

**BRAY RECOMMENDED SPECIFICATIONS**

## Series 35/36 Resilient Seated Valve

**Valve Type:**

**Bray Series 35 or Series 36 Double Flanged or approved equal.**

**Body:**

- Shall be one-piece double flanged design.
- Flange hole drilling per international flange standard as specified.
- Provided with upper and lower bronze stem bearings to absorb actuator side thrust and minimize friction torque.
- Equipped with an externally adjustable stem packing system that allows packing adjustment without removing the actuator.

**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 35 Valves  
(with Standard Disc):**

- 22"-120" (550-3000mm) 75 psi (5.2 Bar)

**All Resilient Seated Series 36 Valves  
(with Standard Disc):**

- 22"-120" (550-3000mm) 150 psi (10.3 Bar)

**Dead-End Service**

**(No downstream flanges and disc in closed position):**

**All Series 35 Valves (with Standard Disc):**

- 22"-120" (550-3000mm) 30 psi (2.1Bar)

**All Series 36 Valves (with Standard Disc):**

- 22"-120" (550-3000mm) 50 psi (3.4 Bar)