

**BRAY RECOMMENDED SPECIFICATIONS****Series 30/31 Resilient Seated Valve****The Valve shall be Bray Series 30 Wafer or Series 31 Lug or approved equal.**

The valve body shall be one-piece wafer or lug design with extended neck to allow for 2” of piping insulation, have flange hole drilling per international flange standards and be provided with a non-corrosive bushing and self-adjusting stem seal. Flange locating holes shall be provided on wafer bodies to allow for quick and precise alignment during valve installation.

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 double “D” 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 mechanically retained in the body neck 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 wafer or lug valve shall be rated for bubble-tight shut-off for bidirectional service to 175 psi (12.0 Bar) on sizes 2”-12” (50mm-300mm) and to 150 psi (10.3 Bar) on sizes 14”-20” (350mm-500mm). The lug valve shall be rated for bubble-tight shut-off for dead-end service to 75 psi (5.2 Bar) on sizes 2”-12” (50mm-300mm) and to 50 psi on sizes 14”-20” (350mm-500mm).

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