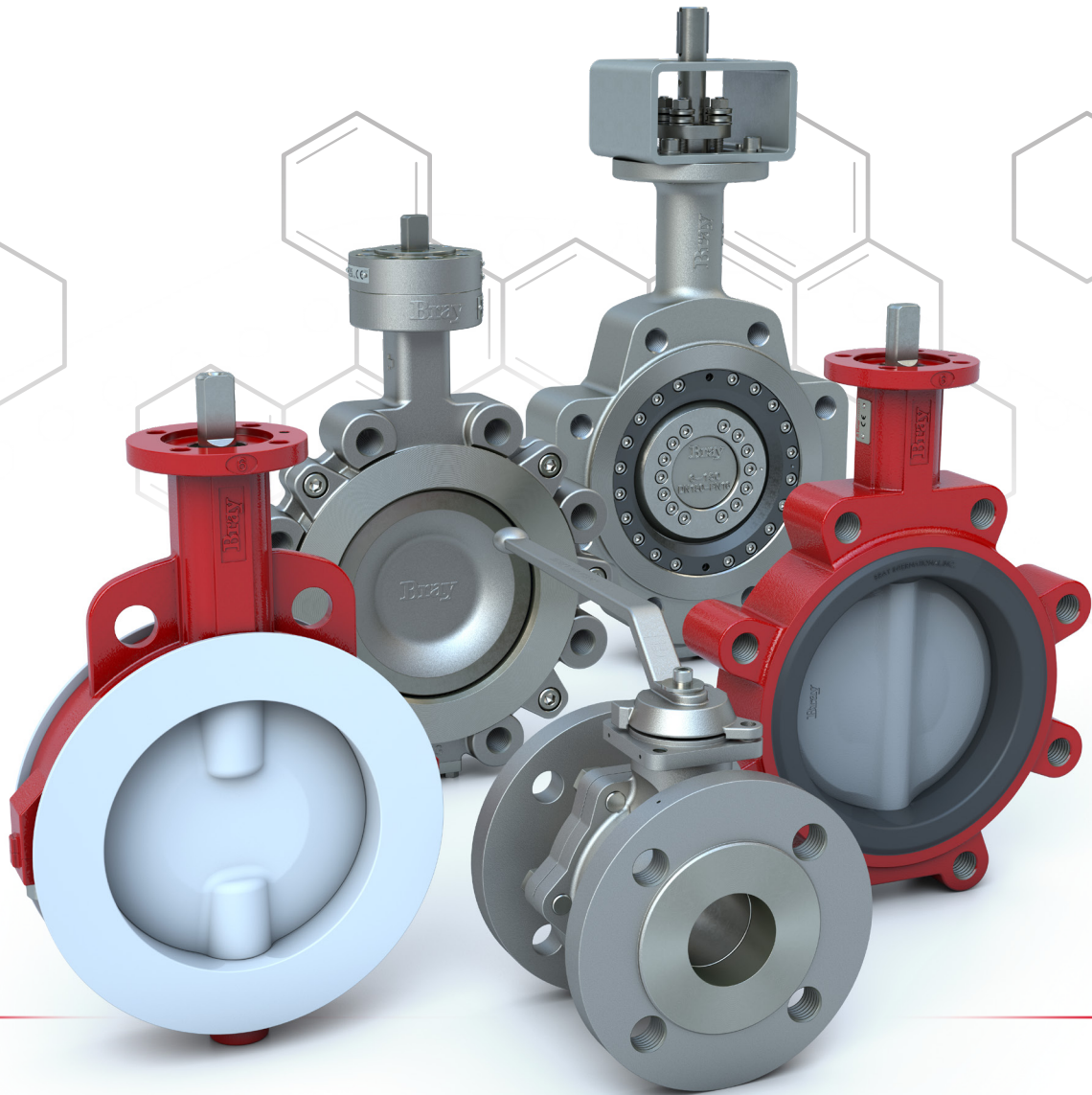




# OUR ELEMENT

SOLUTIONS FOR THE CHEMICAL INDUSTRY



 **Bray**<sup>®</sup>

[BRAY.COM](http://BRAY.COM)

THE HIGH PERFORMANCE COMPANY

# 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

Engraved on Valve ID Tag  
Captive and Unique  
Easily Scannable



#### PORTAL

Responsive Design  
Instant Access  
Multi-lingual  
DIN EN IEC 61406 Conformance



#### DOWNLOADS

Declaration of Conformity  
Sales Data Sheet  
Technical Sales Manual  
Installation, Operation and Maintenance Manual

