

Water and Wastewater Valve Market to Reach \$16.8 Billion by 2032, Growing at 4.7% CAGR | Allied Market Research

Rising global water infrastructure investments, urbanization, and demand for efficient wastewater treatment systems drive market expansion

WILMINGTON, DE, UNITED STATES, June 24, 2026 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Water and Wastewater Valve Market Opportunities and Forecast, 2023-2032](#)" by Valve Type, Material, End-Use Industry, and Region: Global Opportunity Analysis and Industry Forecast, 2024-2032," the global water and

wastewater valve market was valued at \$10.9 billion in 2023 and is projected to reach \$16.8 billion by 2032, registering a CAGR of 4.7% from 2024 to 2032. The market growth is driven by increasing investments in water infrastructure development, rising demand for efficient water distribution systems, and growing emphasis on wastewater treatment and environmental sustainability worldwide. (alliedmarketresearch.com)

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Rising water scarcity concerns and infrastructure modernization are accelerating demand for advanced valve technologies across global water systems.”

*Allied Market Research
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Water and wastewater valves are essential components used to regulate, control, and direct water flow across municipal, industrial, and commercial water management systems. These valves play a critical role in ensuring safe drinking water distribution, efficient wastewater treatment, and prevention of leakage and contamination across water infrastructure networks.

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Water and Wastewater Valve Market Overview

The water and wastewater valve market is witnessing steady growth due to several key factors:

- > Increasing global investments in water infrastructure modernization
- > Rising urban population and expanding municipal water networks
- > Growing demand for efficient wastewater treatment systems
- > Strict environmental regulations governing water quality and discharge
- > Expansion of industrial water recycling and reuse systems
- > Adoption of smart water management and automation technologies

Governments across developed and developing economies are heavily investing in upgrading aging water infrastructure and expanding wastewater treatment capacity. This is significantly increasing demand for advanced valve systems that ensure efficient flow control, leak prevention, and system reliability.

However, high installation and maintenance costs, along with operational complexities in legacy water infrastructure, may limit adoption in certain developing regions.

Market Segmentation

By Valve Type

The market is segmented into:

Ball Valves
Gate Valves
Butterfly Valves
Check Valves
Diaphragm Valves
Others

Gate valves held a significant market share in 2023 due to their widespread use in water distribution networks for reliable shut-off operations. Butterfly valves are also gaining traction due to their compact design, cost-effectiveness, and suitability for large-diameter pipelines.

By Material

Cast Iron
Steel
Alloy Based
Others

Cast iron valves dominate the market due to their durability, corrosion resistance, and cost

efficiency, making them widely used in municipal water systems. Steel and alloy-based valves are increasingly adopted in industrial applications requiring high-pressure and high-temperature resistance.

By End-Use Industry

Municipal

Industrial

Commercial

The municipal segment accounted for the largest share in 2023, driven by extensive investments in public water supply systems and wastewater treatment infrastructure. Industrial applications are also growing due to increasing water reuse and process optimization requirements.

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North America

North America held a significant share of the global water and wastewater valve market in 2023, driven by aging water infrastructure replacement projects, strict environmental regulations, and strong investments in smart water management systems. The United States leads regional demand due to large-scale infrastructure modernization programs.

Europe

Europe remains a mature market supported by stringent environmental policies, advanced water treatment systems, and strong government initiatives promoting sustainable water management. Countries such as Germany, France, and the United Kingdom are investing heavily in upgrading water distribution and wastewater treatment networks.

Asia-Pacific

Asia-Pacific is expected to register the fastest growth during the forecast period, driven by rapid urbanization, population growth, and increasing investments in water infrastructure projects across China, India, and Southeast Asian countries. Expanding industrialization further fuels demand for advanced valve systems.

LAMEA

The LAMEA region is witnessing steady growth due to increasing investments in water supply infrastructure, desalination projects, and wastewater treatment facilities. Countries in the Middle East are particularly focusing on water security initiatives due to scarce freshwater resources.

Water and Wastewater Valve Market Size, Share, Outlook, and Forecast

Key trends shaping the water and wastewater valve market include:

- > Adoption of smart valves with IoT-enabled monitoring systems
- > Integration of automation and remote control technologies
- > Development of corrosion-resistant and long-life valve materials
- > Digital water management platforms for real-time flow monitoring
- > Predictive maintenance using AI and sensor-based diagnostics
- > Energy-efficient valve designs for reduced operational costs
- > Expansion of smart city water infrastructure projects

These advancements are improving system efficiency, reducing water loss, enhancing operational reliability, and enabling real-time monitoring of water distribution networks.

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Water and Wastewater Valve Market Size, Share, Outlook, and Forecast

- > The [Water and Wastewater Valve Market Size, Share, Outlook, and Forecast](#) was valued at \$10.9 billion in 2023
- > The market is projected to reach \$16.8 billion by 2032
- > The market is expected to grow at a CAGR of 4.7% from 2024 to 2032
- > Gate valves dominated the market by valve type in 2023
- > Municipal applications held the largest share in 2023
- > Asia-Pacific is expected to witness the fastest growth
- > Smart water management adoption is increasing globally
- > Infrastructure modernization is a key growth driver

Water and Wastewater Valve Market Size, Share, Outlook, and Forecast

Key companies operating in the water and wastewater valve market include:

Emerson Electric Co.
Flowserve Corporation
AVK Holding A/S
KSB SE & Co. KGaA
Crane Co.
Schlumberger Limited (SLB)
Xylem Inc.
Mueller Water Products, Inc.
Honeywell International Inc.

Curtiss-Wright Corporation

These players are focusing on smart valve technologies, strategic acquisitions, product innovation, and expansion into emerging markets to strengthen their global presence.

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Municipal authorities, industrial operators, infrastructure developers, investors, and water management organizations can access the full report to gain comprehensive insights into market dynamics, competitive landscape, technological advancements, and regional growth opportunities shaping the future of water and wastewater valve systems.

The report provides detailed analysis across valve types, materials, end-use industries, and regional markets through 2032.

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