

# **Global Water Desalination Plant Equipment Market Size Study, by Technology (Reverse Osmosis, Multi-stage 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**

<https://marketpublishers.com/r/G89AF5458831EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G89AF5458831EN

## **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)

Mitsubishi Heavy Industries, Ltd.

Doosan Heavy Industries & Construction Co., Ltd.

Xylem Inc.

Aquatech International LLC

Abengoa S.A.

Alfa Laval AB

Toray Industries, Inc.

Dow Water & Process Solutions

Aqualia (FCC Group)

Hitachi Zosen Corporation

The detailed segments and sub-segment of the market are explained below:

By Technology:

Reverse Osmosis

Multi-stage Flash Distillation

Multiple-effect Distillation

By Application:

Municipal

Industrial

### 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.

## Contents

### **CHAPTER 1. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET EXECUTIVE SUMMARY**

- 1.1. Global Water Desalination Plant Equipment Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Technology
  - 1.3.2. By Application
  - 1.3.3. By Product
  - 1.3.4. By Source
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

## **CHAPTER 3. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET DYNAMICS**

### **3.1. Market Drivers**

- 3.1.1. Escalating Urbanization
- 3.1.2. Technological Advancements
- 3.1.3. Rising Investments in Infrastructure

### **3.2. Market Challenges**

- 3.2.1. High Energy Consumption
- 3.2.2. Capital-Intensive Installation Processes

### **3.3. Market Opportunities**

- 3.3.1. Sustainable and Renewable Energy Solutions
- 3.3.2. Hybrid Desalination Systems
- 3.3.3. Public-Private Partnerships

## **CHAPTER 4. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET INDUSTRY ANALYSIS**

### **4.1. Porter's 5 Force Model**

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### **4.2. PESTEL Analysis**

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### **4.3. Top Investment Opportunities**

### **4.4. Top Winning Strategies**

### **4.5. Disruptive Trends**

### **4.6. Industry Expert Perspective**

### **4.7. Analyst Recommendation & Conclusion**



## **CHAPTER 5. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

### 5.1. Segment Dashboard

### 5.2. Global Water Desalination Plant Equipment Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 5.2.1. Reverse Osmosis

#### 5.2.2. Multi-stage Flash Distillation

#### 5.2.3. Multiple-effect Distillation

## **CHAPTER 6. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 6.1. Segment Dashboard

### 6.2. Global Water Desalination Plant Equipment Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 6.2.1. Municipal

#### 6.2.2. Industrial

## **CHAPTER 7. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET SIZE & FORECASTS BY PRODUCT 2022-2032**

### 7.1. Segment Dashboard

### 7.2. Global Water Desalination Plant Equipment Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 7.2.1. Membranes

#### 7.2.2. Pumps

#### 7.2.3. Evaporators

## **CHAPTER 8. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET SIZE & FORECASTS BY SOURCE 2022-2032**

### 8.1. Segment Dashboard

### 8.2. Global Water Desalination Plant Equipment Market: Source Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 8.2.1. Sea Water

#### 8.2.2. River Water

## **CHAPTER 9. GLOBAL WATER DESALINATION PLANT EQUIPMENT MARKET**

## SIZE & FORECASTS BY REGION 2022-2032

- 9.1. North America Water Desalination Plant Equipment Market
  - 9.1.1. U.S. Water Desalination Plant Equipment Market
    - 9.1.1.1. Technology Breakdown Size & Forecasts, 2022-2032
    - 9.1.1.2. Application Breakdown Size & Forecasts, 2022-2032
  - 9.1.2. Canada Water Desalination Plant Equipment Market
- 9.2. Europe Water Desalination Plant Equipment Market
  - 9.2.1. U.K. Water Desalination Plant Equipment Market
  - 9.2.2. Germany Water Desalination Plant Equipment Market
  - 9.2.3. France Water Desalination Plant Equipment Market
  - 9.2.4. Spain Water Desalination Plant Equipment Market
  - 9.2.5. Italy Water Desalination Plant Equipment Market
  - 9.2.6. Rest of Europe Water Desalination Plant Equipment Market
- 9.3. Asia-Pacific Water Desalination Plant Equipment Market
  - 9.3.1. China Water Desalination Plant Equipment Market
  - 9.3.2. India Water Desalination Plant Equipment Market
  - 9.3.3. Japan Water Desalination Plant Equipment Market
  - 9.3.4. Australia Water Desalination Plant Equipment Market
  - 9.3.5. South Korea Water Desalination Plant Equipment Market
  - 9.3.6. Rest of Asia-Pacific Water Desalination Plant Equipment Market
- 9.4. Latin America Water Desalination Plant Equipment Market
  - 9.4.1. Brazil Water Desalination Plant Equipment Market
  - 9.4.2. Mexico Water Desalination Plant Equipment Market
  - 9.4.3. Rest of Latin America Water Desalination Plant Equipment Market
- 9.5. Middle East & Africa Water Desalination Plant Equipment Market
  - 9.5.1. Saudi Arabia Water Desalination Plant Equipment Market
  - 9.5.2. South Africa Water Desalination Plant Equipment Market
  - 9.5.3. Rest of Middle East & Africa Water Desalination Plant Equipment Market

## CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
  - 10.1.1. Veolia Environnement S.A.
  - 10.1.2. Suez SA
  - 10.1.3. Acciona S.A.
- 10.2. Top Market Strategies
- 10.3. Company Profiles
  - 10.3.1. Veolia Environnement S.A.

