

BRAY RECOMMENDED SPECIFICATIONS

Series 32/33 Resilient Seated Valve

Valve Type:

Bray Series 32 or Series 33 wafer or approved equal.

Body:

- Shall be one-piece wafer design.
- Flange hole drilling 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:

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

Stem:

- Shall be one-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.

Seat:

- Shall be tongue-and-groove seat with a primary hub seal and a molded flange O-ring suitable 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.

Testing:

- Valve shall be tested to 110% of the rated pressure.

Approvals & Certifications:

- CE/PED Certification
- NSF/ANSI 61-2008 Certification (Potable Water)
- SIL Certification
- ABS Certification
- Bureau Veritas Certification
- DNV

**Pressure Ratings:**

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

Bi-directional Service

(With downstream flanges and disc in closed position):

**All Resilient Seated Series 32 Valves
(with Standard Disc):**

- 22"-36" (550mm-900mm) 75 psi (5.2 Bar)

**All Resilient Seated Series 33 Valves
(with Standard Disc):**

- 22"-36" (550mm-900mm) 150 psi (10.3 Bar)