

Water and Wastewater Treatment Equipment Market Set to Reach 101.92 Billion by 2032, Says SNS Insider

Water and Wastewater Treatment Equipment Market Expands Amid Rising Environmental Regulations, Water Scarcity & Urbanization-Driven Infrastructure Investments.

AUSTIN, TX, UNITED STATES, January 30, 2025 /EINPresswire.com/ -- The [Water and Wastewater Treatment Equipment Market](#) Size was valued at USD 69.24 billion in 2023 and is expected to reach USD 101.92 billion by 2032, growing at a CAGR of 4.39% over the forecast period 2024-2032.



Water and Wastewater Treatment Equipment Market

Driving Growth in the Water and Wastewater Treatment Equipment Market: Key Trends and Technological Advancements

The water and wastewater treatment equipment market is experiencing significant growth, driven by increasing water scarcity, pollution, and stringent environmental regulations. Technological advancements, such as membrane filtration, UV disinfection, and advanced oxidation processes, are enhancing treatment efficiency and expanding the application scope of these solutions. The filtration segment holds a substantial share, attributed to its fundamental role in removing contaminants and improving water quality across various applications. Additionally, the tertiary treatment process is gaining prominence, as it achieves high water quality standards essential for safe reuse in irrigation, industrial processes, and even potable water applications. Municipalities are the largest end-users, driven by the need to provide safe drinking water and manage wastewater from urban areas. These factors collectively contribute to the market's expansion, highlighting the critical importance of sustainable water management practices and innovative treatment technologies.

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Key Players in the Water and Wastewater Treatment Equipment Market are:

- Xylem Inc.
- Pentair plc
- Evoqua Water Technologies LLC
- Aquatech International LLC
- Ecolab Inc.
- DuPont
- Calgon Carbon Corporation
- Toshiba Water Solutions Private Limited (TOSHIBA CORPORATION)
- Veolia, Group
- Ecologix Environmental Systems, LLC
- Evonik Industries AG
- Parkson Corporation
- Lenntech B.V.
- Samco Technologies, Inc.
- Koch Membrane Systems, Inc
- General Electric

Urbanization and industrialization are increasing the demand for advanced water and wastewater treatment solutions to ensure clean water and environmental protection.

Urbanization and industrialization are driving significant changes in water and wastewater management. As more people migrate to urban centers, the population density increases, creating a higher demand for water treatment facilities to ensure clean and safe drinking water. Concurrently, the growth of industries further amplifies the need for advanced wastewater treatment solutions to handle the pollutants generated. These industries must comply with stringent environmental regulations to prevent contamination of natural water bodies. This dual pressure growing urban populations and expanding industrial activities necessitates investment in sustainable and efficient water treatment technologies to address the increasing demand while safeguarding public health and the environment.

Market Trends in Wastewater Treatment: Dominance of Tertiary Process and Municipal Demand Growth

By Process: The tertiary treatment segment dominated with the market share over 45% in 2023, with a projected compound annual growth rate (CAGR) of 5.2%. This dominance is due to its essential role in removing remaining contaminants from wastewater. Tertiary treatment ensures that the water meets strict environmental standards, making it safe for reuse in various applications, including industrial and irrigation purposes. As water scarcity and environmental concerns grow, the demand for efficient and thorough water treatment processes like tertiary treatment is expected to continue rising.

By End-User: The municipal segment dominated with the market share over 65% in 2023. This is largely driven by the increasing urban population and the demand for enhanced infrastructure. Developing countries, particularly India and China, are witnessing rapid urbanization, which necessitates the expansion and upgrading of wastewater treatment systems to accommodate growing populations and improve public health and sanitation.

Market Segmentation and Sub-Segmentation Included are:

By Product Type

- Filtration
- Disinfection
- Desalination
- Sludge Treatment
- Biological
- Testing

By Process

- Primary
- Secondary
- Tertiary

By End-User

- Municipal
- Industrial

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Asia Pacific Dominates Global Water and Wastewater Treatment Equipment Market in 2023, Driven by Investment and Government Initiatives

The Asia Pacific region led the Water and Wastewater Treatment Equipment Market, accounting for more than 35% of global revenue in 2023. This market dominance stems from increasing awareness of the importance of water conservation and environmental protection, alongside significant investments in water treatment infrastructure. Government initiatives, especially in countries like India and China, are crucial in driving the adoption of advanced wastewater treatment solutions. In India, for example, the government allocates approximately USD 600 million annually to combat waterborne diseases, which in turn boosts the demand for wastewater treatment systems. These efforts reflect the region's commitment to improving water quality and ensuring sustainable water management for growing populations.

The North American market, especially in the United States, is witnessing significant growth in

water and wastewater treatment. Government initiatives, such as funding for sewage treatment plants, ensure wastewater complies with strict quality standards. This focus on infrastructure development drives demand for advanced treatment solutions. Furthermore, large-scale construction projects, including airport expansions and commercial developments, are further contributing to the rising need for efficient water treatment technologies. These factors combined create a favorable environment for the rapid growth of the water and wastewater treatment equipment market in the region.

Recent Development

- In July 2023: DuPont (US) announced the official commercial launch of its DuPont FilmTec LiNE-XD nanofiltration membrane elements, specially engineered for the purification of lithium brine.

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