- 10.3.1.1. Key Information
- 10.3.1.2. Overview
- 10.3.1.3. Financial (Subject to Data Availability)
- 10.3.1.4. Product Summary
- 10.3.1.5. Market Strategies
- 10.3.2. Suez SA
- 10.3.3. Acciona S.A.
- 10.3.4. IDE Technologies Ltd.
- 10.3.5. General Electric Company (GE Water)
- 10.3.6. Mitsubishi Heavy Industries, Ltd.
- 10.3.7. Doosan Heavy Industries & Construction Co., Ltd.
- 10.3.8. Xylem Inc.
- 10.3.9. Aquatech International LLC
- 10.3.10. Abengoa S.A.
- 10.3.11. Alfa Laval AB
- 10.3.12. Toray Industries, Inc.
- 10.3.13. Dow Water & Process Solutions
- 10.3.14. Aqualia (FCC Group)
- 10.3.15. Hitachi Zosen Corporation

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes

## **12. LIST OF TABLES**

- TABLE 1. Global Water Desalination Plant Equipment Market, Report Scope
- TABLE 2. Global Water Desalination Plant Equipment Market Estimates & Forecasts by Region 2022-2032 (USD Million/Billion)
- TABLE 3. Global Water Desalination Plant Equipment Market Estimates & Forecasts by Technology 2022-2032 (USD Million/Billion)
- TABLE 4. Global Water Desalination Plant Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Million/Billion)

TABLE 5. Global Water Desalination Plant Equipment Market Estimates & Forecasts by Product 2022-2032 (USD Million/Billion)

TABLE 6. Global Water Desalination Plant Equipment Market Estimates & Forecasts by Source 2022-2032 (USD Million/Billion)

TABLE 7. Global Water Desalination Plant Equipment Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 8. Global Water Desalination Plant Equipment Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 9. Global Water Desalination Plant Equipment Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 10. Global Water Desalination Plant Equipment Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 11. Global Water Desalination Plant Equipment Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 12. Global Water Desalination Plant Equipment Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 13. Global Water Desalination Plant Equipment Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 14. Global Water Desalination Plant Equipment Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 15. U.S. Water Desalination Plant Equipment Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 16. U.S. Water Desalination Plant Equipment Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)

TABLE 17. U.S. Water Desalination Plant Equipment Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)

TABLE 18. Canada Water Desalination Plant Equipment Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 19. Canada Water Desalination Plant Equipment Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)

TABLE 20. Canada Water Desalination Plant Equipment Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)

...

This list is not complete; the final report contains more than 100 tables. The list may be updated in the final deliverable.

## 12. LIST OF FIGURES

FIG 1. Global Water Desalination Plant Equipment Market, Research Methodology

*Global Water Desalination Plant Equipment Market Size Study, by Technology (Reverse Osmosis, Multi-stage Flash...*

FIG 2. Global Water Desalination Plant Equipment Market, Market Estimation Techniques

FIG 3. Global Market Size Estimates & Forecast Methods

FIG 4. Global Water Desalination Plant Equipment Market, Key Trends 2023

FIG 5. Global Water Desalination Plant Equipment Market, Growth Prospects 2022-2032

FIG 6. Global Water Desalination Plant Equipment Market, Porter's 5 Force Model

FIG 7. Global Water Desalination Plant Equipment Market, PESTEL Analysis

FIG 8. Global Water Desalination Plant Equipment Market, Value Chain Analysis

FIG 9. Global Water Desalination Plant Equipment Market by Segment, 2022 & 2032 (USD Million/Billion)

FIG 10. Global Water Desalination Plant Equipment Market by Segment, 2022 & 2032 (USD Million/Billion)

FIG 11. Global Water Desalination Plant Equipment Market by Segment, 2022 & 2032 (USD Million/Billion)

FIG 12. Global Water Desalination Plant Equipment Market by Segment, 2022 & 2032 (USD Million/Billion)

FIG 13. Global Water Desalination Plant Equipment Market by Segment, 2022 & 2032 (USD Million/Billion)

FIG 14. Global Water Desalination Plant Equipment Market, Regional Snapshot 2022 & 2032

FIG 15. North America Water Desalination Plant Equipment Market 2022 & 2032 (USD Million/Billion)

FIG 16. Europe Water Desalination Plant Equipment Market 2022 & 2032 (USD Million/Billion)

FIG 17. Asia-Pacific Water Desalination Plant Equipment Market 2022 & 2032 (USD Million/Billion)

FIG 18. Latin America Water Desalination Plant Equipment Market 2022 & 2032 (USD Million/Billion)

FIG 19. Middle East & Africa Water Desalination Plant Equipment Market 2022 & 2032 (USD Million/Billion)

FIG 20. Global Water Desalination Plant Equipment Market, Company Market Share Analysis (2023)

...

This list is not complete; the final report contains more than 50 figures. The list may be updated in the final deliverable.

## I would like to order

Product name: Global Water Desalination Plant Equipment Market Size Study, by Technology (Reverse Osmosis, Multi-stage 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

Product link: <https://marketpublishers.com/r/G89AF5458831EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G89AF5458831EN.html>