

Double Offset Butterfly Valve Manufacturers



Valvesonly are trusted [Double Offset Butterfly Valve Manufacturers](#) in USA.

What are Double Offset Butterfly Valve?

A double offset butterfly valve uses a disc attached to a central shaft to control fluid flow in a pipe. By providing an adjustable opening, this disc regulates the level of fluid flowing through the valve. High-performance butterfly valves are another name for double-offset butterfly valves. These valves contain two discs that can withstand pressures of up to 1480psi. It is controlled manually by a handle, gears, and actuators. These mechanisms spin the valve disc to the proper position for effective sealing or complete valve opening. It can be found at higher pressures than at zero offset. This valve's movement maintains an elongated shape in sealing the valve. They can withstand high pressures and temperatures and can handle gas, oil, steam, and water in a lightweight and cost-effective design.

What is the difference between Double Offset and Triple Offset Butterfly Valves?

The main difference between double offset and triple offset valves lies in their design and sealing mechanism:

Double Offset Valves:

- Double offset valves have two offsets: one in the shaft and one in the disc.

- The sealing surface of the disc is eccentrically positioned in relation to the valve seat, which reduces friction and wear during operation.
- These valves provide a tight shut-off and are suitable for a wide range of applications, including high-pressure and high-temperature environments.

Triple Offset Valves:

- Triple offset valves, as the name suggests, have three offsets: one in the shaft, one in the disc, and one in the sealing mechanism.
- The third offset is the asymmetrical conical shape of the sealing surface. This offset allows the sealing surface to completely disengage from the valve seat during operation, reducing wear and providing a bubble-tight shut-off.
- Triple offset valves offer superior sealing performance, especially in high-pressure, high-temperature, and critical applications where leakage prevention is crucial.
- They are often used in demanding applications such as oil and gas processing, petrochemical refineries, and power generation plants.

As [Double Offset Butterfly Valve Manufacturers](#) in USA, our valves offer these advantages:

- Bubble-Tight Seal
- Low Torque Requirement
- High Flow Capacity
- Bi-Directional Flow
- Quick Opening and Closing
- They are compact and lightweight
- Cost-Effective
- Low Maintenance
- Wide Range of Applications
- Corrosion Resistance
- Low Pressure Drop

Industry:

- Water Treatment Plants
- Oil and Gas Industry
- Chemical Processing Industry
- Power Generation Industry
- Petrochemical Industry
- Pulp and Paper Industry
- Mining and Minerals Industry
- Wastewater Treatment Plants
- Marine and Shipbuilding Industry

- Fire Protection Systems
- Automotive Manufacturing Industry

Description

- Available materials: Cast iron, Ductile iron, SS304, SS316, Carbon steel (WCB, WCC, WC9, WC6), SS316L, Duplex Steel (F51, F53, 5A, 4A, 6A)
- Size: 2" to 72"
- Class: 150 to 300
- Nominal Pressure: PN6 to PN25
- Ends: Wafer, Lug, Flanged
- Operations: Gear Operated, Electric and Pneumatic Actuated, Lever

Our Website: <https://valvesonly.com/product-category/double-offset-butterfly-valve>

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