

# **Water and wastewater treatment equipment Market: Segmented by Equipment (Membrane Separation, Biological, Disinfection, Sludge Treatment and Others), By Application (Municipal and industrial), and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030**

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## **Abstracts**

[ 170 + Pages Research Report ] Global Water and wastewater treatment equipment market to surpass USD 87.2 billion by 2030 from USD 65.6 billion in 2020 at a CAGR of 5.1% in the coming years, i.e., 2021-30.

### **Product Overview**

Water treatment is done to reduce TSS levels to meet the needs of the end user and hence varies depending on parameters including TSS level, location, and application. The chemical, physical, and biological properties of water and its contents are used to separate suspended particles and bacteria. The attributes of elements such as density, amount, chemical reactivity, boiling point, solubility, melting point, volatility, water purity level, and similar variables are used to select water treatment equipment.

### **Market Highlights**

Global Water and wastewater treatment equipment market is expected to project a notable CAGR of 5.1% in 2030.

Over the forecast period, rising demand for clean water due to rapid urbanization and industrialization, along with diminishing freshwater supplies, is expected to drive product demand. Rising environmental concerns, as well as the need to adhere to severe regulatory rules governing water and wastewater treatment around the world, are

expected to drive market expansion. Furthermore, rising investments in wastewater treatment facilities are expected to fuel market expansion.

Global Water and wastewater treatment equipment: Segments

Membrane separation segment to grow with the highest CAGR during 2020-30

Global Water and wastewater treatment equipment market is segmented by Equipment into Membrane Separation, Biological, Disinfection, Sludge Treatment, and Others.

Membrane Separation segment held the largest market share in the year 2020.

Membrane separation is a physical treatment process that includes forcing feed water through a semi-permeable membrane at high pressure to remove certain components from the solution. Membrane separation has various advantages over earlier approaches, including a small operating area and great filtration efficiency.

Municipal segment to grow with the highest CAGR during 2020-30

Global Water and wastewater treatment equipment market is divided by application into Municipal and industrial. Over the forecast period, the municipal segment is projected to expand at the fastest pace. Growing urban populations, combined with favorable government policies fostering infrastructure development, are likely to boost municipal product demand, particularly in developing nations. The primary purpose of municipal wastewater treatment plants is to protect water resources and natural aquatic systems by removing Effluent Organic Matter, pathogens, and nutrients from wastewater. Over the forecast period, rising awareness about wastewater treatment and increased government attention on building water and wastewater treatment infrastructure around the world are likely to drive sector expansion.

Market Dynamics

Drivers

Threat of water crisis and regulations by government

The water crisis and the stress caused by water constraints are affecting the entire world. As the world's population grows, so does the demand for clean water for drinking, cooking, and other industrial reasons. The amount of water consumed pollutes the available freshwater resources by reaching the sewage system. This is a major driver of the market for water and wastewater treatment equipment. Some APAC countries are concerned about the impending water problem that would affect their future generations; as a result, their governments have enacted rigorous regulations and

legislation to control water usage, and they have also managed to invest in water treatment sectors to support their growth.

#### Up-gradation of existing wastewater infrastructure

Water conservation through wastewater treatment is projected to be aided by strict federal and state restrictions around the world. There is also a pressing need to upgrade the existing infrastructure, which has been in place for decades. Upgrading the water treatment infrastructure, which has certain age constraints, will enhance income for the water and wastewater treatment equipment industry.

#### Restraint

High operational cost and maintenance of effluent quality standards

Though the industry has a greater return on investment, the capital investment required for the overall setup in emerging countries is higher. This factor is a major stumbling block for the expansion of the water and wastewater treatment equipment industry. More complicated systems with higher flow rates and higher effluent quality standards are required for efficient water and wastewater treatment; these requirements will raise the system's expenses. As a result, the market's expansion is hampered.

#### Global Water and wastewater treatment equipment: Key Players

GE Water & Process Technologies

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Aquatech International Corporation

Veolia Water Technologies

WPL Limited

Fluence Corporation Limited

Napier Reid Ltd.

Calgon Carbon Corporation

Xylem Inc.

Kemira Oyj

Other Prominent Players

#### Global Water and wastewater treatment equipment: Regions

Global Water and wastewater treatment equipment market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia

Pacific, and the Middle East and Africa. The market for Water and wastewater treatment equipment is dominated by APAC. Increased investments in the wastewater management industry, combined with a rapidly increasing manufacturing sector, are expected to boost market growth. Furthermore, the region's rising residential sector is likely to increase product penetration in municipal wastewater treatment plants.

Global Water and wastewater treatment equipment is further segmented by region into:  
North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Water and wastewater treatment equipment report also contain analysis on:  
Water and wastewater treatment equipment Segments:

By Equipment

Membrane Separation

Biological

Disinfection

Sludge Treatment

Other

By Application

Municipal

Industrial

Water and wastewater treatment equipment Dynamics

Water and wastewater treatment equipment Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Water and wastewater treatment equipment Market Report Scope and Segmentation

#### Report Attribute Details

Market size value in 2020 USD 65.6 billion

Revenue forecast in 2030 USD 87.2 billion

Growth Rate CAGR of 5.1% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Equipment, application, and Region

Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)

Key companies profiled GE Water & Process Technologies, Aquatech International Corporation, Veolia Water Technologies, WPL Limited, Fluence Corporation Limited, Napier Reid Ltd., Calgon Carbon Corporation, Xylem Inc., Kemira Oyj, and Other Prominent Players

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**6. NAPIER REID LTD.**

**7. CALGON CARBON CORPORATION**

**8. XYLEM INC.**

**9. KEMIRA OYJ**

**10. OTHER PROMINENT PLAYERS**

Consultant Recommendation

**\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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