# 2-Cx

## PTFE-Lined

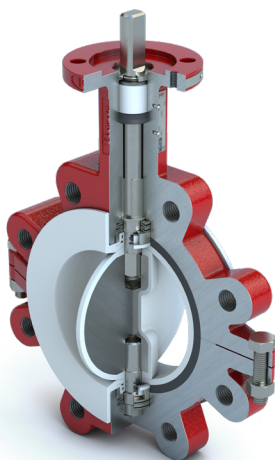


SCAN ME  
FOR A CLOSER LOOK



### 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 leakage
- > Virgin-PTFE lining (minimum 3mm) for superior chemical resistance
- > Extended neck to allow for simplified pipe insulation



2-Cx  
Lug

<b>Size Range</b>	DN 50 to 600
<b>Temperature Range</b>	-20°C to 200°C
<b>Maximum Operating Pressure</b>	10 bar
<b>Body Style</b>	Wafer   Lug
<b>Flange Drilling</b>	EN 1092-1: PN 10
<b>Face-to-Face</b>	EN 558 Series 20
<b>Top Flange</b>	ISO 5211
<b>Tightness Test</b>	EN 12266-1: Rate A
<b>Certifications</b>	2014/68/EU   2006/42/EC   ATEX 2014/34/EU ISO 15848-1   TA-Luft 2021   IEC 61508 Level 3
<b>Compliance</b>	NE 167   AD2000   DIN EN IEC 61406   EC 1395

### NOTE

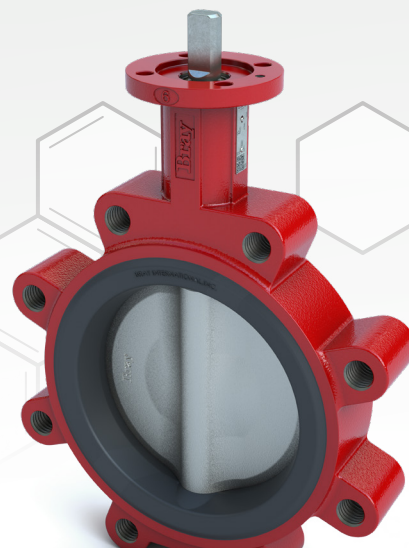
Other sizes and specifications on request. Contact Bray for more information.

# 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 reliability 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	2014/68/EU   2006/42/EC   ATEX 2014/34/EU ISO 15848-1   TA-Luft 2021   IEC 61508 Level 3
Compliance	NE 167   AD2000   DIN EN IEC 61406   EC 1935

#### NOTE

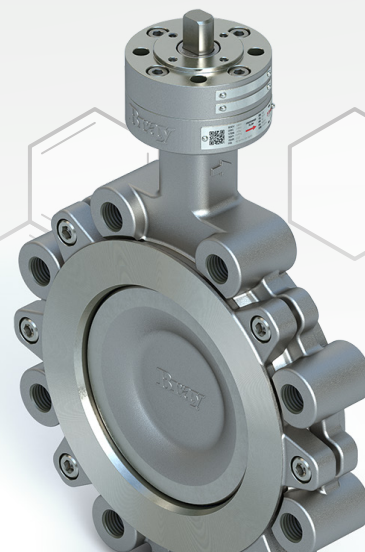
Other sizes and specifications on request. Contact Bray for more information.

# 4-Cx

## Double Offset

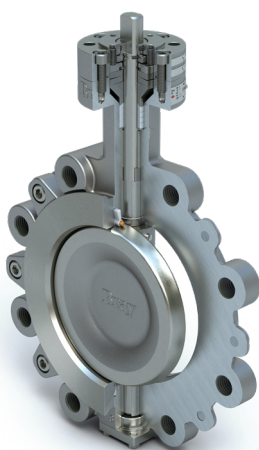


SCAN ME  
FOR A CLOSER LOOK



### 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

<b>Size Range</b>	DN 80 to 400
<b>Temperature Range</b>	Carbon Steel: -10°C to 260°C
	Stainless Steel: -29°C to 260°C
<b>Pressure Rating</b>	PN 10   16   25   40
<b>Body Style</b>	Wafer   Lug
<b>Flange Drilling</b>	EN 1092-1
<b>Face-To-Face</b>	EN 558 Series 20, Series 25
<b>Top Flange</b>	ISO 5211   NE 14
<b>Tightness Test</b>	EN 12266-1: Rate A
<b>Certifications</b>	2014/68/EU   2006/42/EC   ATEX 2014/34/EU ISO 15848-1   TA-Luft 2021   IEC 61508 Level 3
<b>Compliance</b>	NE 167   AD2000   DIN EN IEC 61406   EC 1935

### NOTE

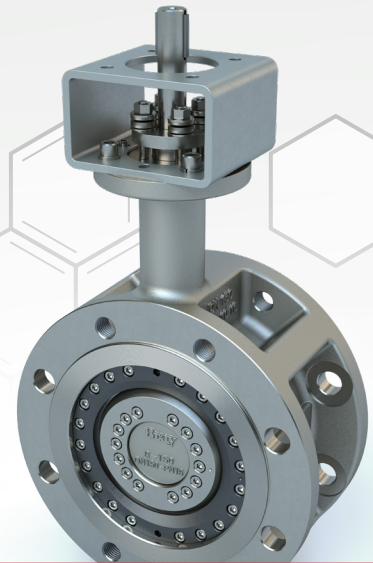
Other sizes and specifications on request. Contact Bray for more information.

