

## VALVE DETAILS

- > Series 30/31 Resilient Seated Butterfly Valve
- > Wafer | Lug
- > NPS 2 to 20 | DN 50 to 500

## BODY

- > Shall be one-piece wafer or lug design with extended neck to allow for 2" of piping insulation.
- > Flange locating holes shall be provided on wafer bodies to allow for quick and precise alignment during valve installation.
- > Flange hole drilling per international flange standard as specified.
- > The only internal wetted parts of the valve should be the disc and seat.

## DISC

- > Disc edge and hub on metal discs shall be spherically machined and hand polished for torque and maximum sealing capability.

## STEM

- > Shall be one-piece design.
- > Disc to stem connection shall be an internal double "D" design with no possible leak paths in the disc-to-stem connection. External disc-to-stem connections such as disc screws or pins are not allowed.
- > Stem shall be mechanically retained in the body neck and no part of the stem shall be exposed to the line media.
- > Stem shall not be a wetted part.

## SEAT

- > Shall be tongue-and-groove seat with a primary hub seal and a molded flange O-ring for weld neck and slip-on flanges.
- > The seat shall totally encapsulate the body isolating it from the line media and no flange gaskets shall be required.
- > Seat shall be peroxide cured to prevent oxidation on seat surface to ensure low torques through life of the valve.

## PACKING AND BEARINGS

- > A non-corrosive bushing and a self-adjusting stem seal shall be provided.
- > No field adjustment shall be necessary to maintain optimum field performance.

## APPROVALS AND CERTIFICATIONS

- > CE/PED Certification > ABS
- > NSF/ANSI 61 and 372 > Bureau Veritas
- > SIL > DNV



## VALVE ACTUATOR MOUNTING PAD

- > ISO 5211

## TESTING

- > Manufactured, assembled, and tested in compliance with a written ISO 9001 Quality Assurance Program.
- > Valve shall be tested to 110% of the rated pressure.

## PRESSURE RATINGS

- > Valve shall be rated for bubble-tight shut-off at pressure rating shown below.

### BI-DIRECTIONAL

#### Standard Disc

- > NPS 2 to 12 | DN 50 to 300
  - 175 psi (12.0 bar)
- > NPS 14 to 20 | DN 350 to 500
  - 150 psi (10.3 bar)

### DEAD-END SERVICE (LUG BODY ONLY WITH DOWNSTREAM FLANGE REMOVED)

#### Standard Disc

- > NPS 2 to 12 | DN 50 to 300
  - 75 psi (5.2 bar)
- > NPS 14 to 20 | DN 350 to 500
  - 50 psi (3.4 bar)