

Bellow Seal Globe Valve Manufacturer



Valvesonly is a trusted [Bellow Seal Globe Valve Manufacturer in USA](#). A Bellow Seal Globe Valve is a type of industrial valve designed for applications where leak-tightness and environmental safety are critical considerations. The valve features a bellows assembly, typically made of metal, which surrounds the valve stem and provides a hermetic seal to prevent fluid leakage. This bellows design is particularly advantageous in applications involving corrosive or hazardous fluids, as it isolates the valve stem from the process media, ensuring no direct contact between the fluid and the stem. The valve's construction typically includes a globe-shaped body with a movable disk (or plug) that can be positioned against or away from the valve seat to control the flow of the fluid.

The operation of a Bellow Seal Globe Valve involves the rotation of a handwheel or actuation by an electric or pneumatic mechanism, causing the valve disk to move in relation to the seat. This movement regulates the flow of the fluid through the valve. The bellows assembly accommodates the linear motion of the valve stem while maintaining a reliable seal, even in challenging conditions. This design minimizes the risk of fugitive emissions and enhances the valve's durability. The appearance of a Bellow Seal Globe Valve typically includes a metallic body with flanged or threaded ends for easy

integration into piping systems. Overall, these valves are crucial in industrial settings where the containment of hazardous substances is of utmost importance, providing a dependable and leak-free solution.

A [Bellows Seal Globe Valve](#) consists of several key components, each playing a specific role in its functionality. Here are the main parts:

- Body
- Bonnet
- Valve disk
- Stem
- Bellows assembly
- Gland packing
- Handwheel or actuator
- Yoke
- Seat
- Flanges or Threads

Benefits:

- Leak prevention
- Environmental safety
- Corrosion resistance
- Extended valve life
- Reliable sealing in harsh conditions
- Easy maintenance
- Accurate flow control

Industries:

- Chemical
- Petrochemical
- Oil and Gas
- Power Generation
- Refining
- Pulp and Paper
- Water and Wastewater Treatment
- Aerospace
- Mining
- Semiconductor
- Textile
- Marine and Shipbuilding

Description:

- Available materials: WCB, WC6, SS304, SS316, F11, F51, F91, LCC, LCB, WCC
- Ends: Flanged, Buttweld, Socket weld, Threaded
- Class: 150 to 2500
- Nominal Pressure: PN25 to PN450
- Size: ½" to 24"
- Operations-: Hand-wheel operated, Pneumatic actuated, Electric actuated, Gear operated

Visit us: <https://valvesonly.com/product-category/bellow-seal-globe-valve/>

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