

Global MABR Membrane Module Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global MABR Membrane Module market size was valued at US\$ 26.55 million in 2025 and is forecast to a readjusted size of US\$ 46.77 million by 2032 with a CAGR of 8.4% during review period.

In 2025, global MABR Membrane Module production reached approximately 8.6k units, with an average global market price of around US\$3k per unit.

A Membrane Aerated Biofilm Reactor (MABR) module is the core component of an MABR wastewater treatment system, typically composed of gas-permeable hollow fiber membranes or composite polymer membranes. The module delivers oxygen directly through the membrane wall to a biofilm growing on the membrane surface, while wastewater flows on the outside of the membrane. Microorganisms in the biofilm degrade organic pollutants and nitrogen compounds, enabling simultaneous nitrification and denitrification within the same reactor. Compared with conventional aeration processes, MABR modules use membrane-based oxygen transfer without bubbles, offering higher oxygen utilization efficiency, lower energy consumption, reduced sludge production, and a smaller footprint.

The MABR module industry chain begins upstream with suppliers of membrane materials, polymer resins, membrane fiber manufacturing equipment, stainless-steel frames, air delivery systems, and control electronics. Key materials include advanced polymers such as PVDF, PTFE, and PDMS used in gas-permeable membranes. The midstream segment consists of MABR module manufacturers and wastewater treatment system integrators responsible for membrane fabrication, module assembly, and plant

engineering. Downstream applications mainly include municipal wastewater treatment plants, industrial wastewater facilities, rural sewage treatment systems, and decentralized treatment units. Representative upstream material suppliers include DuPont, Arkema, Solvay, and 3M, while midstream technology providers include Fluence, SUEZ, DuPont Water Solutions, and Aquatec Maxcon. Downstream users include municipal water utilities, industrial parks, and environmental engineering contractors. The ecosystem integrates membrane material manufacturing, treatment equipment production, and environmental infrastructure deployment.

This report is a detailed and comprehensive analysis for global MABR Membrane Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global MABR Membrane Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global MABR Membrane Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global MABR Membrane Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global MABR Membrane Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for MABR Membrane Module

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global MABR Membrane Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fluence Corporation, Veolia, DuPont OxyMem, SUEZ, Aquatec Maxcon, Green Source Environmental Protection Technology, Hydroking Tech, LEDON-TECH, Jiangsu Julan Nano, Oxymo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

MABR Membrane Module market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PVDF

PTFE

PDMS

Others

Market segment by Membrane Structure

Hollow Fiber Membrane

Flat Sheet Membrane

Spiral Wound Membrane

Others

Market segment by Application

Rivers

Lakes

Reservoirs

Municipal Wastewater

Industrial Wastewater

Others

Major players covered

Fluence Corporation

Veolia

DuPont OxyMem

SUEZ

Aquatec Maxcon

Green Source Environmental Protection Technology

Hydroking Tech

LEDON-TECH

Jiangsu Julan Nano

Oxymo

Mainamo

Monon Membrane

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe MABR Membrane Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of MABR Membrane Module, with price, sales quantity, revenue, and global market share of MABR Membrane Module from 2021 to 2026.

Chapter 3, the MABR Membrane Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the MABR Membrane Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and MABR Membrane Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of MABR Membrane Module.

Chapter 14 and 15, to describe MABR Membrane Module sales channel, distributors, customers, research findings and conclusion.

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