

## Product Specification for Series-F Floating Ball Valve

**Valve Type: Series F – Two-piece bolted body.**

**Valve Body:**

- Heavy duty two-piece bolted body cast construction.

**ISO Top Flange:**

- Top Plate drilled to DIN EN ISO 5211 bolt circle dimensions.

**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:**

- Blowout proof 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:**

- Standard pad lock plate ensures tamper proof valve operation.

**Stem Design and Sealing:**

- Multiple stem sealing arrangement prevents leakage to the atmosphere. External stem lube fitting and internal lube channel allow for effective lubrication of the stem journal. Weather seal prevents external attack by corrosion and foreign abrasives.

**Body Seal:**

- Double seal combination of O-ring and fire safe spiral wound gasket ensures perfect body joint sealing.

**High cycle life:**

- Lower operating torques
- Extended cycle life



## Material of Construction:

- **Body:** ASTM A216 WCB, WCC  
ASTM A352 LCB, LCC  
ASTM A351 CF8M
- **Ball:** ASTM A182 F316
- **Seat:** ULTRA, RPTFE, DELRIN, DEVLON, PEEK
- **Stem:** A479 S31803 (UNSS31803)
- **Stem Seal:** HNBR, VITON
- **Body Gasket:** SPIRAL WOUND SS316 WITH GRAPHITE FILLER

## Working Temperature:

- **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)
- **DEVILON:** -58 °F TO 302 °F ( -50 °C TO 150 °C)
- **DELRIN:** 14 °F TO 176 °F ( -10 °C TO 80 °C)

**Size Range: 2" to 8"**

**Rating:** ASME Class 150, 300 & 600

**Design:** API 6D

**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 6FA / API 607

**Nace :** ANSI / NACE MR 0175 / ISO 15156-1

## Approvals & Certifications:

- API 6D
- CE/PED
- SIL

## Special Applications:

- Process On-Off Valves
- Oil & Gas or Chemicals
- Emergency Shutdown
- Suction & Discharge Isolation