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

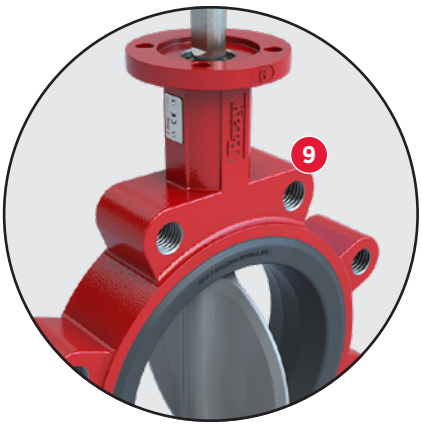
Valve Design	EN 12569 | EN 593 | NE 167
Material Standard	EN 16668 | AD2000 W0
Food Contact	EC 1935
Marking	EN 19 | DIN EN IEC 61406 | DIN 91406
Top Flange	ISO 5211
Flange Drilling	EN 1092-1 PN 10 | PN 16
Face-to-Face	EN 558 Series 20
Testing Standard	EN 12266-1 & 2
AutoID/ID Link	DIN 91406/IEC 61406

CERTIFICATIONS & APPROVALS

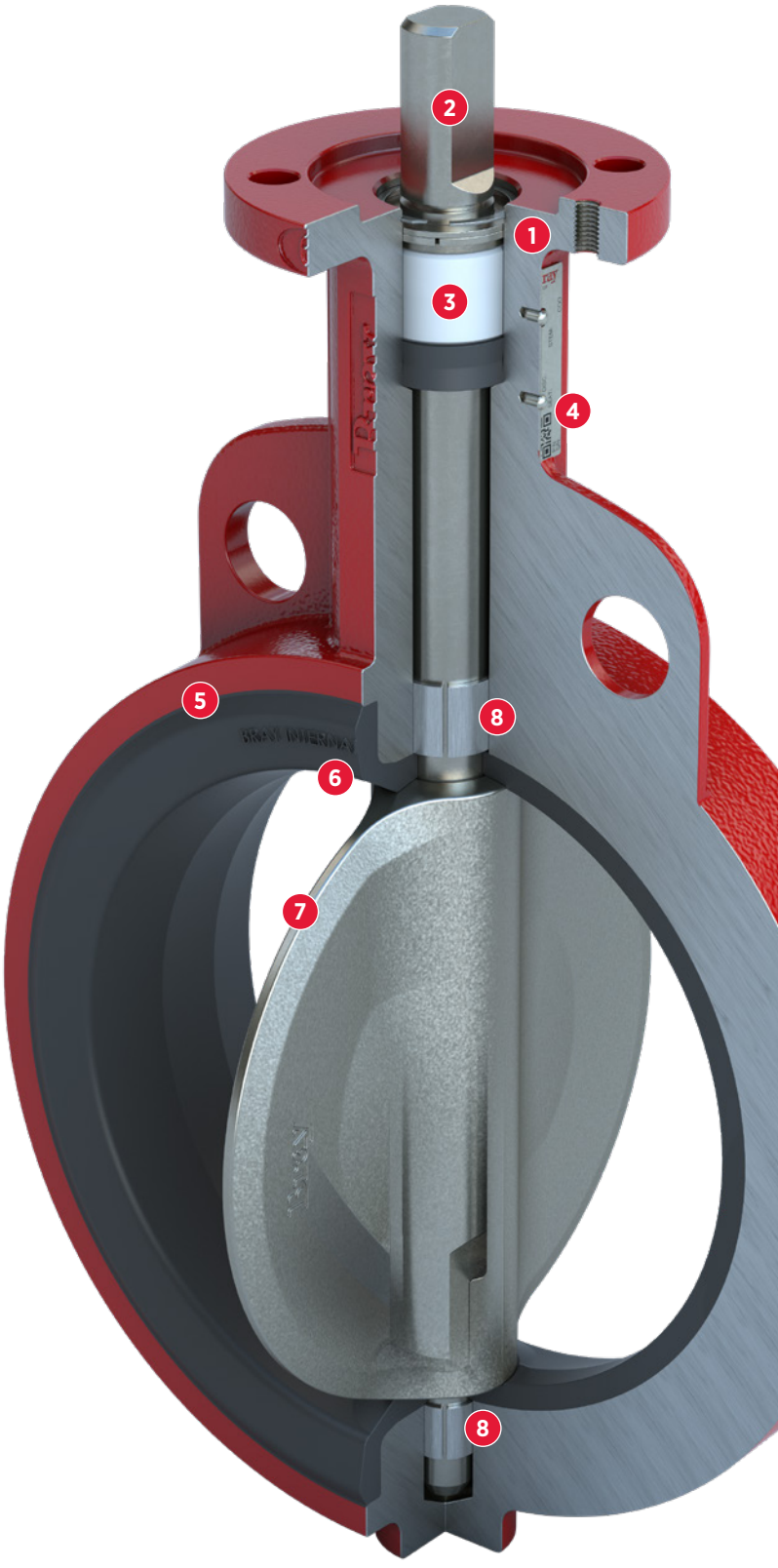
Certifications	CE: PED 2014/68/EU
	SIL 3 capable
Fugitive Emissions	ISO 15848-1
	TA-Luft 2021
Approvals	ATEX 2014/34/EU

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.



LUG BODY STYLE



WAFER BODY STYLE