# Tri Lok<sup>®</sup>-Cx

## Triple Offset

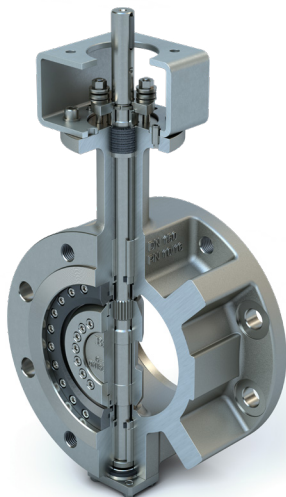


SCAN ME  
FOR A CLOSER LOOK



### 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<sup>®</sup>-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	2014/68/EU   2006/42/EC   ATEX 2014/34/EU API 607   ISO 15848-1   TA-Luft 2021   IEC 61508 Level 3
Compliance	NE 167   AD2000   DIN EN IEC 61406

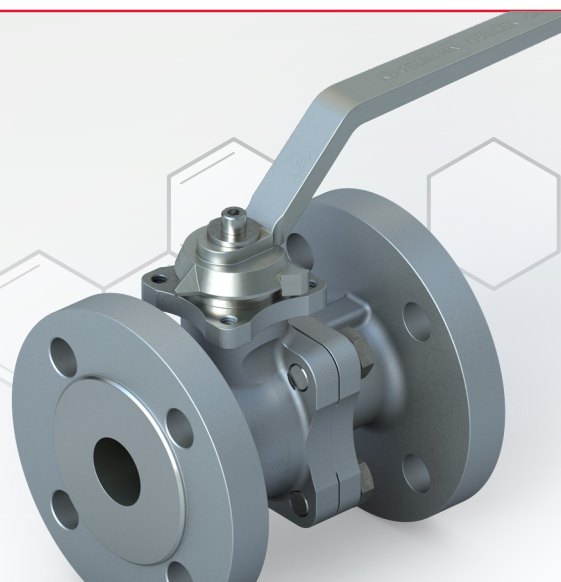
#### NOTE

Other sizes and specifications on request. Contact Bray for more information.

\*For higher temperature requirements please contact your Bray team.

# KM20/21

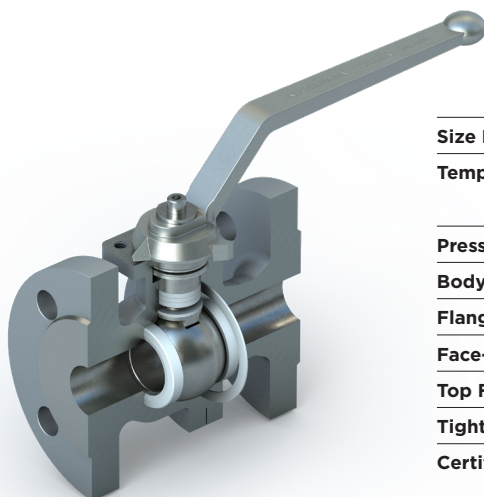
## Flanged Ball Valve



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

<b>Size Range</b>	DN 15 to 200
<b>Temperature Range</b>	PTFE: -60°C to 200°C
	O-Ring: -25°C to 200°C
<b>Pressure Rating</b>	PN 10   16   25   40
<b>Body Style</b>	2-piece flanged
<b>Flange Drilling</b>	EN 1092-1
<b>Face-To-Face</b>	EN 558 Series 1, Series 27
<b>Top Flange</b>	ISO 5211
<b>Tightness Test</b>	EN 12266-1: Rate A
<b>Certifications</b>	2014/68/EU   2006/42/EC   ATEX 2014/34/EU ISO 10494   ISO 15848-1   TA-Luft 2021   IEC 61508 Level 3
<b>Compliance</b>	NE 167   AD2000   DIN EN IEC 61406   EC 1935

### NOTE

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

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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.

## **HEADQUARTERS**

**Bray International, Inc.**

13333 Westland East Blvd.

Houston, Texas 77041

Tel: +1.281.894.5454

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