

Global Water Desalination Plant Equipment Market Size Study, by Technology (Reverse Osmosis, Multistage Flash Distillation, Multiple-effect Distillation), by Application (Municipal, Industrial), by Product (Membranes, Pumps, Evaporators), by Source (Sea Water, River Water), and Regional Forecasts 2022-2032

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Abstracts

The Global Water Desalination Plant Equipment Market is valued approximately at USD 8.51 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 9.5% over the forecast period 2024-2032. Water desalination plant equipment plays a pivotal role in addressing the world's increasing water scarcity by converting seawater, river water, or brackish water into potable water. Utilizing cutting-edge technologies such as Reverse Osmosis (RO), Multi-stage Flash Distillation (MSF), and Multiple-effect Distillation (MED), this equipment delivers reliable, clean water solutions. The rising demand for freshwater, particularly in arid regions and water-stressed economies, is driving significant investments in desalination infrastructure. Notably, advancements in membrane technologies and energy-efficient systems are enabling cost reductions while improving scalability, positioning the market for robust growth throughout the forecast period.

The Global Water Desalination Plant Equipment Market is being propelled by escalating urbanization, industrialization, and a surging population that has placed immense pressure on global freshwater reserves. With governments and private sector stakeholders heavily investing in water treatment and desalination projects, the market's growth trajectory remains promising. For example, Saudi Arabia's Vision 2030 plan includes substantial investment into desalination projects to meet the country's water



demands. Moreover, the advent of advanced desalination technologies, including hybrid systems combining Reverse Osmosis with other processes, is improving efficiency and reducing operational costs. However, high energy consumption and capital-intensive installation processes continue to present challenges to the widespread adoption of desalination systems.

Regionally, North America and the Middle East & Africa dominate the Water Desalination Plant Equipment Market due to substantial investments in infrastructure and growing freshwater shortages. In 2023, the Middle East held the largest share of the market, led by Saudi Arabia, the United Arab Emirates, and other GCC countries, where desalination has become indispensable. The region's ambitious plans to meet water demands through solar-powered desalination plants further underscore its leadership in the market. Meanwhile, Asia Pacific is anticipated to witness the fastest growth during the forecast period, fueled by increasing urbanization, population growth, and industrial development in countries such as China, India, and Australia. Europe is also contributing significantly, with innovations focused on energy-efficient systems and sustainable desalination technologies.

As freshwater availability remains a critical global issue, the market is poised for transformative growth over the next decade. Strategic collaborations between technology providers, government entities, and environmental organizations are playing a vital role in developing sustainable and cost-effective desalination solutions. With growing environmental concerns, eco-friendly desalination systems that minimize carbon footprints and utilize renewable energy are expected to become a focal point for industry players. Additionally, municipal and industrial sectors are driving demand for desalination equipment, ensuring a steady market expansion.

Major market players included in this report are:

Veolia Environnement S.A.

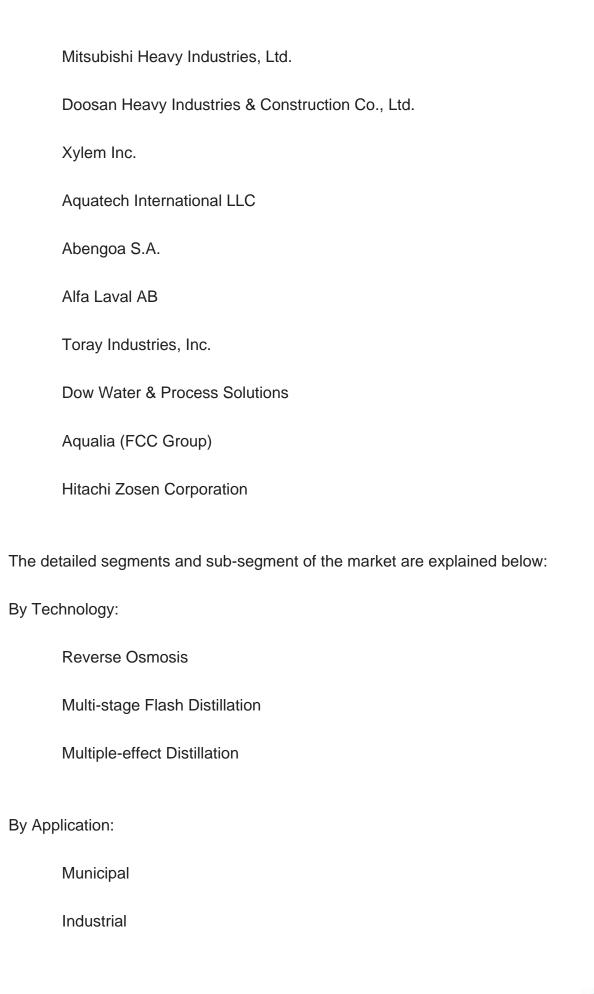
Suez SA

Acciona S.A.

IDE Technologies Ltd.

General Electric Company (GE Water)







By Product:		
	Membranes	
	Pumps	
	Evaporators	
By Source:		
	Sea Water	
	River Water	
By Region:		
	North America	
	U.S.	
	Canada	
	Europe	
	UK	
	Germany	
	France	
	Spain	
	Italy	
	Rest of Europe	
	Asia Pacific	



	China
	India
	Japan
	Australia
	South Korea
	Rest of Asia Pacific
	Latin America
	Brazil
	Mexico
	Middle East & Africa
	Saudi Arabia
	South Africa
	Rest of Middle East & Africa
Years considered for the study are as follows:	
	Historical year – 2022
	Base year – 2023
	Forecast period – 2024 to 2032

Key Takeaways:



Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.



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