

Product Specification for Resilient Seated Butterfly Valve For Special Applications

Valve Type: Series 5C Wafer or Series 5D Lugged

Body:

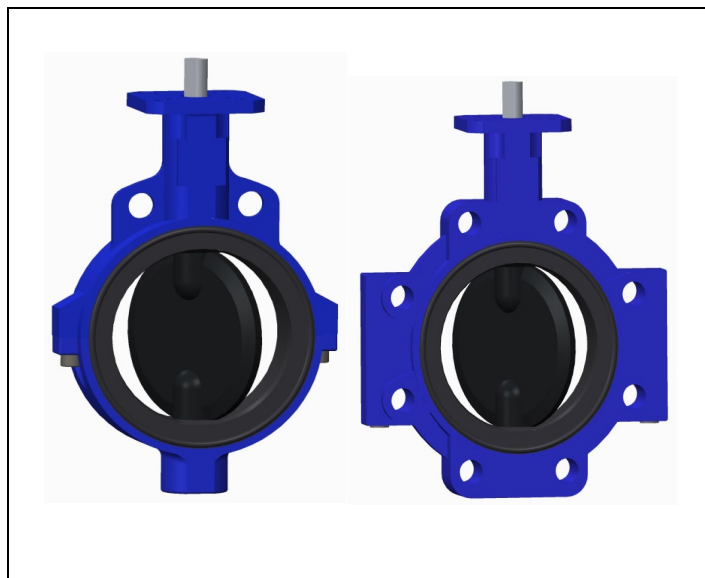
- Heavy-duty, two-piece body with extended neck for 2" piping insulation. Standard coating is two coats of hard, zinc-rich epoxy primer and polyurethane top coat for excellent corrosion resistance.
- Flange locating holes shall be provided on wafer bodies to allow for quick and precise alignment during valve installation.
- Flange hole drilling as per international flange standard as specified.
- Heavy-duty acetal bushing absorbs the forces acting on the stem/disc assembly due to line pressure.
- Upper and lower bearing securely support stem and isolate stem contact from valve body hence torques are reduced.

Disc / Stem:

- One-piece disc/stem in high strength design. Available in options such as fully encased (thin profile) in either EPDM or NBR covered with the covering extending on the stem in the sealing area. SS316 with highly polished surface for food and pharmaceutical industries.

Seat:

- Unique "Center-Lok" seat design virtually eliminates any seat movement during the seating and unseating of the disc.
- Heavy duty square grooved seat design has molded O-ring seals to serve as flange gaskets.
- Double O-rings are molded in both upper and lower journals providing a superior secondary seal.



Bi-directional Service: (With downstream flanges and disc in closed position)

2"-24" (DN 50 – DN 600) 150 psi (10.0 barg)

Dead-End Service: (No downstream flanges and disc in closed position)

2"-24" (DN 50 – DN 600) 150 psi (10.0 barg)

Design: BS EN 593

Testing: BS EN 12266-1 & ISO 5208

Approvals & Certifications:

- CE/PED Certification

Material of Construction:

- **Body:** ASTM A126 Gr B / ASTM A395 Gr 60-40-18 / ASTM A216 Gr WCB
- **Disc / STEM:**
 - a) Stainless Steel / Duplex Steel
 - 2"-12" (DN50-DN300) One Piece Investment Cast
 - 14"-24" (DN350-DN600) One Piece Fabricated.
 - b) High Polished Stainless Steel
 - 2"-24" (DN50-DN600) One Piece Fabricated.
 - c) Elastomer lined
 - 2"-24" (DN50-DN600) EPDM lined over Carbon steel + SS410 One Piece Fabricated Disc / Stem
 - 2"-24" (DN50-DN600) NBR lined over Carbon steel + SS410 One Piece Fabricated Disc / Stem
 - d) Halar Coated
 - 2"-12" (DN50-DN300) Halar coated over One Piece Investment Cast Stainless steel Disc / Stem
 - 14"-24" (DN350-DN600) Halar coated over One Piece One Piece Fabricated Disc / Stem.
- **Seat:**
 - a) EPDM / WHITE EPDM – Food Grade
 - b) BUNA – N / WHITE BUNA – N - Food Grade
 - c) VITON (FKM) / SILICONE.

Seat Temperature Range:

Seat Type	Temperature Range	
	Min.	Max.
EPDM / WHITE EPDM	-20 ^o F (-29 ^o C)	302 ^o F (150 ^o C)
BUNA - N / WHITE BUNA - N	0 ^o F (-18 ^o C)	212 ^o F (100 ^o C)
Viton (FKM)	0 ^o F (-18 ^o C)	392 ^o F (200 ^o C)
Silicone*	-58 ^o F (-50 ^o C)	392 ^o F (200 ^o C)

*Max. pressure rating limited to 6 Bar.