

Global Reverse Osmosis Membrane Market Size study, by Type (Thin film composite membranes, Cellulose based membrane) End-Users (water and wastewater treatment, industrial processing) Filter Module (Spiral wound, Hollow Fiber, Tubular, Plate and Frame) Application (Desalination, utility water treatment, wastewater treatment & reuse, process water) and Regional Forecasts 2021-2027

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Abstracts

Global Reverse Osmosis Membrane Market is valued approximately USD 2.8 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 10.0% over the forecast period 2021-2027. Reverse osmosis is a type of membrane separation in which a solution is forced through a membrane that traps the solute while allowing the pure solvent to pass through. This membrane is often intended to enable only water to flow through while the solutes (such as salt ions) are segregated. The market is being driven by the rising demand for RO membrane in water and wastewater treatment.

Furthermore, the RO membrane market is being driven by rising water shortages and changing government laws requiring the treatment of industrial and municipal wastewater. The market is also being driven by rising demand for industrial process water and urbanization in emerging economies such as APAC, the Middle East and Africa, and South America. The water and wastewater treatment industry is driven by government regulations and rising demand for clean, treated drinking water. Various government initiatives have been launched, including Australia's Water Management Action Plan (2009) and the Environmental and Resource Efficiency Plan (2008), China's Special Plan for Seawater Utilization (2005), and the United States' Clean Water Act. It is utilised in the saltwater treatment process as it can separate dissolved solids,

bacteria, viruses, and other dissolved substances. For instance, in 2020, DuPont Water Solutions has introduced dry-tested seawater reverse osmosis components, allowing for a smooth transition from wet to dry testing while also increasing shelf life and storage flexibility. Its goal is to generate long-term operating advantages while exceeding membrane performance criteria.

The main regions of Asia Pacific, North America, Europe, Latin America, and the Rest of the World are included in the geographical analysis of the worldwide Reverse Osmosis Membrane market. The Middle East and North Africa is the largest RO membrane market, followed by Asia Pacific, which is also the fastest expanding. Due to the issue of water shortage, several Middle Eastern and North African nations are expected to continue investing in desalination facilities. Saudi Arabia is the world's largest manufacturer and end-user of RO membranes. Due to the rising number of multinational firms establishing Filter Module ion plants and offices in the country, it is expected to lead the Middle East & North America RO membrane market. Around 5% of the world's population lives in the region, which has less than 1% of the world's water resources, creating a serious concern of water shortage; nevertheless, it has successfully tapped aquifers and built a large network of desalination facilities.

Major market player included in this report are:

DuPont Water Solutions

Toray Industries

Suez Water Technologies and Solutions

Hydranautics

LG Chem

Koch

Mann Hummel water & fluid solutions

Membranium

Toyobo Co. Ltd.

Axeon Water Technologies

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Thin-film composite membranes

Cellulose based membranes

By End-Users:

Water & wastewater treatment

Industrial processing

By Filter Module:

Spiral wound

Hollow Fiber

Tubular

Plate and frame

By Application:

Desalination

Utility water treatment

Wastewater treatment & reuse

Process water

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Reverse Osmosis Membrane Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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