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 (2.1 Bar)
- All Series 36 Valves (with Standard Disc):
  • 22"-120" (550-3000mm) 50 psi (3.4 Bar)