

Global Gas Separation Membranes Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Gas Separation Membranes market size is expected to reach \$ 883.1 million by 2029, rising at a market growth of 4.8% CAGR during the forecast period (2023-2029).

Global key players of gas separation membranes include Air Products, Air Liquide and UBE. The top three manufacturers account for about 64% of the global share, with the largest producer being Air Products, with a market share of about 30%. Global origins are mainly located in North America, Europe, China and Japan, with North America being the largest production region, holding more than 50% of the market share. In terms of product, hollow fiber is the largest segment, with a share about 89%. In terms of application, isolation of inert N₂ from air is the largest market, with a share about 29%.

Gas Separation Membranes is an interphase between two adjacent phases acting as a selective barrier, regulating the transport of gases among gas mixtures. Gas separation across a membrane is a pressure-driven process, where the driving force is the difference in pressure between inlet of raw material and outlet of product. The membrane used in the process is a generally non-porous layer, so there will not be a severe leakage of gas through the membrane. Gas separation membranes work according to the principle of selective permeation through the membrane surface. The permeation rate of each gas depends on its solubility in the membrane material and on the diffusion rate of the gas. Gases with high solubility and small molecules pass through the membrane very quickly.

This report studies the global Gas Separation Membranes production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gas Separation Membranes, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gas Separation Membranes that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gas Separation Membranes total production and demand, 2018-2029, (K Units)

Global Gas Separation Membranes total production value, 2018-2029, (USD Million)

Global Gas Separation Membranes production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Gas Separation Membranes consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Gas Separation Membranes domestic production, consumption, key domestic manufacturers and share

Global Gas Separation Membranes production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Gas Separation Membranes production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Gas Separation Membranes production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Gas Separation Membranes market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Air Products, Air Liquide, UBE, Grasys, Evonik, Fujifilm, Generon IGS, Honeywell and MTR, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gas Separation Membranes market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Gas Separation Membranes Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gas Separation Membranes Market, Segmentation by Type

Hollow Fiber

Spiral Wound

Others

Global Gas Separation Membranes Market, Segmentation by Application

Isolation of Inert N₂ from Air

H₂ Recovery

CO₂ Removal from Natural Gas

Vapor/Nitrogen Separation

Others

Companies Profiled:

Air Products

Air Liquide

UBE

Grasys

Evonik

Fujifilm

Generon IGS

Honeywell

MTR

Borsig

Parker Hannifin

Tianbang

SSS

Key Questions Answered

1. How big is the global Gas Separation Membranes market?
2. What is the demand of the global Gas Separation Membranes market?
3. What is the year over year growth of the global Gas Separation Membranes market?
4. What is the production and production value of the global Gas Separation Membranes market?
5. Who are the key producers in the global Gas Separation Membranes market?
6. What are the growth factors driving the market demand?

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