



Butterfly Valve Manufacturer in USA

SVR Global is the best [Butterfly valve manufacturer in USA](#). In a process system, a butterfly valve is utilised to control the fluid flow. It is made up of a plate or disc with a circular shape positioned on a shaft in the middle of the valve body. A handle or an actuator may spin the disc, which moves it in a plane perpendicular to the fluid's flow direction. The complete flow of fluid through the valve is permitted when the disc is spun in a direction parallel to the direction of the flow of fluid. The disc entirely stops fluid flow when it is turned perpendicular to the flow direction. The amount of fluid flow is determined by the disc's rotational speed.

What are the main parts of a Butterfly Valve?

The main butterfly valve components include the valve body which is situated between the ends of the valve, which can either be flanged, lug or wafer. The disc is attached to the body of the valve as its basic function is to act like a gate that allows or restricts flow. The disc is

usually drilled to fit in the stem or the shaft. There are several modifications in disc design, orientation, and material used to optimize flow, sealing, and/or operating torque. A strong rubber or metal anti-leak seal lines the internal valve body, securing the disc in the closed position for complete shutdown. The valve shaft, also known as the stem, attaches the disc to the actuator mechanism and transmits torque by using it. Seals are used at different points within the valve to either provide a tight seal throughout operation or to separate the process medium from the valve's internal components, which leads to a more versatile and cost-effective design.

Types:

- Wafer Butterfly Valve
- Lug Butterfly Valve
- Double Flanged Butterfly Valve
- Double Eccentric Butterfly Valve
- Triple Eccentric Butterfly Valve

SVR Global, the [Butterfly valve manufacturer in USA](#) manufacture valves that are widely used for waste water, fire protection and in gas supply industries as well.

Industries:

- Chemical Industry
- Oil & gas Industry
- Petrochemical Industry
- Technical gases
- Energy industry
- Textile industry
- Water and wastewater industries

Applications:

- Water treatment: Butterfly valves are used in water treatment plants to control the flow of water through pipes and channels.
- Chemical processing: Butterfly valves are used in chemical processing plants to control the flow of corrosive or hazardous fluids through pipes.
- Oil and gas: Butterfly valves are used in the oil and gas industry to control the flow of crude oil, natural gas, and other fluids through pipelines.
- Power generation: Butterfly valves are used in power plants to control the flow of steam or water through turbines and other equipment.

Advantages:

- Quick and easy operation
- Low maintenance
- Lower cost
- Space-saving design
- High flow capacity

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 and Gear operated, Pneumatic and Electric actuated.

Visit our website to know more: <https://www.svrglobal.net/product-category/butterfly-valve/>

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