

BRAY RECOMMENDED SPECIFICATIONS

Series 3A

Valve Type:

Bray Series 3A Double Flanged or approved equal.

Body:

- Shall be one-piece double flanged and comply with ISO 5752 – Table 2 (Short pattern) face-to-face with extended neck to allow for 2" of piping insulation.
- 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 one-piece design
- 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 disc screws or pins are not allowed.
- Stem shall be mechanically retained in the body neck and no part of the stem shall be exposed to the line media.

Seat:

- Shall be a bonded 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 the body from the line media and no flange gaskets shall be required.

Testing:

- Valve shall be tested to 110% of the rated pressure.



Pressure Ratings:

Valve shall be rated for bubble-tight shut-off at pressure rating shown below:

Bi-directional and Dead-End Service:

All Resilient Seated Series 3A Valves (with Standard Disc):

- 2"-12" (50mm-300mm) 175 psi (12.0 Bar)
- 14"-20" (350mm-500mm) 150 psi (10.3 Bar)

Approvals & Certifications:

- SIL Certification
- ABS Certification
- Bureau Veritas Certification
- China Classification Society (CCS)
- DNV

BRAY RECOMMENDED SPECIFICATIONS

Series 3AH

Valve Type:

Bray Series 3AH Double Flanged or approved equal.

Body:

- Shall be one-piece double flanged and comply with ISO 5752 – Table 2 (Short pattern) face-to-face with extended neck to allow for 2" of piping insulation.
- 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 one-piece design
- Disc to stem connection shall be and internal double "D" 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 mechanically retained in the body neck and no part of the stem shall be exposed to the line media.

Seat:

- Shall be a bonded 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.

Pressure Ratings:

Valve shall be rated for bubble-tight shut-off at pressure rating shown below.

Bi-directional and Dead-End Service:

All Resilient Seated Series 3AH Valves:

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