

## Product Specification for Unibody Flanged Floating Ball Valve

### Valve Type: Series 75–76 - Unibody Flanged

#### Valve Body:

- One-piece body offers total pipe integrity minimizing the number of potential leak paths.

#### 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 PTF.

#### Anti-static Device:

- Anti-static device as a standard feature.

#### Pad Lock Plate:

- Standard pad lock plate ensures tamper proof valve operation.

#### Stem Packing:

- Spring energized packing to compensate wear and temperature changes.

#### Protector:

- Combination of peek protector provides a primary sealing, reduces wear and tear of packing.

#### 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, PTFE, RPTFE & PEEK
- **Stem:** ASTM A479 SS316
- **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" to 4"

**Rating:** ASME Class 150, 300

**Design:** API 608

**Testing:** API 598

**Face to Face:** ASME B16.10

**Flange Standard:** ASME B16.5

**Pressure Temperature:** ASME B16.34

**Fire Safe Certified:** API 607

**Approvals & Certifications:**

- CE/PED
- NSF/ANSI 61

**Special Applications:**

- Process
- Tank Farms
- Fueling
- Oil & Gas or Chemicals
- Steam
- Hazardous areas handling flammable fuels