Trunnion Ball Valve Manufacturer in USA

SVR Global is the best Trunnion ball valve manufacturer in USA. We supply good quality valves to oil and gas industries, mining industries and marine industries in Phoenix, Dallas and Oregon. A trunnion ball valve is a type of ball valve used in industrial applications to regulate the flow of fluids or gases. It gets its name from the trunnion, which is a fixed support that holds the ball in place and allows it to rotate.

The valve consists of a hollow ball with a hole in the middle that allows fluid or gas to pass through. When the valve is open, the ball is rotated by turning the valve handle or actuator, allowing fluid or gas to flow through the hole. When the valve is closed, the ball is rotated again to block the flow of fluid or gas.

Parts

- Body
- Ball
- Trunnion
- Seats
- Stem
- Actuator
- Gaskets
- Bolts
- End connections

Types of trunnion ball valve

- **Casting trunnion ball valve:** A casting trunnion ball valve is made by pouring molten metal into a mold to form the valve body and other components. The metal solidifies and cools in the mold to create a finished valve. This process is commonly used for large size valves where the cost of forging would be prohibitive.
- **Forged Trunnion Ball Valve**: A forged trunnion ball valve, on the other hand, is made by heating a metal bar or billet and shaping it using mechanical force and pressure. The result is a finished valve with greater strength and structural integrity compared to a casting valve. Forged trunnion ball valves are usually smaller in size and are used in applications where high-pressure, high-temperature, or corrosive conditions exist.

Industries that use trunnion ball valves

- Chemical Processing industry
- Power Generation industry
- Petrochemical industry
- Oil and Gas industry
- Water and Waste treatment industry
- Marine industry
- Mining industry

Applications:

- Oil and gas pipelines for transportation and distribution.
- Petrochemical and chemical processing plants for fluid handling and control.
- Power plants for steam and water control.
- Water treatment facilities for flow control.
- Mining operations for slurry control.
- Fire protection systems for water flow control.
- Fuel storage and distribution systems for petroleum products and chemicals.
- Transportation of slurries and other viscous materials in the mining industry.
- Cryogenic applications for handling liquefied gases, such as nitrogen and oxygen.

Advantages

- stronger in structure
- Lower running costs.
- Offers reliable sealing with minimal leakage.
- Resistant to corrosion and erosion.
- Easy to operate and maintain.
- Can be used in a wide range of applications and industries.
- Low operating torque, making them easy to operate and reducing wear on valve components.
- Can handle abrasive materials without significant wear or damage to the valve.
- Have a longer service life compared to other types of valves.
- Can be designed and manufactured to meet specific application requirements.
- Can be used in a wide range of temperatures, from cryogenic to high-temperature applications.

SVR Global, the Trunnion ball valve manufacturer in USA provide valves known for their durability, reliability, and ease of maintenance. These valved are available in various sizes and for different pressure classes.

Description:

Body Material: Cast steel (WCB, WCC, WC6, LCC, LCB), Titanium, Stainless steel (SS316, SS304, F51, F55, CF8, CF8M).
Class: 150-2500, PN25 – PN450.
Size: 2” to 48”.
Ends: Buttweld, Socket weld, Flanged

Operations: lever and Gear Operated, Electric and pneumatic operated.

Visit our website for more information-

https://svrglobal.net/products/trunnion-ball-valve/