

Global Biogas Separation Membrane Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Biogas Separation Membrane market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Biogas Separation Membrane market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

A biogas separation membrane, also known as a biogas upgrading membrane, is a specialized membrane used in biogas plants to separate and purify the methane component of biogas. Biogas, which is primarily composed of methane (CH₄) and carbon dioxide (CO₂), is generated through the anaerobic digestion of organic materials. However, biogas often contains impurities, such as moisture, hydrogen sulfide (H₂S), siloxanes, and trace contaminants. Biogas separation membranes selectively allow the permeation of methane while preventing the passage of other gases and impurities. This separation process upgrades the biogas to a higher methane content, producing biomethane, which can be injected into natural gas pipelines or used as a vehicle fuel. Biogas separation membranes play a vital role in the purification and utilization of biogas, enabling the production of a high-quality renewable energy source while meeting the stringent requirements for gas grid injection or other applications.

The major global manufacturers of Biogas Separation Membrane include Evonik Industries, Air Products, UBE Corporation, Air Liquide, etc. The global players

competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Biogas Separation Membrane. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Biogas Separation Membrane market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Biogas Separation Membrane market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Biogas Separation Membrane industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Biogas Separation Membrane Include:

Evonik Industries

Air Products

UBE Corporation

Air Liquide

Biogas Separation Membrane Product Segment Include:

Below 99% Methane Recovery Rate

Above 99% Methane Recovery Rate

Biogas Separation Membrane Product Application Include:

Commercial Factory Biogas Digester

Agricultural Biogas Digester

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