

Water Treatment Chemicals and Technology Market By Product Type (Pumping system, Chemicals (coagulants and flocculants, Activated carbon, Biocides, Others), Membrane system (Reverse Osmosis, Ultrafiltration, Microfiltration), Other), Industry Trends, Estimation & Forecast, 2016 - 2024

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Abstracts

Water Treatment Chemicals and Technology Market was valued at \$147 billion in 2016 and is projected to reach \$202.8 billion by 2024, having a CAGR of 4.2 % during the forecast period of 2017 to 2024. The pumping system segment generated the highest revenue share in the global water treatment chemicals and technology market.

Water treatment can be defined as a process of removing contaminants that are present in the water through the mechanical or chemical process, in order to make it more compatible or acceptable for specific end use. The end user may be drinking, industrial water supply, irrigation, river flow maintenance, water recreation and various other uses, including being safely returned to the environment. Water treatment removes contaminants and undesirable components, or, in other words, it reduces their concentration so that the water becomes fit for its desired end-use. In other words, the process chain to remove poisonous impurities or toxins from water by either using mechanical or chemical process is known as water treatment. The quantity and the type of chemicals that are used for the water treatment varies depending on the quality of the water available and the location. The quality of water depends upon its hardness, total dissolved solids (TDS), pH value, and the alkalinity of the water.

Water Treatment Chemicals Market Dynamics

Constantly increasing demand for fresh water, increase in demand by developed markets and stringent government regulations over industrial and municipal waste water disposal are some factors which are driving the water treatment chemical and technology industry growth. Rapidly increasing urbanization results in the generation of the massive amount of waste water, which can be easily recycled, hence, driving the water treatment technology market. Increase in awareness about the use of clean water and water recycling is also driving the market. However, the high cost of equipment and lack of expertise in this sector can act as restraints for the market growth. Increasing regulatory pressure for industrial and domestic wastewater and effluent treatment trend orientated towards investment in enhanced water treatment technology can act as future opportunities for the industry.

MARKET SEGMENTATION

The segmentation of the water treatment chemicals and technology market is done by product type and geography. By product type, the market is segmented as a pumping system, chemicals, a membrane system and others. By pumping systems, the market is segmented as pumps, valves and control and automation systems. The chemicals are segmented into coagulants and floculants, antifoamants & defoamers, Corrosion & scale inhibitors, Activated carbon, Biocides and others. By membrane type, the market is segmented as reverse Osmosis, ultrafiltration, microfiltration, electro dialysis and gas Separation. Geographically the market is segmented as North America, Europe, Asia-Pacific and Rest of World.

Some major market players of the market are, AkzoNobel N.V., Ashland Hercules, Kemira, Nalco, Ge Technology, Flowserve, Grundfos, Ebara and Pentair.

WATER TREATMENT CHEMICALS AND TECHNOLOGY market segmentation

By product type

Pumping system

Pumps

Valves and controls

Automation systems

Chemicals

Coagulants and Flocculants

Antifoamants & Defoamers

Corrosion & scale inhibitors

Activated carbon

Biocides

Others

Membrane system

Reverse Osmosis

Ultrafiltration

Microfiltration

Electro dialysis

Gas Separation

By Geography

North America

Europe

Asia- Pacific

Rest of World

Water Treatment Chemicals and Technology Market Key Players

Water Treatment Chemicals and Technology Market By Product Type (Pumping system, Chemicals (coagulants and flo...

AkzoNobel N.V.

Ashland Hercules

Kemira

Nalco

Ge Technology

Flowserve

Grundfos

Ebara

Pentair

Tyco

Emerson

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