

BRAY RECOMMENDED SPECIFICATIONS**Series 35/36 Resilient Seated Valve****The Valve shall be Bray Series 35 or Series 36 Double Flanged or approved equal.**

The valve body shall be one-piece double flanged design, have flange hole drilling per international flange standards and be provided with an externally adjustable stem packing system that allows packing adjustment without removing the actuator.

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, be provided with a blow-out proof 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 35 – 75 psi (5.2 Bar) on sizes 22”-120” (550mm-3000mm)

Series 36 – 150 psi (10.3 Bar) on sizes 22”-120” (550mm-3000mm)

Dead-end Service:

Series 35 – 30 psi (2.1 Bar) on sizes 22”-120” (550mm-3000mm)

Series 36 – 50 psi (3.4 Bar) on sizes 22”-120” (550mm-3000mm)

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