

## Product Specification for Resilient Seated Centric Butterfly Valves

### Valve Type: Series 58, Double Flanged Body

#### Body:

- Shall be one-piece double flange design and comply with API 609 Table 3C double flange short pattern for face to face.
- Flange hole drilling as per international flange standard as specified.
- 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. Optional Nylon PA 12 coated disc 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:

- Dry stem journal reduces potential for leakage.
- Stem with close tolerance square/double-D drive eliminates the need of disc screws and taper pins.
- Unique stem retention system provides Anti-blow out proof stem and easy assembly and disassembly of valve.

#### Seat:

- In-situ molded 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.



#### Bi-directional Service and Dead-End Service:

2"-24" (DN 50 – DN 600) 285 psi (20 barg)  
26"-48" (DN 650 – DN 1200) 230 psi (16 barg)

**Design:** API 609, BS EN 593.

**Testing:** API 598, BS EN 12666-1.

#### Approvals & Certifications:

- PED Certification
- MARINE
- API Certification

**Material of Construction:**

- **Body:** ASTM A126 Class-B / ASTM A395 60-40-18 / ASTM A216 WCB/ASTM A351 CF8M/CF3M.
- **Disc:** ASTM A536 65-45-12 + NYLON 12 COATED/ ASTM A536 65-45-12 + AROXY COATED / ASTM A351 CF8M/CF3M / NAB ASTM B148 C95800.
- **Seat:** EPDM/NBR (BUNA – N) /VITON<sup>®</sup> (FKM).  
 NOTE: BUNA-N AND EPDM SEATS ARE SILICON FREE, PEROXIDE CURED AND ARE FOOD GRADE MATERIAL.
- **Stem:** ASTM A479 SS410-L2 / ASTM A564 TYPE 630 (17-4-PH), ASTM A182 F51/F55/ASTM A479 SS316

**\*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 <sup>®</sup> (FKM)	0° F (-18° C)	390° F (200° C)

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