

Mexico Membrane Bioreactor (MBR) Market Size, Share, Trends and Forecast by System Configuration, Membrane Type, Application, and Region, 2026-2034

<https://marketpublishers.com/r/M66A15C38EE6EN.html>

Date: June 2026

Pages: 120

Price: US\$ 2,999.00 (Single User License)

ID: M66A15C38EE6EN

Abstracts

The Mexico membrane bioreactor (MBR) market size reached USD 56.2 Million in 2025 . Looking forward, IMARC Group expects the market to reach USD 122.8 Million by 2034, exhibiting a growth rate (CAGR) of 8.71 % during 2026-2034. The market is driven by rising urban wastewater treatment needs, tightening environmental regulations, industrial expansion, and increasing reuse of treated water. Government initiatives to modernize sanitation infrastructure and growing interest in decentralized treatment systems further support adoption, especially in water-scarce and densely populated regions.

MEXICO MEMBRANE BIOREACTOR (MBR) MARKET TRENDS:

Surge in Decentralized and Compact Wastewater Treatment Systems

The growing demand for decentralized wastewater treatment systems in semi-urban and peri-urban regions of Mexico is strengthening the market for membrane bioreactor (MBR) technology. For instance, Mexico's 2024–2030 National Water Plan addresses rising water stress from overuse, pollution, and climate change. Industrial water consumption has surged 30% over the past decade and is expected to grow 15% by 2030. Only 1% of wastewater is currently recycled, and 105 of 653 aquifers are overdrawn. The plan includes \$105 billion MXN in infrastructure investments, reforms to the National Water Law, improved reuse technologies, and participatory governance to ensure sustainable water access and support industrial development under stricter regulatory oversight. Compact design, operational efficiency, and scalability make MBR systems ideal for areas lacking centralized sewage infrastructure. Real estate developers, gated communities, industrial parks, and commercial establishments are

increasingly adopting MBR units due to space constraints and regulatory mandates for on-site treatment and discharge compliance. These systems also provide high effluent quality, enabling treated water to be reused for non-potable purposes such as landscaping and toilet flushing. The emphasis on self-sufficient infrastructure in new developments, particularly in states like Baja California, Querétaro, and Jalisco, continues to accelerate the integration of MBR-based treatment modules into local wastewater strategies.

Industrial Sector Transition Toward Water Reuse Technologies

Mexico's industrial sector, especially in food processing, pharmaceuticals, and electronics manufacturing, is increasingly embracing MBR technology as part of broader water reuse initiatives. For instance, as per industry reports, From August 2024 to August 2026, the International Water Management Institute (IWMI), funded by Google.org, is leading a project to enhance wastewater reuse in Mexico using AI, Earth observation, and data analytics. The initiative aims to help government agencies and utilities assess opportunities to recover unutilized wastewater for agriculture, industry, and environmental needs. It will deliver high-resolution, spatially explicit data on wastewater availability and sectoral demands, while evaluating reuse potential based on treatment plant access, effluent quality, and water demand specifics. High effluent quality from MBR systems makes them particularly suitable for closed-loop recycling within industrial facilities, thereby reducing dependency on freshwater supplies and lowering discharge volumes. Stricter effluent discharge regulations under CONAGUA (National Water Commission) oversight and rising water tariffs have compelled industries to adopt advanced treatment solutions that meet both quality standards and cost-efficiency benchmarks. As companies aim to align with global ESG standards and improve their environmental performance, MBR systems are gaining preference for their ability to reliably produce consistent output and reduce the overall environmental footprint of industrial operations.

MEXICO MEMBRANE BIOREACTOR (MBR) MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on system configuration, membrane type, and application.

System Configuration Insights:

Submerged

Side Stream

The report has provided a detailed breakup and analysis of the market based on the system configuration. This includes submerged and side stream.

Membrane Type Insights:

Hollow Fiber

Flat Sheet

Multi-Tubular

Others

A detailed breakup and analysis of the market based on the membrane type has also been provided in the report. This includes hollow fiber, flat sheet, multi-tubular, and others.

Application Insights:

Municipal Waste-Water Treatment

Industrial Waste-Water Treatment

Others

The report has provided a detailed breakup and analysis of the market based on the application. This includes municipal waste-water treatment, industrial waste-water treatment, and others.

Regional Insights:

Northern Mexico

Central Mexico

Southern Mexico

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Northern Mexico, Central Mexico, and Southern Mexico, and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the Mexico membrane bioreactor (MBR) market performed so far and how will it perform in the coming years?

What is the breakup of the Mexico membrane bioreactor (MBR) market on the basis of system configuration?

What is the breakup of the Mexico membrane bioreactor (MBR) market on the basis of membrane type?

What is the breakup of the Mexico membrane bioreactor (MBR) market on the basis of application?

What are the various stages in the value chain of the Mexico membrane bioreactor (MBR) market?

What are the key driving factors and challenges in the Mexico membrane bioreactor (MBR) market?

What is the structure of the Mexico membrane bioreactor (MBR) market and who are the key players?

What is the degree of competition in the Mexico membrane bioreactor (MBR) market?

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