

Soft Seated Butterfly Valves Market Set for Consistent Growth, Reaching US\$ 4.0 Billion by 2034 | TMR

Soft Seated Butterfly Valves Market to Reach US\$ 4.0 Bn by 2034, Growing at a 4.5% CAGR from US\$ 2.5 Bn in 2023

WILMINGTON, DE, UNITED STATES, December 20, 2024 /EINPresswire.com/ -- The global [soft seated butterfly valves market](#), valued at US\$ 2.5 billion in 2023, is projected to grow at a compound annual growth rate (CAGR) of 4.5% from 2024 to 2034, reaching an estimated value of US\$ 4.0 billion by the end of the forecast period. This steady growth is driven by increasing concerns over greenhouse gas emissions, the expanding oil and gas sector, and advancements in valve technology. Butterfly valves, particularly soft seated ones, play a critical role in regulating fluid flow across industries while addressing environmental challenges.



Soft Seated Butterfly Valves Market Outlook 2034: Valued at US\$ 2.5 Bn in 2023, the market is estimated to grow at a CAGR of 4.5%, reaching US\$ 4.0 Bn by 2034"

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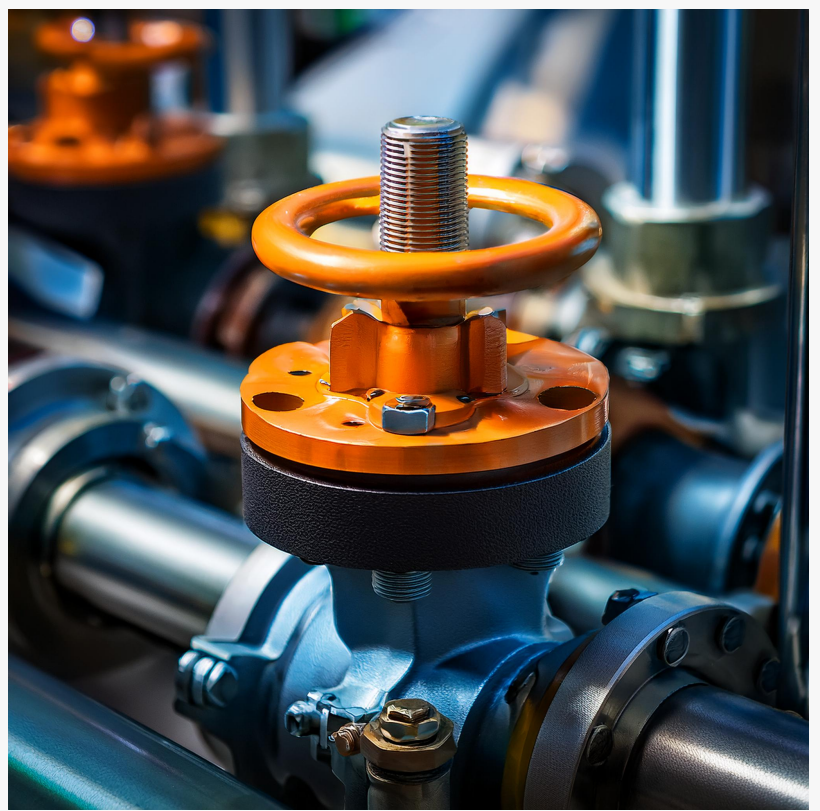
Analyst Viewpoint

The emphasis on reducing greenhouse gas emissions has significantly influenced the market for soft seated butterfly valves. These valves contribute to lowering fugitive emissions and enhancing energy efficiency, making them a key component in energy-intensive sectors. Moreover, the oil and gas industry continues to present significant opportunities, being one of the largest end-users of these valves. Leading manufacturers are focusing on sustainability and innovative designs to meet the dual demand for operational efficiency and environmental compliance.

Market Drivers

1. Concerns About Greenhouse Gas Emissions: Growing awareness of environmental challenges has prompted industries to adopt solutions that reduce emissions. Soft seated butterfly valves, with their ability to control leaks and improve sealing, are well-suited for applications requiring high levels of emission control. These valves, especially when equipped with advanced actuators, minimize the release of greenhouse gases in processes involving the transport of fluids.

According to the International Energy Agency (IEA), oil and gas operations account for about 15% of total energy-related emissions globally. Innovations in soft seated butterfly valve technology, such as pressure-energized seat designs, are enabling industries to meet stringent environmental regulations while maintaining operational efficiency.



