

Trunnion Ball Valve Supplier in Argentina

South American Valve is a leading Trunnion ball valve supplier in Argentina. A trunnion ball valve is a type of ball valve that utilizes trunnion-mounted ball design for improved performance, durability, and reliability. It is commonly used in industries such as oil and gas, petrochemicals, and process industries where high-pressure and high-temperature applications require efficient shut-off and control of flow. The body of a trunnion ball valve is typically made of cast or forged steel and is designed to withstand high-pressure and high-temperature conditions. It houses the internal components of the valve and provides structural integrity.

South American Valve is a leading Trunnion ball valve supplier in Argentina. Trunnion ball valves are widely used in critical applications where reliable shut-off, high-pressure resistance, and durability are essential. Their superior sealing performance and robust construction make them suitable for oil and gas pipelines, refining processes, power plants, and other industries where efficient flow control is required.

Benefits

- **Enhanced Sealing:** Trunnion ball valves provide better sealing performance due to the trunnion-mounted design. The trunnions ensure consistent contact and sealing between the ball and the seats, even at high pressures, reducing the risk of leakage.
- **Higher Pressure and Temperature Ratings:** Trunnion ball valves are designed to handle high-pressure and high-temperature applications. The trunnion-mounted ball design provides improved structural integrity, allowing the valve to withstand higher pressures and temperatures compared to floating ball valves.
- **Reduced Operating Torque:** The trunnion-mounted design reduces the operating torque required to operate the valve. This results in smoother and easier operation, especially in large-sized valves or high-pressure applications.
- **Increased Durability:** Trunnion ball valves are known for their durability and longevity. The trunnion-mounted design reduces ball and seat wear, resulting in extended service life and reduced maintenance requirements.
- **Improved Flow Control:** Trunnion ball valves offer excellent flow control capabilities. The full-bore design allows for unrestricted flow and minimal pressure drop across the valve, making them suitable for applications that require precise flow control.

Parts

- Body
- Stem

- Ball
- Trunnions
- Seat
- Actuator

Applications

- **Oil and Gas Industry:** Trunnion ball valves are widely used in the oil and gas industry, particularly in upstream, midstream, and downstream operations. They are employed in pipelines, production facilities, refineries, and petrochemical plants to control the flow of crude oil, natural gas, and petroleum products. Trunnion ball valves offer reliable shut-off capabilities, high-pressure resistance, and durability required in these demanding applications.
- **Petrochemical and Chemical Processing:** Trunnion ball valves are well-suited for handling various chemicals, corrosive fluids, and process streams in petrochemical and chemical processing plants. They are used in pipelines, storage tanks, reactors, and other critical processes to control the flow of chemicals and maintain process integrity. Trunnion ball valves' robust construction and effective sealing make them ideal for these challenging environments.
- **Power Generation:** Trunnion ball valves find applications in power plants, including thermal power plants and combined cycle power plants. They are used in steam lines, feedwater systems, cooling water circuits, and other applications where high-pressure and high-temperature control is required. Trunnion ball valves offer reliable shut-off and precise flow control for steam and water flow in power generation processes.
- **Water and Wastewater Treatment:** Trunnion ball valves are employed in water treatment plants, wastewater management systems, and desalination plants. They are used for controlling the flow of water, sludge, and various chemicals involved in the treatment process. Trunnion ball valves provide effective shut-off, resistance to corrosion, and reliable performance in these critical applications.
- **Mining and Minerals Processing:** Trunnion ball valves are utilized in the mining and minerals industry for controlling the flow of slurries, ores, and mining fluids. They are commonly employed in processes such as ore grinding, flotation, and tailings management. Trunnion ball valves' robust construction, wear resistance, and high-pressure capabilities make them suitable for these abrasive and demanding applications.
- **Pipeline and Transportation:** Trunnion ball valves play a crucial role in pipeline systems for the transportation of various fluids, including oil, gas, water, and chemicals. They are used at pipeline junctions, compressor stations, and storage terminals to regulate flow, isolate sections, and provide emergency shut-off capabilities. Trunnion ball valves offer

reliable sealing, high-pressure resistance, and ease of operation, ensuring the integrity and safety of pipeline systems.

Description

- Body: ASTM A216 WCB, ASTM A351 CF8, ASTM A351 CF8M
- Stem: ASTM A182 F304, ASTM A182 F316
- Ball: ASTM A182 F304, ASTM A182 F316
- Seat: PTFE
- End Connections: RF, RTJ, BW
- Operation: Manual, Gear Operated, Electric Actuated
- Nominal Size: DN100 to DN700
- Nominal Pressure: Class150 to Class2500, PN1.6 to PN10.0

<https://www.southamericanvalve.com/product-category/trunnion-ball-valve/>

