

# Valves Market Projected Growth at 4.1% CAGR to Reach USD 121.1 billion by 2034 | Transparency Market Research Inc.

*The global valves market is expected to reach value of US\$ 121.1 Bn by the end of 2034*

WILMINGTON, DE, UNITED STATES, December 20, 2024 /EINPresswire.com/ -- The [valves market](#) plays a crucial role across various industries, serving as an essential component in regulating, directing, or controlling the flow of liquids, gases, and slurries. Valves are integral to industries such as oil and gas, water and wastewater, power generation, chemicals, and pharmaceuticals. As industries continue to expand and modernize, the demand for advanced and efficient valves has been increasing. Technological advancements and the rising focus on automation have further enhanced the capabilities and applications of valves, driving the market's growth.

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## Market Overview

The global valves market encompasses various types, including ball valves, gate valves, globe valves, butterfly valves, and check valves. These are available in manual, electric, pneumatic, and hydraulic actuation modes, catering to diverse industrial requirements. The oil and gas industry remains a dominant segment due to the critical role valves play in exploration, refining, and transportation. Meanwhile, the water and wastewater treatment sector is emerging as a significant contributor, driven by global efforts to address water scarcity and pollution. Geographically, Asia-Pacific leads the market, followed by North America and Europe, owing to rapid industrialization and infrastructure development in these regions.

## Key Drivers of Growth

The valves market is driven by several key factors. Rapid industrialization and urbanization are increasing the demand for efficient flow control systems in construction, manufacturing, and utilities. The growing energy demand worldwide has led to investments in oil and gas exploration and power generation, significantly boosting the need for valves. The water and wastewater management sector is also a major growth driver, particularly in developing countries, where

governments are focusing on improving infrastructure. Additionally, the rising adoption of automation and smart valve technologies in industries is further propelling the market.

## Recent Trends

Several trends are shaping the valves market. Smart valves equipped with sensors and connectivity features for real-time monitoring and control are gaining traction in industrial automation. The integration of IoT and AI technologies is enabling predictive maintenance, reducing downtime, and enhancing operational efficiency. Another trend is the increasing use of high-performance materials, such as stainless steel and composites, to improve valve durability and resistance to extreme conditions. Environmental regulations are also driving demand for eco-friendly and energy-efficient valves in industries like power and water management.

## Top Companies:

Honeywell International Inc.

Emerson Electric Co.

Tyco International plc

KITZ Corporation

Bürkert GmbH & Co. KG

Schlumberger Limited

Flowserve Corporation

AVK Holding A/S

Rotork PLC

Watts Water Technologies, Inc.

Other Key Players

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## Challenges

The valves market faces challenges, including fluctuations in raw material prices, which impact production costs and profit margins. The complexity of retrofitting traditional valves with smart technologies can be a barrier for some industries. Additionally, the market is highly competitive, with the presence of numerous players offering similar products, making it challenging for companies to differentiate themselves. Regulatory compliance and certification requirements across regions also pose challenges for manufacturers.

## Future Outlook

The valves market is poised for steady growth, supported by advancements in smart valve technologies and increasing investments in infrastructure and industrial projects. The adoption

of automation and digitalization in industries is expected to accelerate, driving demand for intelligent and connected valves. The water and wastewater management sector will remain a key growth area, driven by global initiatives to ensure sustainable water use and treatment.

The valves market is projected to witness significant innovations, with a focus on energy efficiency, environmental sustainability, and advanced materials. As industries evolve and adopt more sophisticated processes, valves will continue to play a critical role in ensuring safety, efficiency, and reliability across various applications.

## Market Segmentation

### Type

Globe Valves

Gate Valves

Needle Valves

Check Valve/Non-return Valves

Others (Solenoid Valves, Angle Valves, etc.)

### Valve Motion

Rotary

Linear

Self-actuated

### Mode of Operation

Manual Vales

Actuated Valves

Automatic Valves

### End-use Industry

Mining Industry

Construction Industry

Water & Wastewater Treatment

Chemical Industry

Power Plants

Oil & Gas Industry

Others (Food & Beverage, Oil & Gas Industry, etc.)

### Sales Type

OEM  
Aftermarket

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Regions

North America

Europe

Asia Pacific

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