

# Water Desalination and Purification Equipment Market Forecast Highlights Long-Term Growth Opportunities

*The market shows steady growth driven by rising demand for efficient solutions, advanced systems, and sustainable water management.*

NEWARK, DE, UNITED STATES, September 12, 2025 /EINPresswire.com/ -- The global [water](#)

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Manufacturers embracing automation, energy efficiency, and sustainable designs in desalination and purification systems are well-positioned for long-term global growth.”

*opines Nikhil Kaitwade,  
Associate Vice President at  
FMI*

[desalination and purification equipment market](#) is set to expand significantly between 2025 and 2035, underscoring its central role in securing sustainable water access for industrial, municipal, and residential applications. Driven by intensifying water scarcity, urban expansion, and rising industrial demand, the market is expected to provide manufacturers with strong opportunities to innovate and grow.

Between 2025 and 2030, the market demonstrates consistent year-on-year expansion, reflecting the critical role of advanced purification systems in meeting escalating water challenges. From 2030 to 2035, growth continues at

a steady pace, further cementing desalination and purification technologies as indispensable components of global water strategies. This expansion is fueled by the widespread adoption of membrane filtration, reverse osmosis, and energy-efficient systems that balance performance with sustainability.

## Meeting Rising Water Challenges

Desalination and purification technologies are increasingly recognized as strategic solutions to counter the pressing issue of limited freshwater resources. Governments and private stakeholders are channeling investments into large-scale desalination plants, while smaller systems are being deployed for residential and commercial purposes. This dual-track growth ensures that manufacturers catering to both large infrastructure projects and modular, decentralized systems remain well-positioned.

With urban development and industrial expansion intensifying demand, the emphasis is firmly on high-performance equipment that delivers consistency, durability, and reliability. For manufacturers, this creates an environment where innovation in design and operational efficiency directly aligns with global needs for water security.

### Market Significance Across Sectors

The water desalination and purification equipment segment plays a critical role across a spectrum of parent markets. It accounts for nearly one-fifth of the broader water treatment equipment industry and represents a commanding share within the desalination technology market. This prominence highlights the sector's role in addressing freshwater scarcity, supporting industrial operations, and bolstering municipal supply systems.

Industries such as pharmaceuticals, food and beverage, and power generation are actively integrating advanced purification solutions to maintain quality and regulatory compliance. On the municipal front, investments in urban infrastructure underscore the urgency of ensuring clean and safe water access for growing populations.

### Drivers of Growth and Emerging Trends

The market's trajectory is supported by several converging factors. Rapid industrialization, population expansion, and the impacts of climate change have intensified the search for dependable water treatment solutions. At the same time, manufacturers are advancing technologies that emphasize automation, digital monitoring, and modular system designs. These solutions not only improve efficiency but also reduce operational costs and environmental impact, enabling wider adoption across diverse applications.

Energy efficiency is becoming a defining trend. Reverse osmosis, hybrid systems, and AI-based monitoring platforms are enabling operators to optimize performance while reducing downtime. For manufacturers, this signals a need to align portfolios with sustainable, digitally enhanced solutions that respond to customer priorities.



## Segment Insights Offering Clear Opportunities

Automatic systems are projected to dominate the market due to their ability to minimize human error and ensure consistent output. With real-time monitoring and predictive maintenance capabilities, they are gaining favor in municipal and industrial settings that require scalable, reliable solutions.

Large-scale systems continue to attract investment, supplying high volumes of potable water to urban and industrial centers. Their integration with renewable energy sources like solar and wind further enhances their long-term value. Meanwhile, desalination as an application maintains a leadership position, driven by increasing reliance on seawater and brackish water conversion in arid regions.

## Competitive Landscape and Manufacturer Prospects

The competitive landscape is defined by global leaders and specialized regional firms. Veolia and SUEZ dominate with expansive water solution portfolios, while IDE Technologies and Doosan Heavy Industries drive innovation in large-scale installations. Toray Industries contributes with advanced membrane technologies, while Aquatech and Acciona Agua showcase modular and decentralized systems. Mitsubishi Heavy Industries adds depth with industrial-scale projects, reflecting the diversity of solutions shaping the market.

For manufacturers, the consistent growth outlook is clear: companies delivering energy-efficient, automated, and scalable solutions will capture the greatest opportunities. The sector's reliance on high capital investments underscores the importance of partnerships, sustainable design, and lifecycle management to secure long-term contracts and maintain competitiveness.

Request Water Desalination and Purification Equipment Market Draft Report-  
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## Future Outlook

As governments and industries worldwide increase focus on water security, the water desalination and purification equipment market remains poised for sustained expansion. Manufacturers that align with trends in automation, digitalization, and sustainability will not only meet current challenges but also lead in shaping the future of global water infrastructure.

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### Contact Us:

Future Market Insights Inc.  
Christiana Corporate, 200 Continental Drive,  
Suite 401, Newark, Delaware - 19713, USA  
T: +1-347-918-3531  
For Sales Enquiries: [sales@futuremarketinsights.com](mailto:sales@futuremarketinsights.com)  
Website: <https://www.futuremarketinsights.com>  
[LinkedIn](#) | [Twitter](#) | [Blogs](#) | [YouTube](#)

Rahul Singh  
Future Market Insights Inc.  
+1 347-918-3531  
[email us here](#)

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