

# Butterfly Valve Manufacturers in India



Specialty Valve, esteemed for its high-quality products, has solidified its position as a distinguished [Butterfly valve manufacturers in India](#) . Beyond domestic borders, the company has expanded its footprint internationally, catering to clients in diverse regions such as Russia, Brazil, and the United Kingdom.

## **What are Butterfly Valves?**

The butterfly valve stands as a pivotal element in regulating fluid flow within pipelines, boasting a design inspired by the wings of a butterfly. Operated through a quarter-turn mechanism, the butterfly valve consists of a flat, circular disc—referred to as the "butterfly"—housed within the valve body. Attached to a central shaft, the disc, equipped with a seal or gasket, effectively regulates the passage of fluid through rotational movement.

## **Working:**

Butterfly valves function on the principle of quarter-turn rotation to regulate fluid flow within pipelines. They consist of a circular disc attached to a spindle within the valve body. Rotating this disc allows the valve to either permit or block fluid flow. When the disc aligns parallel to the flow direction, the valve opens, allowing fluid passage.

Conversely, when the disc aligns perpendicular to the flow, the valve closes, stopping fluid flow. With this design, butterfly valves offer swift and efficient flow control, making them a preferred choice across industries for their reliability and ease of operation.

### **What are the features of Butterfly Valves?**

1. **Simple Structure:** Butterfly valves have a straightforward design, making them lightweight and compact. This simplicity results in lower material consumption and easier manufacturing.
2. **Ease of Installation:** Due to their lightweight nature and varying sizes, butterfly valves are easy to install in a wide range of applications.
3. **Versatile Functionality:** These valves are primarily used to cut off, connect, and control the flow of media within a pipeline. They offer excellent fluid control capabilities and tight sealing to prevent leakage.
4. **Regulation Capability:** Butterfly valves provide good regulation, allowing for precise control over the flow rate of the media.
5. **Energy Efficiency:** The streamlined shape of the butterfly plate minimizes fluid resistance loss, making these valves energy-efficient devices.

We stand as [Butterfly Valve manufacturers in India](#), supplying many types of valves:

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

### **Advantages:**

- **Quick and Easy Operation:** Butterfly valves provide rapid and effortless operation, allowing for efficient flow control with minimal effort.
- **Low Pressure Drop:** These valves minimize pressure loss across the system, ensuring optimal performance and energy efficiency.
- **Compact and Lightweight:** Butterfly valves are space-efficient and lightweight, making them easy to handle and install in various applications without adding excessive weight or bulk to the system.
- **Cost-Effective:** They provide economical fluid flow control solutions.
- **Versatility:** Suitable for a wide range of applications and industries.

- **Low Maintenance:** Butterfly valves require minimal maintenance, reducing downtime and costs associated with servicing and repairs.
- **Bubble-Tight Shut-Off:** Ensure a secure seal to prevent leakage.
- **Bi-Directional Flow:** Capable of managing fluid flow in both directions.
- **Wide Range of Sizes:** Butterfly valves are available in various sizes to accommodate diverse pipeline requirements, providing flexibility and compatibility with different systems and applications.

### **Where are Butterfly Valves used?**

- Chemical Industry
- Oil and Gas Industry
- Petrochemical Industry
- Water and Wastewater Distribution Systems
- Plumbing Systems
- Power Generation
- Mining and Minerals Processing
- Marine and Shipbuilding
- Pulp and Paper
- Aerospace
- Construction and Building Services

### **What is the advantage of a butterfly valve over a gate valve?**

One advantage of butterfly valves over gate valves is their compact and lightweight design. Butterfly valves typically have a simpler structure, which results in smaller size and lower weight compared to gate valves. This makes butterfly valves easier to handle, transport, and install, especially in applications where space and weight considerations are important.

Additionally, butterfly valves often have lower material consumption due to their simpler construction, which can result in cost savings. Overall, the compactness, lightweight nature, and ease of installation make butterfly valves advantageous in certain applications compared to gate valves.

**Specifications:**

1. **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.
2. **Size:** 2 inches to 48 inches
3. **Class:** 150 to 300 and PN 6 to PN 25
4. **Ends:** Wafer, flanged, and lug.
5. **Operations:** Lever-operated, gear-operated, pneumatic actuated, and electric actuated.

**Visit us:-** <https://www.specialityvalve.com/product-category/butterfly-valve/>

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