

Global PMP Degasification Module Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global PMP Degasification Module market size is expected to reach \$ 124 million by 2032, rising at a market growth of 8.3% CAGR during the forecast period (2026-2032).

PMP Degasification Module is an advanced membrane contactor utilizing Poly-4-methyl-1-pentene (PMP) hollow fiber membranes to remove dissolved gases from liquids. Operating as a physical barrier between fluid and vacuum/sweep gas channels, the hydrophobic, non-porous asymmetric PMP membrane allows gas molecules to permeate freely while completely blocking liquid penetration. Thanks to its exceptional wet-out resistance and high gas permeability, the module efficiently eliminates dissolved oxygen and carbon dioxide. It is widely used in semiconductor ultrapure water treatment, industrial ink de-aeration, etc.

In 2025, global production of PMP Degasification Module reached 82 k units, with an average selling price of USD 851 per unit and total production capacity of approximately 100 k units. The industry gross margin was approximately 30%-45%. In terms of cost structure, direct materials accounted for about 75%, manufacturing overhead for about 20%, and labor for about 5%. The upstream supply chain mainly includes PMP resin, engineering plastics, potting adhesives, sealing components, and related materials, while downstream applications include water treatment, industrial inkjet printing, analytical and medical testing instruments, and other fields.

The global market for PMP degasification modules is driven by the upgrading of high-end manufacturing and efficiency improvements in industrial water treatment. Strict control standards for dissolved gases in ultrapure water for advanced processes, combined with growing demand for degassing complex fluids in biopharmaceutical and

fine chemical sectors, keep expanding the application scope of such products. Global regulatory policies on industrial water conservation and pollutant emissions further strengthen industrial users' willingness to adopt efficient degassing solutions, advancing the replacement of traditional vacuum degassing and thermal deaeration processes.

On the supply side, the market features a technology-tiered competitive landscape. International leading manufacturers have built solid customer loyalty in high-end segments with mature membrane preparation and module packaging technologies, boasting prominent advantages in degassing accuracy, long-term operational stability and low extractable properties. After breakthroughs in core technologies, local enterprises accelerate penetration into the mid-to-high end market via localized response speed and cost advantages, driving the global supply system to evolve steadily from high concentration to diversified competition.

Technically, the solvent resistance and anti-wetting properties of PMP materials make them irreplaceable for degassing special fluids containing surfactants and organic solvents. Optimization of the dense skin layer structure continuously improves mass transfer efficiency and service life. The synthesis precision and batch stability of upstream PMP resin directly define the upper limit of product performance, and technical barriers in raw materials form the core industry entry threshold. The overall market maintains steady growth alongside downstream high-end industrial expansion, and supply chain security demands drive decentralized adjustment of regional capacity layout.

This report studies the global PMP Degasification Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PMP Degasification Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of PMP Degasification Module that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PMP Degasification Module total production and demand, 2021-2032, (Units)

Global PMP Degasification Module total production value, 2021-2032, (USD Million)

Global PMP Degasification Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global PMP Degasification Module consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: PMP Degasification Module domestic production, consumption, key domestic manufacturers and share

Global PMP Degasification Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global PMP Degasification Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global PMP Degasification Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global PMP Degasification Module 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 DIC Corporation, Alpha Plan, Cobetter, Hangzhou Darlly Filtration Equipment, Sci-Nano Membrane Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PMP Degasification Module market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global PMP Degasification Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PMP Degasification Module Market, Segmentation by Type:

500 L/h

Global PMP Degasification Module Market, Segmentation by Outer Diameter:

Outer Diameter

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