

# Double Flanged Butterfly Valve Manufacturers in India



Specialty Valve, we take pride in being a reliable [Double Flanged Butterfly Valve Manufacturers in India](#). Our products reach various states domestically, including West Bengal, Karnataka, and Tamil Nadu.

## **Understanding Double Flanged Butterfly Valves:**

A double flanged butterfly valve, a vital component in fluid control systems, is distinguished by its two flanged connection points. This design ensures easy installation and secure sealing within pipelines. The valve features a circular disc or “butterfly” that turns within the pipeline, effectively regulating the flow of fluids.

## **Operational Mechanism:**

Similar to a standard butterfly valve, the double-flanked variant employs a rotating disc to control flow. When fully open, the disc aligns parallel to the flow direction, minimizing resistance for unrestricted passage. In the closed position, the disc turns perpendicular to the flow, effectively blocking it. The additional flanges enhance sealing capabilities and structural integrity, making it suitable for high-pressure applications.

## **Main Components:**

- **Body:** The outer casing housing internal components.
- **Disc:** A circular or semi-circular plate that controls flow through rotation.
- **Stem:** A rod connecting the actuator to the disc for opening or closing.
- **Actuator:** The mechanism for operating the valve, available in manual, pneumatic, hydraulic, or electric options.
- **Seat:** The surface against which the disc seals to control flow and prevent leakage when closed.
- **Flanges:** Raised rims at both ends used for connecting the valve to pipelines or other equipment.
- **Bolts and Nuts:** Fasteners securing the valve to pipelines or equipment.

## **Advantages:**

- **Easy Installation:** Simplifies the setup process, ensuring quick and hassle-free deployment.
- **Versatility:** Adaptable to various applications and operational requirements.
- **Compact Design:** Occupies minimal space, ideal for installations with space constraints.

- Low Pressure Drop: Minimizes resistance, more efficient fluid flow.
- Quick Operation: Swift response and adjustment for precise control of fluid flow.
- Cost-Effective: Offers economic benefits without compromising on performance.
- Easy Maintenance: Streamlined design allows for straightforward maintenance procedures.
- Wide Range of Sizes Manufactured: Tailored solutions available to meet diverse size requirements.

### **Industries Using [Double Flanged Butterfly Valve Manufacturers in India](#):**

- Water and Wastewater Treatment: Ensures controlled fluid flow in treatment processes.
- Chemical Processing: Suitable for regulating chemical solutions and process fluids.
- Oil and Gas: Used in critical points to control the flow of crude oil, refined products, and natural gas.
- Power Generation: Facilitates precise control in cooling water, boiler feedwater, and fuel oil systems.
- Pulp and Paper: Employed to regulate the process of water, pulp slurries, and chemical solutions in papermaking.
- Marine and Shipbuilding: Essential for filtering seawater, ballast water, and fuel in marine environments.
- Mining and Minerals: Used in mining operations to remove solids from process fluids and wastewater.
- Petrochemical: Ideal for applications where precise fluid control is crucial in petrochemical processes.
- Fire Protection Systems: Ensures effective control and regulation in fire protection installations.

## **Product Description:**

1. Materials: Cast Iron, Ductile Iron, 316, CF8M, CF8, CF3M, WCB, SS316, SS304.
2. Class: 150 to 300.
3. Nominal Pressure: PN6 to PN25.
4. Size: 2" to 72".
5. Ends: Flanged.
6. Operations: Electric actuated, pneumatic actuated, gear operated, lever operated.

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<https://www.specialityvalve.com/product-category/double-flanged-butterfly-valve/>

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