Soft Seated Butterfly Valves Market

2. Expansion in the Oil and Gas Sector: The oil and gas industry's focus on increasing production capacity and operational efficiency has fueled the demand for high-performance valves. Soft seated butterfly valves are integral to isolating and regulating oil and gas flows, offering features such as ultimate rigidity, leak-free performance, and robust flange sealing. Investments in the sector, such as Vedanta's plan to double its oil production by 2027, further underscore the growing need for these valves.

3. Rising Investment in Water and Wastewater Treatment: Water and wastewater treatment facilities are increasingly adopting soft seated butterfly valves due to their reliability and cost-effectiveness. These valves ensure efficient flow control and minimal leakage, making them essential for modern water infrastructure projects. In regions like Asia Pacific, significant investments in water management initiatives have bolstered the market. For example, the Asian Infrastructure Investment Bank's approval of large-scale water projects in India and Uzbekistan reflects this trend.

Key Trends and Innovations

1. Pressure-Energized Seat Designs: Recent advancements in valve design have introduced pressure-energized seat mechanisms, making soft seated butterfly valves suitable for high-cycle

and high-pressure applications. These designs enhance durability and ensure leak-proof operations in demanding environments.

2. Automated Valve Systems: Automation is reshaping the valve industry, with automated soft seated butterfly valves gaining traction. These systems, integrated with sensors and actuators, allow real-time monitoring and precise control, aligning with industry efforts to optimize processes and reduce emissions.

3. Sustainable Manufacturing: Leading players are focusing on sustainability by adopting lightweight materials and optimizing production processes. Valves designed to reduce material usage without compromising performance help manufacturers align with global sustainability goals.

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Market Segmentation

1. By Valve Type:

- Polyvinyl Chloride (PVC)
- Chlorinated Polyvinyl Chloride (CPVC)
- Polytetrafluoroethylene (PTFE)
- Ethylene Propylene Diene Monomer (EPDM)
- Nitrile Butadiene Rubber (NBR)
- Composite Gaskets (e.g., Rubber-coated Metal)

2. By Operating Type:

- Manual Butterfly Valves
- Pneumatic Butterfly Valves
- Electric Butterfly Valves
- Hydraulic Butterfly Valves

3. By Size:

- Less than 12"
- 12" - 24"
- 24" - 96"
- More than 96"

4. By End-use Industry:

- Water & Wastewater Treatment
- Heating, Ventilation, and Air Conditioning (HVAC)
- Chemical Processing
- Oil & Gas
- Power Generation
- Food & Beverage
- Pharmaceutical
- Marine
- Mining
- Pulp & Paper

5. By Region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East & Africa

Regional Insights

Asia Pacific: Asia Pacific dominated the market in 2023, driven by rapid industrialization and significant investments in water and wastewater management. Countries like India and China are at the forefront, implementing large-scale infrastructure projects to enhance water security and industrial efficiency.

North America: The North American market is characterized by robust demand from the oil and gas and chemical processing sectors. Regulatory requirements for emission control and the adoption of automated valve systems further support market growth.

Europe: Europe's focus on sustainability and energy efficiency has bolstered the demand for advanced soft seated butterfly valves. The region's stringent environmental policies encourage the adoption of valves that minimize fugitive emissions.

Competitive Landscape

Leading players in the soft seated butterfly valves market are prioritizing product innovation, sustainability, and global expansion to strengthen their market position. Some of the prominent companies include:

- Gefa Processtechnik GmbH
- IMI Process Automation
- Huamei Machinery Limited

- DERVOS VALVE CO., LTD.
- Insatech A/S
- VTM-Valves
- Valworx
- Platinum Samandy
- Tianjin Tanghaidongyang Valve Co., Ltd.
- Valmet

Key Developments:

1. In March 2024, Valworx expanded its line of sanitary butterfly valves, offering cost-effective and hygienic solutions for industries such as food and beverage.
2. In January 2024, IMI Orton successfully tested one of its largest triple-offset butterfly valves for use in Saudi Arabia's propane dehydrogenation plant.

Future Outlook

The soft seated butterfly valves market is set to witness sustained growth driven by environmental concerns, expanding end-use industries, and continuous innovation. As industries prioritize efficiency and sustainability, the demand for advanced valve solutions will continue to rise. Strategic investments in research and development, coupled with regional expansions, will shape the competitive dynamics of the market through 2034.

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