

### RECOMMENDED SPECIFICATIONS FOR BRAY SERIES 3A/3AH VALVES



#### Valve Type:

- Bray Series 3A or Series 3AH double flanged or approved equal.

#### Body:

- Shall be one piece double flanged design and comply with ISO 5752 - Table 2 (Short pattern) face-to-face.
- Material shall be polyester coated cast iron
- Flange hole drilling per international flange standard as specified.
- A non-corrosive bushing and a self-adjusting stem seal shall be provided. No field adjustment shall be necessary to maintain optimum field performance.

#### 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 a one-piece design.
- Disc to stem connection shall be an internal 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.
- Stem shall be mechanically retained in body neck and no part of the stem shall be exposed to line media.

#### Seat:

- Shall be tongue-and-groove bonded seat with a primary hub seal and a molded 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.

#### Pressure Ratings:

- Valve shall be rated for bi-directional tight shut-off at full pressure rating.
- Valve shall be tested to 110% of the full pressure rating.

#### • Bi-directional and Dead-End Service:

##### Series 3A Valves

##### (with Standard Disc):

- 2" -12" (50mm-300mm)  
175 psi (12 Bar)

- 14" -20" (350mm-500mm)  
150 psi (10.3 Bar)

##### Series 3AH Valves

##### (with Standard Disc):

- 2" -20" (50mm-500mm)  
250 psi (17.2 Bar)