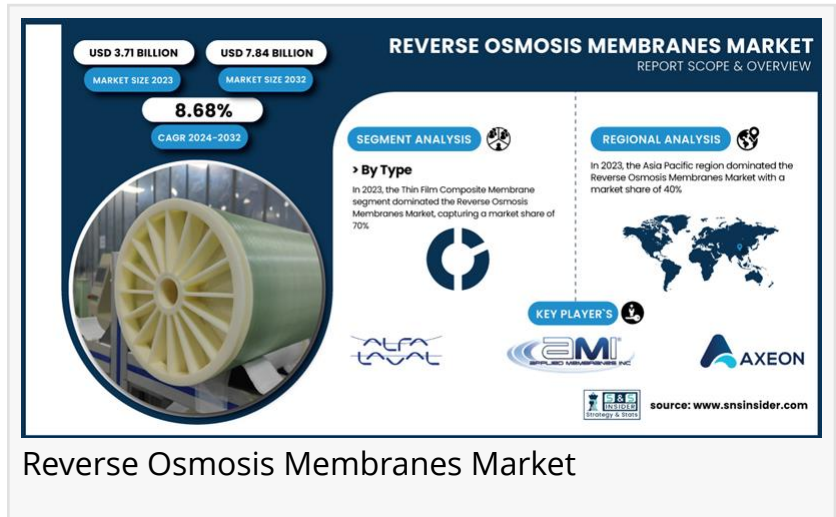


# Reverse Osmosis Membranes Market to Double by 2032, Forecasted to Reach USD 7.84 Billion

*Rising water scarcity, technological advancements, and increasing industrial demand are driving growth in the Reverse Osmosis Membranes Market.*

AUSTIN, TX, UNITED STATES, February 21, 2025 /EINPresswire.com/ -- The [Reverse Osmosis Membranes Market](#) Size was valued at 3.71 Billion in 2023 and is expected to reach USD 7.84 Billion by 2032, growing at a CAGR of 8.68% over the forecast period of 2024-2032.



The global Reverse Osmosis (RO) Membranes market has been witnessing tremendous growth owing to the increasing global concerns over water scarcity as well as the burgeoning need for drinking water. Stringent regulations are implemented by governments across the globe to strengthen water purification infrastructure. The International Desalination Association says more than 300 million people use desalinated water worldwide and that number is growing. The tightening of water quality regulations by the U.S. Environmental Protection Agency (EPA) has also encouraged the industries to implement advanced filtration solutions. In 2023, Saudi Arabia also announced USD 10 billion investment to construct desalination plants and address water shortages, driving input requirement for RO membranes even more.

Moreover, key players such as DuPont and Toray Industries are focusing on expanding their portfolio of products to improve membrane efficiency and sustainability. In March 2024, DuPont launched its latest high-performance membrane technology that aims to cut energy consumption by 15%, making reverse osmosis systems more cost-effective and less harmful to the environment. Market growth is also propelled by the rising use of RO technology in a variety of end-use industries, including pharmaceuticals, power generation, and food & beverage. For the coming decade, the swift urbanization and industrial growth in emerging economies and even in advanced economies is expected to drive demand for RO membranes.

Get a Sample Report of Reverse Osmosis

Membranes Market @ <https://www.snsinsider.com/sample-request/5609>

Key Players:

- Alfa Laval (Lund, Sweden)
- Applied Membranes Inc. (Vista, California, USA)
- Axeon Water Technologies (Temecula, California, USA)
- Best Water Technology Group (Langen, Germany)
- BNKO Environmental Technology (Shanghai) Co. Ltd. (Shanghai, China)
- DuPont (Wilmington, Delaware, USA)
- Hydranautics (Oceanside, California, USA)
- Hyflux Ltd. (Singapore)
- Kovalus Separation Solutions (Saskatoon, Canada)
- Koch Separation Solutions (Wichita, Kansas, USA)
- Keensen Technology Co. Ltd. (Taipei, Taiwan)
- Lanxess (Cologne, Germany)
- LG Chem (Seongnam, Gyeonggi-do, South Korea)
- Mann+Hummel Water & Fluid Solutions (Ludwigsburg, Germany)
- Membranium (Moscow, Russia)
- Pall Corporation (Port Washington, New York, USA)
- Pentair (London, UK)
- Suez Water Technologies & Solutions (Paris, France)
- Thermo Fisher Scientific (Waltham, Massachusetts, USA)
- Toray Industries Inc. (Tokyo, Japan)
- Toyobo Co. Ltd. (Osaka, Japan)
- Vontron Technology Co. Ltd. (Shenzhen, China)

By Type

In 2023, Thin Film Composite (TFC) membranes held a dominant 70% share of the Reverse Osmosis Membranes market. Membranes made from the new material are far more effective, longer-lasting and can withstand biological substances better than the cellulose-based alternatives. TFC membranes are used in reverse osmosis for desalination plants, industrial wastewater, and residential water purification system. For example, in 2023, LG Chem launched a new TFC membrane that improves salt rejection rates and lowers energy consumption. Ongoing research in next-generation polymer materials is likely to contribute towards the growing adoption of the TFC membrane market, reinforcing its dominance in the market.

By Filter Module

Spiral Wound modules held the largest market share of 60% in 2023 owing to its high filtration efficiency and compact size. More than 2500 high recovery spiral wound membrane

modules are commercially in use in desalination plants and industrial waste water treatment plants world-wide. They have far superior high pressure handling capabilities and long term performance, making them preferred compared to plate & frame and tubular configurations. Increasing installation of seawater desalination plants in water-scarce areas including Middle East and California, has driven high demand for spiral wound RO membranes.

## By Application

In 2023, desalination dominated the Reverse Osmosis Membranes market, accounting for 50% of the market. Governments are investing in desalination infrastructure as freshwater scarcity deepens. For instance, the UAE opened a new USD 3.2 billion desalination facility in 2023 to satisfy increasing water demand. Due to its cost-effectiveness and high recovery rates, reverse osmosis technology is still the most preferred technology for desalination. The continued growth of municipal and industrial desalination projects around the planet should support the segment's dominance.

Buy Full Research Report on Reverse Osmosis Membranes Market 2024-2032 @ <https://www.snsinsider.com/checkout/5609>

Asia Pacific dominated the global Reverse Osmosis Membranes market in 2023, holding a 40% market share.

The demands for reverse osmosis (RO) membranes is being fueled by rapid urbanization, industrial expansion and increasing water scarcity in countries like China and India. The Indian government's Jal Jeevan Mission, which aims to provide clean drinking water in rural areas, has led to increased adoption of membranes. Moreover, China's strict water pollution regulations have driven investments in advanced water treatment technologies. Toray and Hydranautics are among the companies that have built manufacturing plants in the region to meet growing demand.

## About Us:

SNS Insider is a global leader in market research and consulting, shaping the future of the industry. Our mission is to empower clients with the insights they need to thrive in dynamic environments. Utilizing advanced methodologies such as surveys, video interviews, and focus groups, we provide up-to-date, accurate market intelligence and consumer insights, ensuring you make confident, informed decisions.

Jagney Dave

SNS Insider Pvt. Ltd

+1 315 636 4242

[email us here](#)

Visit us on social media:

Facebook  
X  
LinkedIn  
Instagram

---

This press release can be viewed online at: <https://www.einpresswire.com/article/787988814>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.