Springless Top Entry Ball Valves

Trunnion Mounted Ball Valves

Engineering GREAT Solutions
Springless Top Entry Ball Valves

Featuring the unique “Springless Wedge Design”, IMI Truflo Rona Top Entry Ball Valves are designed and manufactured to meet the most stringent requirements in all critical applications for oil & gas, chemical & petrochemical industries, PTA (Purified Terephthalic Acid) plants, LNG plants, LNG Carriers and LNG Terminals.

Key features

> Top entry in-line maintenance
> Trunnion mounted design
> Wedge access design
> Bi-directional tight shut-off
> Bi-directional fire safe
> Self revealing seats
> Anti-blowout stem
> Wide range of sealing combinations
> Anti-static device
> Variety of end connections

Benefits

> Exclusive Wedge-Seat Design
  - Seats are selfadjusting, assuring leak-tight closure under all operating conditions and valve orientations
  - Automatic compensation for changes that occur as a result of varying pressure, temperature and wear
  - Sealing elements are kept in tight contact with the ball to assure an even load on the seats at all pressures, temperatures and at all stages
  - Ball is wiped clean each time the valve is operated
  - Ball-seat contact is constantly maintained, extending seat life
> Minimal number of components
> Top-Entry configuration allows fast, easy, in-line service and permits emergency situations to be safely and quickly solved
> All working parts are accessible for service
> No special tools or training are required for maintenance and repair

Applications / Other heading

> LNG
> Process fluids
> Hydrocarbons
> Steam / geothermal steam
> Hot gas / sour gas (NACE)
> Oxygen / hydrogen
> Blow down
> Sulphur recovery
> Acid / caustic / chloride
> Abrasive service
### Size range
- API 6D/6DSS: 1/2” through 60”
- API 6A: 1-13/16” > 13-5/8”
- DN: DN12 > DN 1500

### Pressure range
- ANSI Class: 150 > 4500
- API Rating: 2000 > 20000
- PN Rating: PN16 > PN420

### Temperature range
- 196°C to +650°C
- -321°F to +1200°F

### End connection
- ANSI flanges: ANSI B16.5 / ANSI B16.47
- Compact flanges: NORSOK L-005
- Special flanges: Designed
- Hubs: All major hub end design available
- Welding ends: Butt or socket welding ends with or without pup pieces

### Materials
- CS & LTCS
- Stainless steel
- Duplex
- Super duplex
- Titanium
- Hastelloy
- Incoloy
- Inconel
- Zirconium
- Monel

### Operation
- Manual
- Actuated

### Product specification & dimensions

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