

# Gas Separation Membrane Market Competition Analysis 2026: How Players Are Shaping Growth

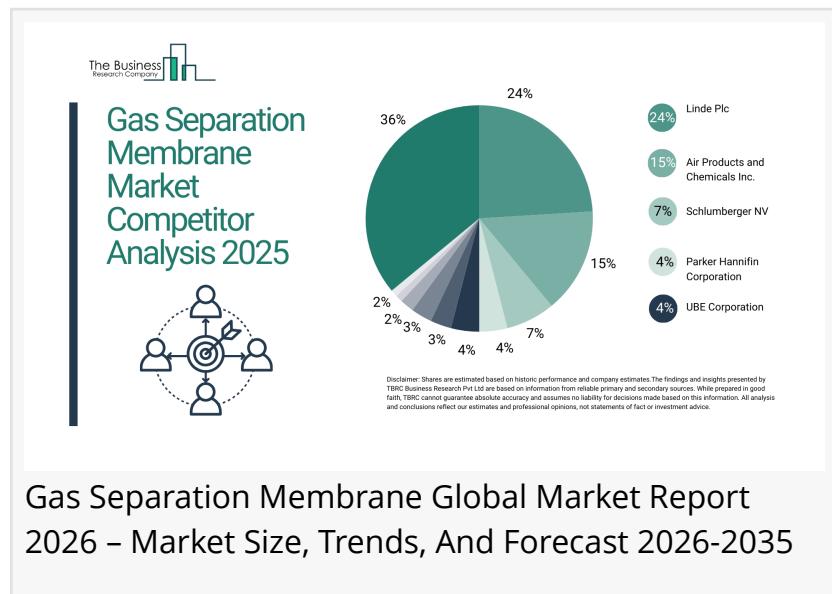
*The Business Research Company's Gas Separation Membrane Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED KINGDOM, January 6, 2026

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## [Separation Membrane market](#)

dominated by a mix of global filtration manufacturers and specialized membrane technology innovators. Companies are focusing on advancements in polymeric and inorganic membrane materials, energy-efficient separation technologies, and scalable module designs to strengthen market presence and improve operational efficiency. Understanding the competitive landscape is crucial for stakeholders aiming to capture emerging opportunities in industrial gas processing, environmental applications, and sustainable energy systems.



## Which Market Player Is Leading the Gas Separation Membrane Market?

According to our research, Linde Plc led global sales in 2024 with a 24% market share. The company partially involved in the gas separation membrane market provides atmospheric and process gases such as nitrogen, oxygen, carbon monoxide, argon, rare gases, carbon dioxide, hydrogen, helium, electronic gases, specialty gases, and acetylene. It also designs and constructs turnkey process plants, such as air separation, natural gas, olefin, hydrogen and synthesis gas plants.

## [How Concentrated Is the Gas Separation Membrane Market?](#)

The market is concentrated, with the top 10 players accounting for 65% of total market revenue in 2024. This level of concentration reflects the industry's substantial entry barriers—driven by significant capital investments, advanced polymer engineering capabilities, and the need for proprietary membrane fabrication technologies such as hollow-fiber, spiral-wound, and dense-film configurations. Leading manufacturers including Linde Plc, Air Products and Chemicals Inc,

Schlumberger, Parker Hannifin, and UBE Corporation dominate through their strong technological expertise, broad industrial customer base, and integrated production-to-distribution capabilities, while other participants compete through specialized membrane materials and niche application focus. As adoption rises across natural gas processing, hydrogen recovery, biogas upgrading, and industrial gas purification, the market's competitive landscape is further shaped by membrane performance metrics—selectivity, permeability, and operational durability—along with tightening environmental regulations favouring membrane-based systems over conventional separation methods. Increasing investment in next-generation polymeric, inorganic, and mixed-matrix membranes is expected to strengthen the technological leadership of major players, as demand for high-efficiency, low-lifecycle-cost solutions.

- Leading companies include:
  - Linde Plc (24%)
  - Air Products and Chemicals Inc. (15%)
  - Schlumberger NV (7%)
  - Parker Hannifin Corporation (4%)
  - UBE Corporation (4%)
  - ExxonMobil Corporation (3%)
  - Air Liquide S.A. (3%)
  - Fujifilm Holdings Corporation (2%)
  - Evonik Industries AG (1%)
  - ThyssenKrupp AG (1%)

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Which Companies Are Leading Across Different Regions?

- North America: Transfilm Technology Corporation, Solecta Inc, Air Liquide Advanced Separations, Honeywell UOP LLC (US), Membrane Technology and Research, Inc, GENERON IGS Inc. (US), Schlumberger Ltd. (US), Kovalus Separation Solutions LLC, Honeywell International Inc, Parker Hannifin Corporation, Air Products and Chemicals Inc, Eastman Chemical Company, Celanese Corporation, Equilibar LLC, W. L. Gore & Associates (Gore), GKN Powder Metallurgy, CAIRE Inc, Borna Membrane Solutions, Imtex Membranes Corp, Greenlane Renewables Inc, Xebec Adsorption Inc, CAG Technologies, Ionomr Innovations Inc. and Alfapur Technologies are leading companies in this region.
- Asia Pacific: Airrane, NGK Insulators Ltd, Tanaka Precious Metals Co, Ltd, Sinopec, Honeywell UOP, Air Liquide, Fujifilm Holdings Corporation, Toray Industries, Inc, UBE Corporation, Membrane Technology and Research Inc, Air Products and Chemicals, Inc and DIC Corporation are leading companies in this region.
- Western Europe: Evonik, Arkema, OYOYOO LTD, SPG Steiner GmbH, Membrane Technology and Research, Inc, FUJIFILM Manufacturing Europe B.V, Air Liquide, Evonik Industries AG and Linde plc are leading companies in this region.
- Eastern Europe: Gazprom, Evonik Industries AG, Siemens Energy AG, ProMark Associates Inc,

Kimberly-Clark Corporation, Purafil Inc. and Parker-Hannifin Corporation are leading companies in this region.

- South America: Linde plc, Honeywell UOP, Braskem S.A, Oxiteno, Ingeniería Mega S.A. and Gases del Caribe S.A. are leading companies in this region.

#### What Are the Major Competitive Trends in the Market?

- Integration of strategic polymer-membrane partnerships is transforming to combine advanced polymer material expertise with innovative membrane module design.
- Example: Arkema S.A. joint development initiative for high-performance CO<sub>2</sub>-separation gas membranes (January 2025) assigns its proprietary membrane and module design technology aimed at reducing CO<sub>2</sub> extraction and recovery costs.
- These innovations brings its advanced polymer material portfolio (including Pebax® elastomers, polyimide, PEKK and PVDF resins) while OXYO contributes its proprietary membrane and module design technology aimed at reducing CO<sub>2</sub> extraction and recovery costs.

#### Which Strategies Are Companies Adopting to Stay Ahead?

- Launching new products to enhance business operations
- Enhancing operational efficiency through process optimization and R&D investments
- Focusing on high-performance materials for industrial gas separation applications
- Leveraging modular and scalable membrane systems to meet diverse customer needs

Access the detailed Gas Separation Membrane Market report here:

<https://www.thebusinessresearchcompany.com/report/gas-separation-membrane-global-market-report>

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