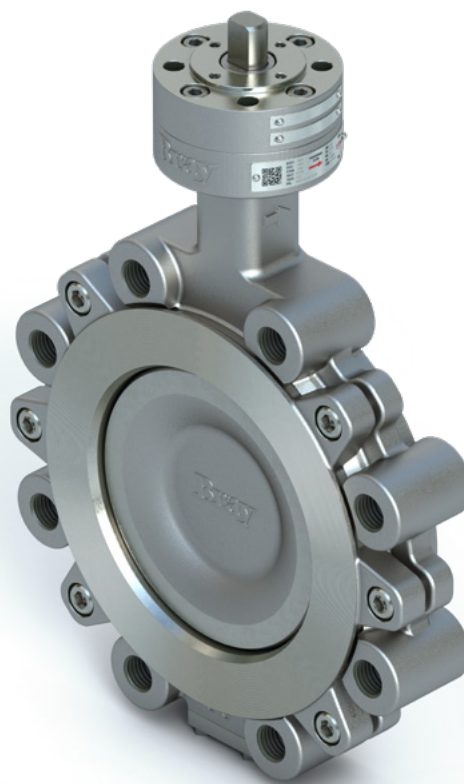


HIGH PERFORMANCE BUTTERFLY VALVE

Featuring Bray's patented, award-winning design, this double offset high performance butterfly valve is precision engineered to deliver **quality**, **value**, and **reliability** in the most demanding chemical applications.

MEDIA

- > Carbon monoxide
- > Carbon dioxide
- > Chemicals
- > Gasoline
- > Hot gases
- > Methanol
- > Propane
- > Sour gas
- > Tail gases



SPECIFICATIONS

Size Range ¹	DN 80 to 400
Temperature Range	Carbon Steel: -10°C to 260°C
	Stainless Steel: -29°C to 260°C
Pressure Rating	PN 10, PN 16, PN 25, PN 40
Body Style	Wafer Lug
Tightness Test	EN 12266-1 Rate A

NOTES

¹ Other sizes are available on request.

MATERIAL OPTIONS¹

Body	Carbon Steel (EN 1.0619)
	Stainless Steel (EN 1.4408)
Disc	Stainless Steel (EN 1.4408)
Stem	Stainless Steel (EN 1.4542)
Seat	RPTFE
	PTFE

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 NE 14
Flange Drilling	EN 1092-1
Face-to-Face	EN 558 Series 20, Series 25
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

- 1 TRAVEL STOP:** Integrated into the top flange, allows for an uninterrupted fluid bore optimizing the flow path and reducing potential turbulence. The robust travel stop outperforms pinned designs, as it offers increased shear area to withstand high torque loads.
- 2 STEM DESIGN:** High strength, one-piece stem design for safe operation and exceptional service life.
- 3 BLOWOUT-PROOF DESIGN:** Stem is retained by the travel stop and bolted top plate design. This design encapsulates all components and does not rely on actuation to ensure operator safety.
- 4 STEM PACKING SYSTEM:** Fully-adjustable, live-loaded and field-replaceable stem packing system is certified to international fugitive emission standards.
- 5 ENVIRONMENTAL PROTECTION:** O-ring seals in the top plate design prevent any external media from entering the valve stem bore.
- 6 SEAT DESIGN:** Provides bidirectional zero-leakage sealing while isolating the energizer from the line media.
- 7 PRESSURE ASSISTED SEALING:** Enables optimal bidirectional sealing performance for low and high pressures.
- 8 DISC DESIGN:** Engineered to optimize flow rates and seat service life.
- 9 FULL-FACED SEAT RETAINER:** Uninterrupted design provides a high integrity sealing surface with mating flanges.
- 10 STEM BEARINGS:** Top and bottom bearings securely support the stem, provide excellent corrosion resistance, and minimize deflection from mechanical loading forces.
- 11 BODY:** Extended neck allows access for stem packing adjustments and actuator mounting when valve is fully insulated.
- 12 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.

