

Global Membrane-Based Recovery Units Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Membrane-Based Recovery Units market size is predicted to grow from US\$ 1430 million in 2025 to US\$ 2455 million in 2032; it is expected to grow at a CAGR of 8.9% from 2026 to 2032.

Membrane-based recovery units are modular separation systems that use selective membranes to recover valuable gases, vapors or solvents from industrial streams, such as hydrogen, hydrocarbons, VOCs, methane, CO₂ or organic solvents. Compared with thermal or adsorption-based recovery, membrane units are valued for compact design, lower energy use, continuous operation and easier integration with condensation, compression or absorption processes. The chain covers polymer or inorganic membrane materials, hollow-fiber or flat-sheet membrane modules, compressors, vacuum pumps, condensers, pressure vessels and controls, then extends to petrochemical, natural gas, biogas, solvent recovery, carbon capture and specialty gas users.

Demand is driven by stricter VOC and carbon-emission control, rising energy costs, the economic value of recovering hydrogen and hydrocarbons, growth in biogas upgrading and low-carbon fuels, and the need for compact retrofit solutions in existing industrial plants. Membrane systems benefit where operators need continuous separation with lower heat input, while hybrid membrane-condensation or membrane-absorption processes improve recovery rates and broaden addressable applications.

LPI (LP Information)' newest research report, the "Membrane-Based Recovery Units Industry Forecast" looks at past sales and reviews total world Membrane-Based Recovery Units sales in 2025, providing a comprehensive analysis by region and market sector of projected Membrane-Based Recovery Units sales for 2026 through

2032. With Membrane-Based Recovery Units sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Membrane-Based Recovery Units industry.

This Insight Report provides a comprehensive analysis of the global Membrane-Based Recovery Units landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Membrane-Based Recovery Units portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Membrane-Based Recovery Units market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Membrane-Based Recovery Units and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Membrane-Based Recovery Units.

This report presents a comprehensive overview, market shares, and growth opportunities of Membrane-Based Recovery Units market by product type, application, key players and key regions and countries.

Segmentation by Type:

Polymeric Hollow Fiber

Flat-Sheet Composite

Pervaporation Membrane

Others

Segmentation by Driving Force:

Pressure-Driven

Vacuum-Driven

Others

Segmentation by Recovered Component:

Gas

Solvent

Segmentation by Application:

Petrochemicals

Natural Gas

Biogas

Pharmaceutical

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its

market penetration.

BORSIG Membrane Technology

Membrane Technology and Research

GENERON

Air Liquide Advanced Separations

Air Products Membrane Solutions

Pervatech

Mahler AGS

Dalian MTC Technology

Shandong Kerui Group

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