

**RECOMMENDED SPECIFICATIONS FOR BRAY SERIES 39L VALVES**



**Valve Type:**

- **Bray Series 39L wafer or Series 39L long body double flange design or approved equal.**

**Body:**

- Shall be one piece wafer or double flanged design.
- Sizes 2"-6" (50mm-150mm) shall be compact wafer style
- Sizes 8"-20" (9200mm-500mm) shall be long body double flanged style.
- Material shall be ductile iron or stainless steel.
- Flange hole drilling per international flange standard as specified.
- Equipped with an externally adjustable stem packing system that allows packing adjustment without removing the actuator.

- The body shall be provided with a base plug and cover to provide a means of adjusting the position of the disc to assure proper clearance of the two cylindrical ceramic (PSZ) hubs.

**Disc:**

- Shall be a single offset design
- Material shall be Chrome-Molly Iron or PSZ (Partially Stabilized Zirconia) Ceramic.
- The disc shall be a 360° swing through design with no seating on the ceramic liner.
- The disc shall be held in position by two cylindrical ceramic (PSZ) hubs having minimal clearance with the disc and acting as a running surface for the disc.

**Stem:**

- Shall be a one-piece design.
- Material shall be 17-4PH stainless steel.
- Disc to stem connection shall be an internal hex double "D" design with no possible leak paths in disc-to-stem connection. External disc-to-stem connections such as disc screws or pins are not allowed.
- Shall 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.

**Ceramic Liner:**

- The seat shall be bonded to the body and totally encapsulate the body isolating it from the line media.
- Material shall be S-SiC (Sintered Silicon Carbide) Ceramic.