

# **Butterfly Valve Market Size, Share & Trends Analysis Report, By Function (Manual, Electric-actuated), By End Use (Oil & Gas, Water & Wastewater Treatment), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Butterfly Valve Market Growth & Trends**

The global butterfly valve market size is anticipated to reach USD 15.78 billion by 2030 and is anticipated to expand at a CAGR of 4.5% during the forecast period, according to a new report by Grand View Research, Inc., driven by several key factors that span across diverse end use industries. One of the primary drivers is the rising demand for industrial automation and process optimization. As industries such as oil and gas, power generation, water treatment, and chemical manufacturing increasingly adopt automated systems for enhanced control and efficiency, butterfly valves are becoming integral components due to their compatibility with actuators and control devices. Their quick shut-off capabilities and ease of integration into modern automated systems make them a preferred choice for flow regulation applications.

Another major growth factor is the expansion of water and wastewater treatment infrastructure worldwide. With growing concerns over water scarcity, urbanization, and environmental sustainability, governments and private sectors are investing heavily in water treatment and distribution systems. Butterfly valves, due to their compact design, reliability, and ability to handle a wide range of pressures and flow rates, are widely used in these systems for regulating water flow and isolating equipment during maintenance.

In addition, the butterfly valve market is supported by the ongoing developments in the oil and gas sector, particularly in emerging economies. Exploration activities, pipeline expansion, and the need for efficient transportation of oil and gas products necessitate robust valve solutions. Butterfly valves offer a lightweight and cost-effective alternative to traditional gate and ball valves, while still ensuring effective flow control, which is critical in high-pressure environments.

Lastly, infrastructure development and urban expansion are fueling the demand for HVAC systems, power plants, and industrial facilities, all of which rely on butterfly valves for efficient thermal and fluid management. The growing trend of energy efficiency and sustainability is also pushing industries to upgrade to modern valve technologies that support green operations. These factors collectively contribute to the positive outlook of the butterfly valve market globally.

Moreover, advancements in valve design and material technology are further propelling the growth of the butterfly valve market. Manufacturers are increasingly developing high-performance valves with enhanced durability, corrosion resistance, and sealing capabilities to meet the specific needs of various industrial applications. Innovations such as triple-offset butterfly valves and the use of advanced alloys and composites allow these valves to operate efficiently in extreme temperatures and aggressive chemical environments.

### Butterfly Valve Market Report Highlights

The manual segment led the market and accounted for the largest revenue share of 41.2% in 2024, driven by its cost-effectiveness and simplicity of operation.

The water & wastewater treatment segment dominated the market and accounted for the largest revenue share of 37.5% in 2024. Governments and municipal authorities across developed and developing countries are heavily investing in water treatment facilities, sewage systems, and desalination plants.

Asia Pacific dominated the market and accounted for the largest revenue share of about 44.8% in 2024. The Asia Pacific butterfly valve market is experiencing robust growth due to rapid industrialization, urbanization, and increasing infrastructure development.

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