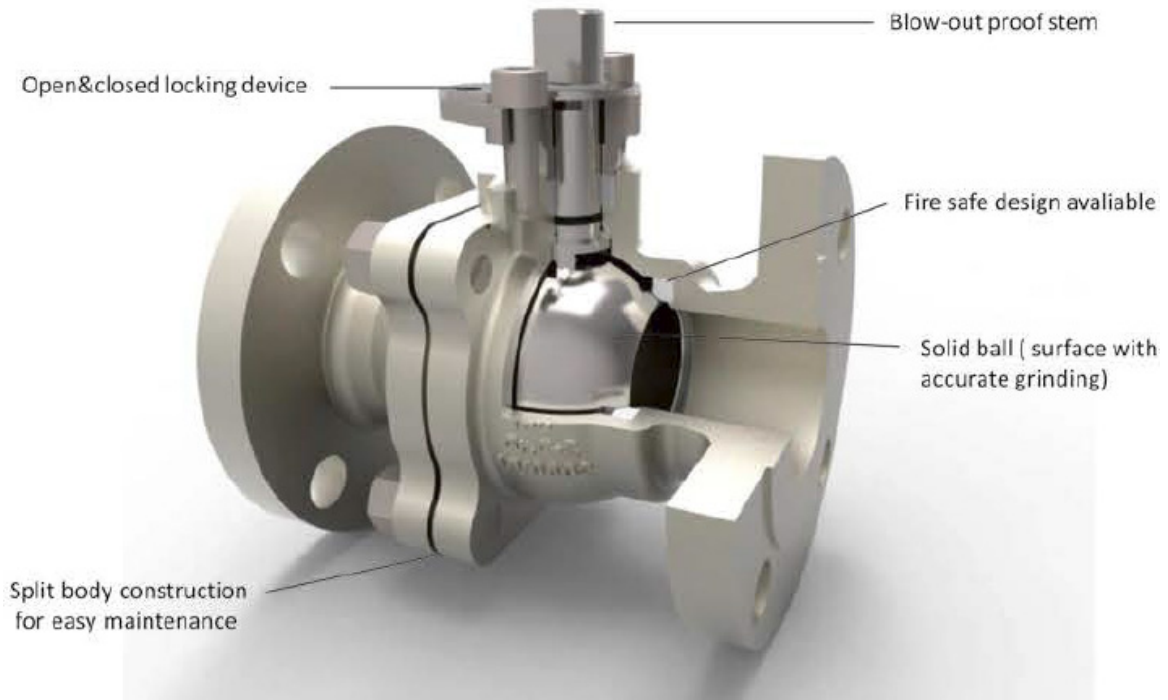


Ball Valves Series SuperAlloy Valves

Floating Ball Valves

General Highlights



Applicable Seat Materials

- PTFE
- RPTFE (15% Glass Filled)
- RPTFE (25% Glass Filled)
- PEEK
- Nylon
- Devlon
- PPL
- Other materials can be supplied upon request

Specifications

- Floating ball design
- Side-entry
- Split Body construction (2-PC or 3-PC)
- Full bore & reduce bore
- Blowout-proof stem
- Locking device
- Soft seats
- Anti-static device
- Fire safe design/Non-fire design
- ISO mounting pad
- Self cavity pressure relief
- Ends: Flanged, Wafer, NPT, BW, SW
- Operation: Lever, Gear, Electric, Pneumatic actuator, Bare shaft

ASME Flanged ball valve as citing	
Design	ASME B16.34
Testing	API 598, API 6D
Face-to-face	ASME B16.10
Flange ends dimensions	ASME B16.5
Pressure temperature rating	ASME B16.34
Visual Inspection of casting	MSS-SP-55

Size/Pressure Produce Range		Operator
Pressure	Flange(Floating)	
150LB	½" up to 10"	½"~5" Lever 6"~10" Gear
300LB	½" up to 10"	½"~5" Lever 6"~10" Gear
600LB	½" up to 6"	½"~3" Lever 4"~6" Gear
900LB	½" up to 3"	½"~1½" Lever 2"~3" Gear
1500LB	½" up to 2"	1/2"~1½" Lever 2" Gear

