

**BRAY RECOMMENDED SPECIFICATIONS****Series 32/33 Resilient Seated Valve****The Valve shall be Bray Series 32 or Series 33 Wafer or approved equal.**

The valve body shall be one-piece wafer design, have flange hole drilling per international flange standards and be provided with a non-corrosive bushing and self-adjusting stem seal. The valve disc edge and hub on metal discs shall be spherically machined and hand polished for minimum torque and maximum sealing capability. The disc-to-stem connection shall be an internal design with no possible leak paths in the disc-to-stem connection. External disc-to-stem connections such as screws or pins are not allowed. The valve stem shall be one-piece design and be provided with a blow-out stem retention system to assure full retention of the stem in the unlikely event of an internal stem failure and no part of the stem shall be exposed to the line media. The valve seat shall be a tongue-and groove design 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 the body from the line media and no flange gaskets shall be required.

The Valve shall be rated for bubble-tight shut-off per the following:

Bidirectional Service:

Series 32: 75 psi (5.2 Bar) on sizes 22"-36" (550mm-900mm).

Series 33: 150 psi (10.3 Bar) on sizes 22"-36" (550mm-900mm).

The valve shall be tested for tight shut-off to 110% of the rated pressure.

The Valve shall have the following approvals and certifications: CE/PED Certification, NSF/ANSI 61-2008 (Potable Water) Certification, SIL, ABS, Bureau Veritas, DNV