

Product Specification for Floating Ball Valve

Valve Type: Series 65-72 two-piece body flanged

Valve Body:

- Flanged two-piece cast construction.
- Flanges are raised face and serrated as per ASME B16.5

ISO Top Flange:

- Integral Top flange is designed as per DIN EN ISO 5211 for direct mounting of actuators and gears

Solid, One-Piece Ball:

- Precision 316 stainless steel ball as standard.
- Vented ball equalizes body cavity pressure in open position and prevents possible seat damage.

Stem:

- Anti-static & Anti-Blow out Stem.

Seat:

- Bubble-tight sealing at high and low temperature. Ultra as standard seat maintains excellent chemical resistance and thermal stability as conventional carbon-graphite filled PTFE.

Anti-static Device:

- Anti-static device as a standard feature.

Pad Lock Plate:

- Integral padlocking facility as standard.

Stem Packing:

- Spring energized packing to compensate for wear and temperature changes.
- O-ring provides sealing against fugitive emissions.

High cycle life:

- Lower operating torque for ease of operation and reduced actuator cost
- Extended cycle life

Body Cavity Drain Plug:

- Body cavity drain plug facility is available on request.



Material of Construction:

- **Body:** ASTM A216 WCB / WCC
ASTM A352 LCB / LCC
ASTM A351 CF8M
- **Ball:** ASTM A351 CF8M/CF8/CF3M
- **Seat:** ULTRA, PTFE, RPTFE, PEEK
- **Stem:** ASTM A479 SS316 / S38103 (F51)
- **Stem Packing:** Graphite
- **Body Gasket:** Graphite

Working Temperature:

- **PTFE:** -40 °F TO 392 °F (-40 °C TO 200 °C)
- **RPTFE:** -58 °F TO 428 °F (-50 °C TO 220 °C)
- **ULTRA:** -58 °F TO 500 °F (-50 °C TO 260 °C)
- **PEEK:** -58 °F TO 500 °F (-50 °C TO 260 °C)

Size Range: 1/2" to 12"

Rating: ASME Class 150, 300, 600, 900

Design: API 6D, BS EN ISO 17292, API 608

Testing: API 6D / API 598 / ISO 5208

Face to Face: API 6D / ASME B16.10

Flange Standard: ASME B16.5

Pressure Temperature: ASME B16.34

Fire Safe Certified: API 607 / ISO 10497

Approvals & Certifications:

- API 6D
- PED/ATEX
- SIL
- NSF/ANSI 61
- IBR
- TR CU 032 – EAC
- TR CU 012 - EAC

Special Applications:

- Chemical,
- Petrochemical
- Pulp and paper,
- Reactive monomers
- Oil and gas production,
- Steam,
- Hot gases