Notes:

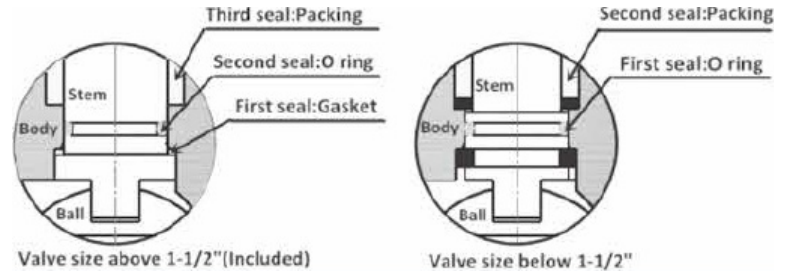
- Other unspecified standards and sized are available
- Other ends criterion: Threaded NPT—ASME B1.20.1; Socket Weld—ASME B16.11; Butt Weld—ASME B16.25; BSPP/BSPT—BS21

Floating Ball Valves Design Features

Three Seals Design (When valve size above 1½")

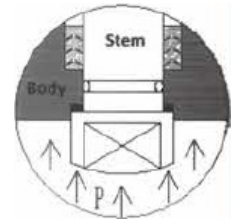
First seal (Gasket), second seal (O ring), third seal (Packing).

This three seal design can effectively prevent low-pressure leakage of the valve stem and packing box. (Fig. 1)



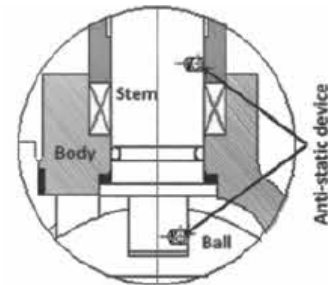
Blowout-proof stem

The stem is made separately from the ball with integral T-type shoulder to be blowout-proof. It also functions as the backseat to assure stem sealing safety at all pressures. (Fig. 2)



Anti-Static Device

When operating the valve, the friction between the ball and the non-metal seat will produce static charges. To avoid static sparks, an anti-static device (spring loaded ball) is placed between the ball, stem, and body forming an electrostatic channel and effectively removes the static electricity. This prevents the risk of ignition. (Fig. 3)

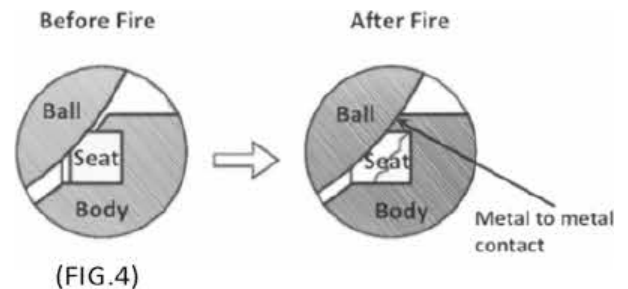


(FIG.3)

Fire Safe (Option)

Trunnion ball valves confirm to API 607 and API 6FA standards.

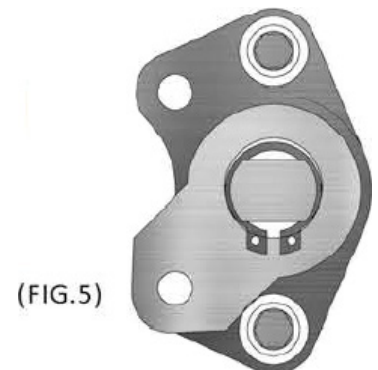
When the seat is damaged by fire, it collapses which forces the ball and body to touch. This prevents the risk of any internal or external leakage. (Fig. 4)



(FIG.4)

Locking Device

Lever operated ball valves with locking device. Facility for mounting a locking device for prevention of accidental valve operation in provided. (Fig. 5) Gear operated ball valves with the locking device is available upon request.



(FIG.5)