

# **Asia-Pacific Butterfly Valve Market By Valve Type (Wafer Type Butterfly Valve, Lug Type Butterfly Valve, Flanged Type Butterfly Valve), By Material Type (Cast Iron Butterfly Valve, Stainless Steel Butterfly Valve, Ductile Iron Butterfly Valve, PVC Butterfly Valve), By End-User Industry (Oil & Gas, Water & Wastewater, Chemical & Petrochemical, Power Generation, Food & Beverage, Others), By Country, Competition, Forecast and Opportunities, 2020-2030F**

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## **Abstracts**

### **Market Overview**

The Asia-Pacific Butterfly Valve Market was valued at USD 3.39 billion in 2024 and is projected to reach USD 4.71 billion by 2030, growing at a CAGR of 5.49% during the forecast period. This market is witnessing notable growth driven by the region's expanding industrial base, rapid urbanization, and increasing investments in water and wastewater infrastructure. Butterfly valves, known for their space-saving design, quick operation, and cost efficiency, are increasingly used across various sectors including oil & gas, power generation, HVAC, water management, and chemicals. Countries such as China, India, and Japan are investing significantly in smart cities and sustainable urban planning, thereby driving the demand for efficient flow control systems. Additionally, technological advancements such as smart valves with IoT capabilities and corrosion-resistant materials are reshaping product innovation and expanding their application in critical environments. Despite challenges such as price competition and quality inconsistencies, the market remains competitive, with strong growth prospects supported by public infrastructure projects and smart utility upgrades.

## Key Market Drivers

### Rapid Industrialization and Urbanization

The accelerating pace of industrialization in nations like China, India, Indonesia, and Vietnam continues to create strong demand for butterfly valves. As sectors such as chemicals, metal processing, and energy generation grow, the requirement for efficient, durable, and space-efficient valve systems becomes essential. At the same time, urbanization is pushing the need for expanded water supply, sewage treatment, and heating/cooling networks. Butterfly valves play a vital role in managing fluid flow in these large-scale systems due to their operational efficiency, compact structure, and ease of automation. Furthermore, government-backed smart city and sanitation initiatives are amplifying infrastructure development, thereby increasing the deployment of butterfly valves across public utilities.

## Key Market Challenges

### Quality and Standardization Concerns Across Diverse Markets

The lack of uniform regulatory and quality standards across Asia-Pacific countries presents a major challenge. While advanced economies like Japan and South Korea follow stringent international norms (e.g., ISO, ANSI), many developing markets rely on local or less rigorous standards. This disparity results in variable product quality, complicating cross-border projects and limiting international market penetration. Moreover, the prevalence of low-cost, low-quality products from some domestic manufacturers affects overall product reliability, especially in critical applications. Inconsistencies in certification and quality assurance processes hinder trust and increase maintenance costs. Navigating these fragmented regulatory environments also adds compliance complexity and delays project timelines, particularly for international players.

## Key Market Trends

### Growth in Water & Wastewater Management Projects

The increasing emphasis on water security and environmental compliance is driving demand for butterfly valves in water and wastewater treatment projects. These valves are valued for their flow regulation capabilities, low pressure drop, and cost-effective

performance. National programs like India's Jal Jeevan Mission, which aims to provide piped water access to millions of households, are expanding the use of butterfly valves in municipal water systems. Similarly, urban wastewater and desalination projects across Southeast Asia and China are deploying butterfly valves to manage high volumes and corrosive media. With rising demand for decentralized and modular water treatment systems in semi-urban areas, compact and easy-to-maintain butterfly valves are gaining traction. This trend aligns with increasing investments in sustainable water management infrastructure and stricter enforcement of water discharge norms.

### Key Market Players

Emerson Electric Co.

Flowserve Corporation

KSB SE & Co. KGaA

Pentair PLC

Schlumberger Limited

Valmet Corporation

AVK Group

Crane Co.

Parker Hannifin Corporation

MetsOutotec

### Report Scope:

In this report, the Asia-Pacific Butterfly Valve Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Asia-Pacific Butterfly Valve Market, By Valve Type:

Wafer Type Butterfly Valve

Lug Type Butterfly Valve

Flanged Type Butterfly Valve

#### Asia-Pacific Butterfly Valve Market, By Material Type:

Cast Iron Butterfly Valve

Stainless Steel Butterfly Valve

Ductile Iron Butterfly Valve

PVC Butterfly Valve

#### Asia-Pacific Butterfly Valve Market, By End-User Industry:

Oil & Gas

Water & Wastewater

Chemical & Petrochemical

Power Generation

Food & Beverage

Others

#### Asia-Pacific Butterfly Valve Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

Malaysia

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Butterfly Valve Market.

## Available Customizations:

Asia-Pacific Butterfly Valve Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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