

North America Point Of Entry Water Treatment Systems Market Size, Share & Trends Analysis Report By Technology (RO Systems, Disinfection Methods), By Application (Residential, Industrial), By Country, And Segment Forecasts, 2024 - 2030

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Abstracts

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North America Point of Entry Water Treatment Systems Market Growth & Trends

The North America point of entry water treatment systems market size is anticipated to reach USD 2.15 billion by 2030, registering a CAGR of 4.5% from 2024 to 2030, according to a new report by Grand View Research, Inc. Increasing demand for water treatment systems due to the growing pollution and population influx in urban areas is expected to have a positive impact on the market growth. Further, a rise in awareness regarding water contamination due to microplastic contents, such as lead, bacteria, and chemicals, is expected to fuel the demand for point of entry water treatment systems for clean and safe drinking water.

Moreover, several regulations, including the Clean Water Act, recommend that states in the U.S. choose surface waters used for drinking water and set water quality standards. This Act also establishes programs to prevent pollution from entering these waters. Furthermore, the Safe Drinking Water Act (SDWA) mandates the safety of U.S. public drinking water supplies. Moreover, the U.S. EPA (Environmental Protection Agency) establishes national drinking water standards to protect against health risks while taking available technology and cost into account. Monitoring and reporting requirements are also included in each standard. The presence of these aforementioned regulations in the region aiming at providing good-quality water, thereby augmenting the need for POE

water treatment systems in the market.

The region is characterized by the presence of major market players such as 3M, Culligan, DuPont, and Pentair with strong distribution channels. Reverse osmosis and other membrane technologies are anticipated to be the major game-changing technologies in the region as they are comparatively cheaper than other alternative technologies and require less energy for operation. Moreover, the rising spending capability of consumers and the growing emphasis on water treatment in the region are expected to drive the demand and, in turn, trigger market growth over the forecast period.

Manufacturers of the North America market are adopting several strategies, such as expansions, mergers & acquisitions, partnerships/collaborations, and product launches, to enhance market penetration. For instance, in December 2023, Watts agreed to acquire Josam Company, a provider and manufacturer of drainage and plumbing products for over 100 years. This acquisition will expand sales networks and provide increased cross-selling opportunities.

North America Point of Entry Water Treatment Systems Market Report Highlights

The filtration methods technology segment dominated the market in 2023. The growing use of pesticides and herbicides in agriculture, and increasing industrial activities are leading to a rising level of the contaminants in the supply of water. This is expected to increase the demand for filtration methods from 2024 to 2030 for safe water usage.

Disinfection treatment methods include the use of chlorine dioxide, chlorination, ozone, ultraviolet light, and chloramines. The ultraviolet treatment method utilizes UV light for reducing the number of bacteria and disinfecting the water. However, this method is not effective for removing chemicals. Chlorination is implemented in cases wherein high levels of Heterotrophic Plate Count (HPC) are detected, as well as when the RO membranes are sensitive to chlorine.

The residential application segment dominated the market in 2023. This is due to the increasing awareness among people about the potential health risks associated with untreated water, including exposure to harmful contaminants such as lead, chlorine, and bacteria. Point of entry water treatment systems offer an effective solution for removing these contaminants, providing clean and safe water for household use.

The commercial application segment includes small-scale commercial, educational, recreational, healthcare, and transport facilities. Point of entry water treatment systems possess a larger capacity, as they are installed at the water inlet and are, therefore, a preferred method to cater to places where large volumes of water are required. These units are commonly installed in large hotels, shopping malls, golf courses & sports arenas, performing art galleries, metros, bus stations, and train stations, among others.

The hotels segment includes hotels, Airbnb, resorts, and guest hostels, which offer temporary lodging facilities. Owing to regulations, such as the U.S. Environmental Protection Agency, the owners of such properties are required to ensure the installation of point of entry water treatment systems. The demand for point of entry water treatment systems is likely to be driven by the increasing construction projects across the world in the coming years.

In March 2023, DuPont introduced PES ultrafiltration membranes and DuPont Multibore PRO. Customers who want to lower the distress of modules necessitated in water purification systems can utilize Multibore PRO as part of a multi-technology approach to municipal drinking water, desalination, or industrial water applications.

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