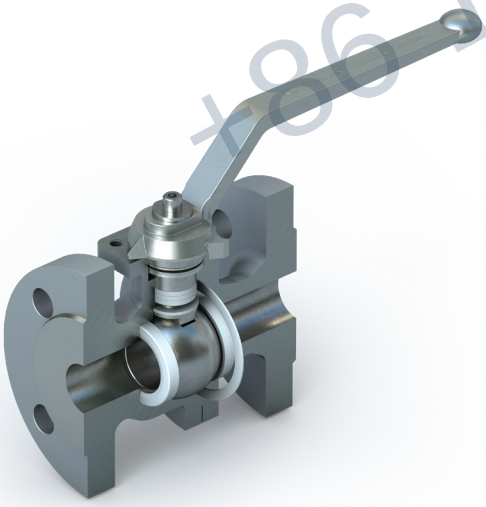


KUGELHAHN MÜLLER

SCAN ME
FOR A CLOSER LOOK

KEY ELEMENTS

- Designed for maximum safety and durability
- Adjustable live-loaded PTFE stem sealing or O-Ring sealing system with certified packing
- Easy to maintain, fully repairable, and replaceable components
- Robust construction with blowout proof stem design
- Antistatic design as standard, to ensure operational safety
- Various configuration options available, such as Fire-Safe, High-Temperature or Heat-Jacketed



KM21
PTFE Packing

Size Range	DN 15 to 200	
Temperature Range	PTFE:	-60°C to 200°C
	O-Ring:	-25°C to 200°C
Pressure Rating	PN 10 | 16 | 25 | 40	
Body Style	2-piece flanged	
Flange Drilling	EN 1092-1	
Face-To-Face	EN 558 Series 1, Series 27	
Top Flange	ISO 5211	
Tightness Test	EN 12266-1: Rate A	
Declaration of Conformity	CE | UKCA	
Pressure Equipment Directive	2014/68/EU | PE(S)R	
Machinery Directive	2006/42/EC	
Atmospheric Explosion	ATEX 2014/34/EU	
Fugitive Emissions	ISO 15848-1 | TA Luft VDI 2440	
Safety Integrity Level	IEC 61508 Parts 1-2 and 4-7:2010	
Fire-Safe (optional)	ISO 10494 | API 607	
Compliance	NE 167 | AD2000 | DIN EN IEC 61406 | EC 1935	

NOTE
Other sizes and specifications on request.
Contact Kugelhahn Müller for more information.

Cx LINE

SINCE 1986, BRAY HAS PROVIDED FLOW CONTROL SOLUTIONS
FOR A VARIETY OF INDUSTRIES AROUND THE WORLD.

VISIT **BRAY.COM** TO LEARN MORE ABOUT
BRAY PRODUCTS AND LOCATIONS NEAR YOU.

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