



Floating Ball Valve Manufacturer in USA

SVR Global is the top [Floating ball valve manufacturer in USA](#). Our valves are a well-liked option in Texas, Ohio, and New Jersey's power generating, chemical, and oil and gas industries. A quarter-turn valve known as a floating ball valve controls fluid flow by using a disk with a ball-like form. It is known as a "floating" ball valve because the ball can move freely while the valve opens and closes because it is not held in place but rather floats between two or more seats. Forging material was used to create this valve. Compared to other materials, forging material has greater strength when used at high temperatures and pressure. Additionally, they are very resistant to fatigue cracking.

This kind of valve controls the flow of liquids or gases through a rotating, drag-producing ball. Even if the valve isn't used for a long time, they have a remarkably long lifespan and continue to function at their best. These valves are easier to use and are opened by spinning the lever handle in a clockwise direction and closed by doing the opposite.

PARTS

- Body
- Ball
- Seat

- Stem
- Handle or actuator
- Seals
- Bearings

Working:

When the valve is in the closed position, the valve seats form a tight seal that holds the ball in place. In functioning, the stem turns the ball ninety degrees when the actuator or handle is turned. When the ball is in the open position, its hole lines up with the pipeline, allowing liquid to flow through. When the ball is closed, it is rotated so that its solid portion obstructs the flow. Due to its floating nature, the ball can move slightly downstream when pressure builds up, maintaining a tight seal on the downstream seat and guaranteeing a positive shutdown.

INDUSTRIES

- Chemical Industry
- Petrochemical Industry
- Power Industry
- Oil and gas Industry
- Mining Industry
- Marine Industry
- Gas Supply and Water Supply Industry
- Construction industry

Advantages of Floating Ball Valve

- Excellent sealing: Floating ball valves use soft seals that create a tight seal between the ball and the valve body, preventing leaks and minimizing the risk of product contamination.
- High flow capacity: The streamlined design of the ball in a floating ball valve allows for a high flow capacity, making it suitable for applications where high flow rates are required.
- Versatility: Floating ball valves can be used with a wide range of fluids, including corrosive and abrasive fluids, as well as gases and liquids.
- Low operating torque: Floating ball valves require relatively low operating torque, making them easy to operate manually or with automated actuators.
- Easy maintenance: The simple design of floating ball valves makes them easy to maintain and repair, minimizing downtime and reducing maintenance costs.

SVR Global is the certified [Floating ball valve manufacturer in USA](#) and its valves have the following technical applications:

- Widely used in the oil and gas industry to control the flow of crude oil, natural gas, and other fluids through pipelines and processing facilities.
- Used to control the flow of chemicals through pipelines in chemical processing plants.
- Used in water treatment plants to control the flow of water through various stages of the treatment process.
- Used in power plants to control the flow of steam, water, and other fluids through turbines and other equipment.

Description:

Materials: cast Iron, SS316, SS304, F22, F51, LF2, F304, F304L, F316, F316L, cast steel (WCB, WCC, WC6, WC9)

Class: 150 to 2500

Ends: flanged, socket weld, butt weld, threaded

Size: 1/4" to 48"

Pressure: PN 10 – PN 450

Operation: lever operated, gear operated, electric actuated, pneumatic actuated

Visit our site for more information- <https://www.svrglobal.net/product-category/floating-ball-valve/>

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