

## Butterfly Valve supplier in Saudi Arabia

Middleeast valve is the largest [Butterfly Valve supplier in Saudi Arabia](#). We supply to cities like Muscat, Salalah, Sur, and Seeb.

Understanding Butterfly Valves:

Butterfly valves are named for their distinctive disc, which resembles the wings of a butterfly. This disc is mounted on a rotating shaft within the valve body and positioned in the center of the pipe. The primary function of the butterfly valve is to control the flow by turning the disc parallel or perpendicular to the flow direction.

Working Principle of Butterfly Valves:

The working principle of butterfly valves is based on the rotation of the disc. When the disc is turned parallel to the flow direction, it allows for maximum fluid passage, facilitating unrestricted flow. Conversely, turning the disc perpendicular to the flow stops the fluid flow, providing a secure shut-off.

Components of Butterfly Valves:

Understanding the components of butterfly valves is essential for grasping their functionality. The key components include:

- **Body:** The valve body is the outer casing that houses the internal components and provides a passage for fluid flow.
- **Disc:** The disc, also known as the butterfly, is a flat or slightly curved plate that regulates the flow by rotating around the shaft.
- **Shaft:** The shaft connects the actuator to the disc, allowing for the rotation that controls the flow of the fluid.
- **Seat:** The seat is the sealing surface that ensures a tight shut-off when the valve is closed. It can be made of various materials depending on the application.

Suppliers in Saudi Arabia provide [Butterfly Valve](#) that excel in flow control and isolation due to their convenient quarter-turn operation. The selection of the appropriate valve type hinges on various factors, including the specific sealing, pressure, temperature, and corrosive demands of the given application.

Description:

Body Material: Cast Carbon steel (WCC,WCB, WC6), Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F31L, F91], DUPLEX STEEL and Super duplex Steel (F51,F53,F55) , Cast iron, Ductile Iron.

Size – 2” – 48”

Class- 150 to 300; PN 6 – PN 25

Ends- Wafer, flanged, lug

Operations- Lever operated, gear operated, pneumatic actuated and electric actuated.

Types of butterfly valve:

- Wafer Butterfly Valve
- Flanged Butterfly Valve
- Triple eccentric Butterfly Valve
- Double Offset Butterfly Valve
- Triple Offset Butterfly Valve
- Lug Butterfly Valve

Advantages of butterfly valve:

- It requires less material
- Simple to design and manufacture
- Wide variety to use in case of underground installation also
- Easy to Install
- Smooth to control.

Industries which use them:

- Chemical Industry
- Oil and Gas Industry
- Petrochemical Industry
- Energy Industry
- LNG and LPG
- Marine Industry
- Automobile Industry

Visit our website: <https://www.middleeastvalve.com/product-category/butterfly-valve/> for our complete product range.

