

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

The valve body shall be one-piece 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

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 bonded, 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 for bidirectional and dead-end service to 285 psi (20.0 Bar) on sizes 2"-20" (50mm-500mm).

The valve shall be tested for tight shut-off to 110% of the rated pressure.

