

Globe Valve supplier Saudi Arabia

Middleeast valve is the greatest [Globe Valve Supplier Saudi Arabia](#). We supply to cities like Riyadh, Jeddah, Tabuk, and Yanbu.

A globe valve is a type of valve used to regulate, start, or stop the flow of a fluid (liquid or gas) within a pipeline. The name "globe valve" comes from the shape of its body, which resembles a globe or a spherical shape.

The primary function of a globe valve is to control the flow of fluid by modulating the opening between the valve's plug (disc) and the seat (ring or body). The valve can be operated manually or using an actuator, such as a handwheel, lever, pneumatic actuator, or electric motor. By turning the handwheel or actuator, the plug can be moved up or down to adjust the size of the opening, thus controlling the flow rate.

The working principle of a globe valve involves the movement of the plug (disc) in relation to the seat to control the flow of fluid. Here's a step-by-step explanation of how it works:

- **Closed Position:** In the closed position, the plug is pressed against the seat by the force of the stem (connected to the handwheel or actuator). This prevents fluid from flowing through the valve.
- **Opening the Valve:** Turning the handwheel or actuator causes the stem to move upwards, lifting the plug away from the seat. This creates an opening through which the fluid can pass.
- **Flow Control:** By adjusting the position of the plug, the operator can control the size of the opening, thus regulating the flow rate of the fluid. Partially lifting the plug allows for partial flow control, while lifting it fully permits maximum flow.
- **Closing the Valve:** Turning the handwheel or actuator in the opposite direction lowers the plug back onto the seat, stopping the flow of fluid.

[Globe valve](#) suppliers play a crucial role in Saudi Arabia by providing essential components for fluid flow control across diverse industries. These valves are prized for their adaptability, user-friendly operation, and effective regulation of fluid flow. The selection of the appropriate valve type is contingent upon factors such as the specific application, pressure requirements, temperature considerations.

Description:

Body material- Cast Iron, Cast steel [A216 WCB, WCC, LCB, LCC, WC6, WC9], Ductile Iron, Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F304, F316, F31L, F51, F3, F55, F91]

Class- 150 – 2500; PN10 – PN 450

Size- DN 10 – DN 1200

Ends- Butt weld, Flanged, threaded, socket weld

Operations- Hand-wheel operated Globe Valve, Pneumatic actuated Globe Valve, Electric actuated Globe Valve, Gear operated Globe Valve

Globe valve types:

- Pressure Seal Globe Valve
- Bellow Seal Globe Valve
- Y Type Globe Valve
- Angle Type Globe Valve
- Forged Steel Globe Valve

Globe valve advantages:

- The shutoff is direct and quick.
- The throttling is average to strong.
- They are easy to design, produce and maintain globe valves.
- They have reduced friction and longer life span.

Globe valve Industries:

- Oil and Gas.
- Chemical.
- Mining.
- Textile.
- Petroleum.
- Petrochemical.
- Pulp and Paper.
- Marine.
- Power Generation.
- Mechanical Construction.
- Industrial Gas.

Globe valve parts:

- Body
- Seat ring
- Cage

- Bonnet
- Stem
- Plug (disk)
- Yoke
- Back seat
- Packing
- Valve Actuator.

Visit us for more details: <https://www.middleeastvalve.com/product-category/globe-valve/>

