

BRAY RECOMMENDED SPECIFICATIONS

Series 35F Resilient Seated Valve

Valve Type:**Bray Series 35F 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

**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 35F Valves:

- 32"- 60" (800mm-1500mm) 75 psi (5.2 Bar)

Dead-End Service

(No downstream flanges and disc in closed position):

All Series 35F Valves:

- 32"- 60" (800mm-1500mm) 30 psi (2.1Bar)