

# The Reverse Osmosis (RO) Membrane Market is projected to grow to USD 11.05 Billion by 2030, expanding at a CAGR of 8.9%

*The Business Research Company's Reverse Osmosis (RO) Membrane Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED KINGDOM, January 23, 2026

[/EINPresswire.com/](https://www.thebusinessresearchcompany.com/) -- [The reverse osmosis \(RO\) membrane market](#) has

been experiencing significant growth, propelled by rising demand for effective water treatment solutions worldwide. This market is evolving quickly due to technological advancements and increased emphasis on sustainable water management, making it essential to understand its current scale, growth drivers, and regional dynamics.

Current Market Size and Projected Growth of [the Reverse Osmosis Membrane Market](#)

The reverse osmosis membrane market has expanded considerably over recent years. It is expected to increase from \$7.22 billion in 2025 to \$7.87 billion in 2026, reflecting a compound annual growth rate (CAGR) of 9.0%. This earlier growth can be linked to factors such as heightened demand for purified drinking water, established use of membranes in desalination processes, broader adoption in industrial wastewater treatment, advances in cellulose-based membrane technology, and early acceptance of thin-film composite membranes.

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Looking ahead, the market is forecasted to continue strong expansion, reaching \$11.06 billion by 2030 with a CAGR of 8.9%. This anticipated surge is driven by factors including increased focus on zero-liquid discharge systems, wider implementation of advanced desalination technologies, integration of real-time monitoring capabilities in water treatment plants, growing demand for efficient industrial process water treatment, and the rise of sustainable water recycling initiatives. Key trends shaping the future market include adoption of eco-friendly membrane manufacturing methods, growth of smart industrial filtration platforms, development of digital water treatment systems, incorporation of IoT-enabled monitoring solutions, and advancements

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in AI-driven predictive water purification models.

### Understanding Reverse Osmosis Membranes and Their Uses

Reverse osmosis membranes are semipermeable materials designed to allow solvent passage from a concentrated solution to a pure solvent by applying pressure on the solution side. Their primary function is to separate dissolved solutes from water effectively. They are widely recognized for their role in drinking water purification, notably for removing salts and other contaminants from water molecules, which makes them indispensable in desalination and water treatment applications.

View the full reverse osmosis (ro) membrane market report:

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### Industrialization as a Key Driver of the Reverse Osmosis Membrane Market

The rapid pace of industrialization is a vital factor expected to boost growth in the reverse osmosis membrane market. Industrialization involves transitioning an economy from primarily agriculture-based to one focused on manufacturing, supported by improvements in infrastructure, technology, and industrial development. This ongoing shift is propelled by increasing global population and urbanization, which fuel the demand for mass production of goods. Reverse osmosis membranes contribute by purifying process water and treating industrial wastewater, ensuring manufacturers have access to high-quality water while meeting environmental regulations.

Evidence of this connection can be seen in recent statistics; for example, in October 2024, Saudi Arabia's industrial production rose by 5.0% year-over-year, following a 0.4% increase in September, according to Trading Economics, a trusted economic data provider. Such industrial growth directly supports the expanding need for reverse osmosis membrane technology.

### North America's Leading Position and Regional Market Outlook

In 2025, North America held the largest share of the reverse osmosis membrane market. The market report encompasses key geographic regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa. Among these, North America remains dominant, while other regions, particularly Asia-Pacific, are anticipated to exhibit rapid growth due to increasing industrial activities and water treatment infrastructure development.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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