

BALL VALVES

Trunnion-mounted Ball Valves

Size	2" to 56" (50 mm to 1400 mm)
ASME Class	Class 150 to 2500
Design Standard	API 6D

- Trunnion-mounted Ball Valve design complies to API 6D
- Wide portfolio of Side-entry and Top-entry designs
- Fugitive emissions - Soft and Metal seated valves complies to ISO 15848-1, Class AH and BH
- Firesafe design - to API 607 and API 6FA
- CE Marking - Meets requirements of Pressure Equipment Directive 2014/68/EU,
- Pneumatic shell test conducted at 1.1 times rated pressure to check shell integrity, when required
 - Double block and bleed (DBB) feature - Valves are designed and tested for automatic cavity relief
- Anti-blowout stem design
- Coil springs used for consistent seat loading and lower operating torque
- Lip seals provided for low temperature services
- Primary O ring and Secondary graphite (in 3 stage stem, thrust washer is primary)
- Wide portfolio of Side-entry and Top-entry designs
- Options: Buried service, Cryogenic
- Offered with Electric, Pneumatic and Hydraulic Actuators
- In-house Tests Capabilities

Floating Ball Valves

Size	¼" to 8" (8 mm to 200 mm)
ASME Class	Class 150 to 2500
Design Standard	ISO 17292, API 608, API 6D

We manufacture a wide range of Process Ball Valves in single, two and three piece constructions. The valves are available in full-bore and regular-bore designs, in a variety of end connections and materials to suit customer requirements.

The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal.

- Fire-safe to ISO 10497 and API 607
- Mirror-finished solid stainless ball
- Fine-grained PTFE seats
- Cavity Pressure Relief mechanism
- Blowout-proof stem
- High integrity stem sealing – Belleville springs compensate for wear and thermal expansions

- Antistatic feature
- Actuator-mounting flange conforms to ISO 5211
- Single, two and three piece constructions
- Full-bore and regular-bore designs
- Soft and metal-seated
- Offered in carbon steel, stainless steel and duplex stainless steels
- Screwed, socket-weld and flanged ends
- ASME classes up to 2500
- Variety of actuation options

Valves By Construction (Ball Valves)

1) Three Piece Ball valve

2) Two Piece Ball Valve

3) Single Piece Ball Valve

4) T Port Ball Valve

5) L Port Ball Valve

6) Top Entry Ball Valve

7) Side Entry Ball Valve

8) Three Way Ball Valve

9) Four Way Ball Valve

10) Multiport Ball Valve

11) Gear Operated Ball Valve

12) Quarter Turn Ball Valve

13) Electric Motorised Ball Valve

14) Pneumatic Actuator Ball Valve

15) Dead Man Ball Valve

16) Spring Return Dead Man Valve

Valves By End Connection (Ball Valves)

1) Flange End Ball Valve

2) Screwed End Ball Valve

3) Socket Weld End Ball Valve

4) Buttweld End Ball Valve

Valve By Design (Ball Valves)

1) API 6D Ball Valve

2) API 608 Ball Valve

3) API 607 Ball Valve

4) Floating Ball Valve

5) Trunnion Mounted Ball Valve

6) Metal Seated Ball Valve

7) Soft Seat Ball Valve

8) Fire safe Ball Valve

9) Jacketed Ball Valve

10) Extended Stem Ball Valve

11) On Off Ball Valve

12) Double Block Bleed Ball Valve (DBB)

13) ASME B16.34 Ball Valve

14) Chlorine Ball Valve

15) Oxygen Service Ball Valve

16) Vacuum Service Ball Valve

17) 120 Degree Three Way Ball Valve

19) Single Piston Effect Ball Valve

20) Double Piston Effect Ball Valve

21) Rising Stem Ball Valve

22) Buried Service Ball Valve

23) Cryogenic Ball Valve

Valves By Material (Ball Valve)

1) A216 WCB Cast Carbon Steel Ball Valve

2) A216 WCC Cast Carbon Steel Ball Valve

3) A17 WC6 Cast Alloy Steel Ball Valve

4) A217 WC9 Cast Alloy Steel Ball Valve

5) A217 C5 Cast Alloy Steel Ball Valve

6) A217 CA15 Cast Alloy Steel Ball Valve

7) A351 CF8 Stainless Steel Ball Valve

8) A351 CF8M Cast Stainless Steel Ball Valve

9) A351 CF3 Cast Stainless Steel Ball Valve

10) A351 CF3M Cast Stainless Steel Ball Valve

11) A351 CN7M Alloy 20 Ball Valve

12) A352 LCB Carbon Steel Ball Ball Valve

13) A352 LCC Carbon Steel Ball Ball Valve

14) Duplex Stainless Steel Ball Valve

15) A105 Forged Carbon Steel Ball Valve

16) A182 FSS304 Stainless Steel Ball Valve

17) A182 FSS16 Stainless Steel Ball Valve

18) A182 F304L Stainless Steel Ball Valve

19) A182 F316L Stainless Steel Ball Valve

20) A182 F321 Stainless Steel Ball Valve

21) A182 F321H Stainless Steel Ball Valve

22) A182 F51 Duplex Stainless Steel Ball Valve

23) A182 F9 Alloy Steel Ball Valve

24) A182 F91 Alloy Steel Ball Valve

25) A182 F5 Alloy Steel Ball Valve

26) A182 F11 Alloy Steel Ball Valve

27) A182 F22 Alloy Steel Ball Valve

28) A350 LF2 Alloy Steel Ball Valve

29) Tungsten Carbide Coating Ball Valve

30) TC Coating Ball Valve

31) Stellite Welding Ball Valve

32) Chromium Carbide Coating Ball Valve

33) ENP Coating Ball Valve

34) Electroless Nickel Plating Ball Valve

Valve By Class
Ball Valve Class 150

Ball Valve Class 300

Ball Valve Class 600

Ball Valve Class 800

Ball Valve Class 900

Ball Valve Class 1500

Ball Valve Class 2500

Ball Valve Class 4500

