

# Global Membrane-Based Recovery Units Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Membrane-Based Recovery Units market size was valued at US\$ 1504 million in 2025 and is forecast to a readjusted size of US\$ 2509 million by 2032 with a CAGR of 8.4% during review period.

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, CO<sub>2</sub> 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.

This report is a detailed and comprehensive analysis for global Membrane-Based Recovery Units market. Both quantitative and qualitative analyses are presented by company, 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 Membrane-Based Recovery Units market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Membrane-Based Recovery Units market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Membrane-Based Recovery Units market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Membrane-Based Recovery Units market shares of main players, in revenue (\$ Million), 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 Membrane-Based Recovery Units

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 Membrane-Based Recovery Units market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

## Market segmentation

Membrane-Based Recovery Units 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. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Polymeric Hollow Fiber

Flat-Sheet Composite

Pervaporation Membrane

Others

### Market segment by Driving Force

Pressure-Driven

Vacuum-Driven

Others

### Market segment by Recovered Component

Gas

Solvent

### Market segment by Application

Petrochemicals

Natural Gas

Biogas

Pharmaceutical

Others

Market segment by players, this report covers

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

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Membrane-Based Recovery Units product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Membrane-Based Recovery Units, with revenue, gross margin, and global market share of Membrane-Based Recovery Units from 2021 to 2026.

Chapter 3, the Membrane-Based Recovery Units competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Membrane-Based Recovery Units market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Membrane-Based Recovery Units.

Chapter 13, to describe Membrane-Based Recovery Units research findings and conclusion.

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