

Water Desalination Equipment Market Report by Technology (Reverse Osmosis, Multi-Stage Flash (MSF) Distillation, Multi-Effect Distillation (MED), and Others), Source (Seawater, Brackish Water, River Water, and Others), Application (Municipal, Industrial, and Others), and Region 2024-2032

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Abstracts

The global water desalination equipment market size reached US\$ 11.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 22.5 Billion by 2032, exhibiting a growth rate (CAGR) of 7.9% during 2024-2032.

Water desalination equipment refers to the industrial devices used for the purification of seawater and brackish water. They separate dissolved salts and minerals from various water sources, such as oceans, rivers, wells, streams, wastewater and industrial feed, and convert them to potable and freshwater. It utilizes various techniques, such as reverse osmosis (RO), nanofiltration (NF), electrodialysis (ED) and ED reversal (EDR). The separation processes use pressure and electrical force to pass water through the membrane and provide high-quality consumable water. As a result, the equipment finds extensive applications across various industries, including oil and gas, municipality, agriculture, chemical and mining industries.

Rapid industrialization, along with the increasing requirement for effective wastewater management systems across the globe, represents one of the key factors driving the growth of the market. Furthermore, the depleting levels of freshwater reserves is also driving the market growth. With the rising global population and deteriorating environmental conditions, such as the increasing occurrence of drought, altered weather patterns and deforestation, governments of various developing economies are

increasingly investing in the development of water desalination plants. Additionally, various technological advancements, such as the development of hybrid desalination process equipment and multi-stage (MSF) distillation technology, are acting as other major growth-inducing factors. In comparison to the traditionally used technologies, MSF offers a high Gain Output Ratio (GOR), ease of operation, minimal maintenance costs and compatibility with dual-purpose power generation plants. Other factors, including extensive infrastructural developments, along with the increasing adoption of compact water purification and desalination equipment by the residential and commercial sectors, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global water desalination equipment market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technology, source and application.

Breakup by Technology:

Reverse Osmosis

Multi-Stage Flash (MSF) Distillation

Multi-Effect Distillation (MED)

Others

Breakup by Source:

Seawater

Brackish Water

River Water

Others

Breakup by Application:

Municipal

Industrial

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Abengoa, S.A., Acciona, S.A., Biwater Holdings Limited, Doosan Heavy Industries & Construction Co. Ltd., Genesis Water Technologies, Inc., IDE Technologies, Koch Separation Solutions, Inc., The Dow Chemical Company, Veolia Environnement S.A., and Xylem, Inc.

Key Questions Answered in This Report:

How has the global water desalination equipment market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global water desalination equipment market?

What are the key regional markets?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the source?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global water desalination equipment market and who are the key players?

What is the degree of competition in the industry?

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