3-Cx
RESILIENT SEATED BUTTERFLY VALVE

OVERVIEW

The 3-Cx resilient seated butterfly valve features a molded-in seat, a profiled disc sealing edge, and stem bearings. These features provide optimized performance and efficient automation solutions for a long cycle life without compromising bubble tight sealing.

MEDIA

- Gas
- Vacuum
- Water
- Wastewater
- Brackish Water
- Cooling Water
- Acids
- Alkalis
- Chemicals

SPECIFICATIONS

Size Range[1]	DN 50 to 600	
Temperature Range	-20°C to 121°C	
Maximum Operating Pressure	10 bar | 16 bar	
Body Style	One-piece | Wafer, Lug	
Tightness Test	EN 12266-1 Rate A	
Velocity Limits (On-Off Service)	Fluids:	9 m/s
	Gases:	54 m/s
Vacuum Rating	0 to 0.001 micron	

NOTES
1 Other sizes on request.

MATERIAL OPTIONS[1]

Body	Ductile Iron, Low Temperature (EN 5.3103)
Disc	Stainless Steel (EN 1.4408)
Stem	Stainless Steel (EN 1.4542)
Seat	EPDM (molded-in)

NOTES
1 Other materials are available on request.

DESIGN STANDARDS

Valve Design	EN 12569 | EN 593 | NE 167
Material Standard	EN 16668 | AD2000 W0
Food Contact	EC 1935
Marking	EN 19 | DIN EN IEC 61406 | DIN 91406
Top Flange	ISO 5211
Flange Drilling	EN 1092-1 PN 10 | PN 16
Face-to-Face	EN 558 Series 20
Testing Standard	EN 12266-1 & 2
AutoID/ID Link	DIN 91406/IEC 61406

CERTIFICATIONS & APPROVALS

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

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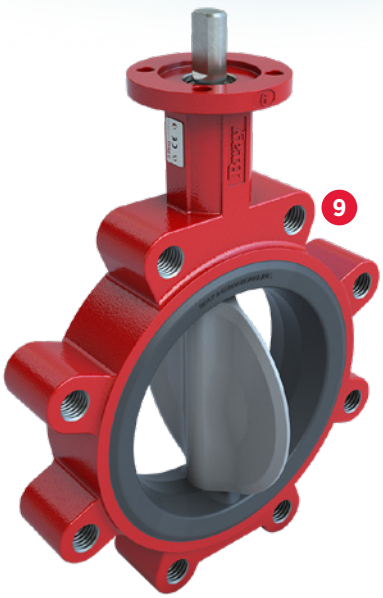
FEATURES

1. **ANTI-STATIC:** Electrostatic discharge through anti-static design (grounding device and top flange drilling).
2. **STEM DESIGN:** The high-strength stem design includes blowout-proof functionality for safe operation and excpetional service life.
3. **STEM BUSHING:** Non-corrosive, heavy duty acetal bushing absorbs actuator side thrust.
4. **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.
5. **ROBUST FLANGE SEALING:** Tear-drop shaped seat face enables tight sealing with a wide variety of industrial flanges.
6. **MOLDED-IN SEAT:** Tightly controlled molding process produces accurate and repeatable dimensions, which leads to consistently lower torques over the valve's lifetime.
7. **PRECISION PROFILED DISC SEALING EDGE:** Extends the valve life by reducing seat wear.
8. **UPPER AND LOWER STEM BEARINGS:** Reduce operating torque and increase reliability in high cycle applications.
9. **END OF LINE CAPABILITY:** Lug style valve allows for sealing at full rated pressure, even when the downstream flange is removed.

WAFER BODY STYLE



LUG BODY STYLE

Further product information and downloads can be found at BRAY.COM.

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