

## VALVE DETAILS

- > Series 35/36 Resilient Seated Butterfly Valve
- > Double Flanged
- > NPS 22 to 120 | DN 550 to 3000

## BODY

- > Shall be one-piece double flanged design.
- > 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 two-piece design.
- > Disc to stem connection shall be an internal connection 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 provided with blow-out proof stem retention system to assure full retention of the stem in the unlikely event of an internal stem failure.
- > 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

- > Equipped with an externally adjustable stem packing system that allows packing adjustment without removing the actuator.
- > Provided with upper and lower bronze stem bearings to absorb actuator side thrust and minimize friction torque.

## APPROVALS AND CERTIFICATIONS

- > CE/PED Certification
- > NSF/ANSI 61 and 372
- > SIL
- > ABS
- > Bureau Veritas
- > 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 Series 35

- > NPS 22 to 120 | DN 550 to 3000
- 75 psi (5.2 bar)

#### Standard Disc Series 36

- > NPS 22 to 120 | DN 550 to 3000
- 150 psi (10.3 bar)

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

#### Standard Disc Series 35

- > NPS 22 to 120 | DN 550 to 3000
- 30 psi (2.1 bar)

#### Standard Disc Series 36

- > NPS 22 to 120 | DN 550 to 3000
- 50 psi (3.4 bar)