

# **Membrane Oxygenators Market Size, Trends, Analysis, and Outlook By Type (Hollow fiber membrane oxygenators, Flat sheet membrane oxygenators), By Application (Respiratory, ECPR), By Age group (Adults, Neonates, Pediatrics), by Region, Country, Segment, and Companies, 2024-2030**

<https://marketpublishers.com/r/M97E5EDB0DD1EN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: M97E5EDB0DD1EN

## **Abstracts**

The global Membrane Oxygenators market size is poised to register 5.93% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Membrane Oxygenators market across By Type (Hollow fiber membrane oxygenators, Flat sheet membrane oxygenators), By Application (Respiratory, ECPR), By Age group (Adults, Neonates, Pediatrics).

The Membrane Oxygenators Market is experiencing growth driven by the increasing demand for extracorporeal membrane oxygenation (ECMO) therapy in the management of acute respiratory failure, cardiac support, and cardiopulmonary bypass procedures in critical care and cardiac surgery settings. Membrane oxygenators are medical devices used to oxygenate and remove carbon dioxide from blood outside the body during ECMO therapy and cardiopulmonary bypass surgeries. Key trends shaping its future include the development of advanced membrane materials and oxygenation technologies for improved gas exchange efficiency and biocompatibility, the integration of integrated monitoring and control systems for continuous patient monitoring and therapy optimization, and the customization of membrane oxygenator designs to meet specific patient needs and clinical applications. Additionally, factors such as the increasing prevalence of respiratory diseases and cardiovascular disorders, the advancements in ECMO therapy techniques and patient management protocols, and the expansion of ECMO programs in hospitals and healthcare systems are expected to

drive market growth in 2024 and beyond.

## Membrane Oxygenators Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Membrane Oxygenators market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Membrane Oxygenators survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Membrane Oxygenators industry.

## Key market trends defining the global Membrane Oxygenators demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Membrane Oxygenators Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Membrane Oxygenators industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Membrane Oxygenators companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Membrane Oxygenators industry

Leading Membrane Oxygenators companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Membrane Oxygenators companies.

## Membrane Oxygenators Market Study- Strategic Analysis Review

The Membrane Oxygenators market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## Membrane Oxygenators Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Membrane Oxygenators industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Membrane Oxygenators Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

**North America Membrane Oxygenators Market Size Outlook-** Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Membrane Oxygenators market segments. Similarly, Strong end-user demand is encouraging Canadian Membrane Oxygenators companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Membrane Oxygenators market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe Membrane Oxygenators Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European Membrane Oxygenators industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Membrane Oxygenators market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Membrane Oxygenators Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Membrane Oxygenators in Asia Pacific. In particular, China, India, and South East Asian Membrane Oxygenators markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Membrane Oxygenators Market Size Outlook- Continued urbanization**

and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Membrane Oxygenators Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Membrane Oxygenators market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Membrane Oxygenators.

Membrane Oxygenators Market Company Profiles

The global Membrane Oxygenators market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Fresenius SE & Co KGaA, Getinge AB, Medtronic, MicroPort Scientific Corp, Nipro Medical Corp, Terumo Medical Corp

Recent Membrane Oxygenators Market Developments

The global Membrane Oxygenators market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Membrane Oxygenators Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local

Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Hollow fiber membrane oxygenators

Flat sheet membrane oxygenators

By Application

Respiratory

-Respiratory failure

-Pulmonary embolism

-Acute respiratory distress syndrome

-Pneumonia

-COVID-19

Cardiac

-Acute myocardial infarction

-Myocarditis

-Post-transplant complications

-Decompensated cardiomyopathy

-Cardiogenic shock

ECPR

By Age group

Adults

Neonates

Pediatrics

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Fresenius SE & Co KGaA

Getinge AB

Medtronic

MicroPort Scientific Corp

Nipro Medical Corp

Terumo Medical Corp

Formats Available: Excel, PDF, and PPT

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- Decompensated cardiomyopathy
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