

Product Specification for Resilient Seated Centric Butterfly Valves

Valve Type: Series 59 Wafer Style, short Neck, notched Body.

Body:

- Shall be one-piece wafer, short neck, notched body.
- Flange locating notches provided to allow for quick and precise alignment during valve installation.
- Suitable to installation between ASME Class 150/125 flanges and light weight industrial flanges (TTMA).
- A non-corrosive bushing and a self-adjusting stem seal shall be provided. No field adjustment shall be necessary to maintain optimum field performance.

Disc:

- High strength disc with polished edge and hub. Option of corrosion resistant coating of Nylon PA 12 ensures excellent resistance to several chemical media. The hard, non-porous sintered polymer has very low hygroscopicity and is suitable for use in drinking water and non-alcoholic food safe applications

Stem:

- Shall be one-piece design. The high strength, stainless steel one-piece stem provides maximum strength for high torque applications.
- Close tolerance double-D drive eliminates the need for disc screws or taper pins.
- Unique stem retention system provides Anti-blow out proof stem and easy assembly and disassembly of valve.
- Dry stem journal reduces potential for leakage.

Seat:

- In-situ molded body seat design provides complete isolation of flowing media from the body.
- The seat also features face molded O-ring which eliminates the use of flange gaskets.

Material of Construction:



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

2"-12" (DN 50 – DN 300) 175 psi

Design: BS EN 593

Testing: API 598, BS EN 12266-1

Approvals & certifications: -

- PED Certification

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- **Body:** CI ASTM A126 CLASS-B / DI ASTM A395 Gr 60-40-18.
 - **Disc:** DI ASTM A536 Gr. 65-45-12 + Nylon 12 Coated / DI ASTM A536 Gr. 65-45-12 + Aroxy Coated / ASTM A351 CF8/CF8M.
 - **Seat (in-situ molded):** EPDM /NBR (Buna-N)/Viton[®] (FKM)
NOTE: BUNA-N AND EPDM SEATS ARE SILICON FREE, PEROXIDE CURED AND ARE FOOD GRADE MATERIAL.
 - **Stem:** ASTM A479 SS410

***Seat Temperature Range:**

Seat Type	Temperature Range	
	Min.	Max.
EPDM	-20 [°] F (-29 [°] C)	302 [°] F (150 [°] C)
NBR (BUNA – N)	0 [°] F (-18 [°] C)	212 [°] F (100 [°] C)
Viton [®] (FKM)	0 [°] F (-18 [°] C)	390 [°] F (200 [°] C)

*Temperature range shall be lesser of the seat temperature or disc coating temperature.