

Global Membrane Filtration Separation Equipment Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Membrane Filtration Separation Equipment market size was valued at US\$ 1125 million in 2025 and is forecast to a readjusted size of US\$ 1766 million by 2032 with a CAGR of 6.7% during review period.

Membrane filtration separation equipment is a device that uses a semi-permeable membrane to separate, purify, or concentrate different components in a liquid or gas. By applying pressure or an electric field, the membrane allows only molecules of a specific size or property to pass through, blocking other substances, thereby achieving the separation or concentration of dissolved substances. This equipment is widely used in water treatment, food processing, pharmaceuticals, chemicals, and other industries to remove suspended solids, microorganisms, ions, and organic matter, improve product purity, treat wastewater, or produce high-purity substances. The membrane filtration separation equipment industry chain covers upstream membrane materials (such as PVDF, PES, PA, ceramic membranes, and metal membranes), component and module manufacturing (hollow fiber membrane modules, spiral wound membrane modules, tubular membrane modules, etc.), equipment integrators (ultrafiltration/nanofiltration/reverse osmosis/MBR complete systems), and downstream application industries (municipal wastewater treatment, industrial wastewater, food and beverage, seawater desalination, biopharmaceuticals, electronic ultrapure water, etc.). Upstream precision membrane materials have high technological barriers, with gross profit margins typically ranging from 35% to 55%. Midstream membrane module and system manufacturing has gross profit margins of approximately 20% to 40%. Downstream engineering integrators face fierce competition and have lower gross profit margins, generally between 10% and 20%. The overall industry capacity utilization rate

is affected by project cycles, membrane material capacity expansion, and fluctuations in downstream demand. Mainstream membrane material and membrane module companies generally maintain utilization rates between 70% and 90%, with higher utilization rates for high-end ceramic membranes and specialty membranes. However, the utilization rate of complete engineering equipment companies fluctuates significantly due to cyclical orders, typically ranging from 60% to 80%. In 2024, the global production of membrane filtration separation equipment reached 20,460 units, with an average selling price of US\$50,000 per unit.

Membrane filtration separation equipment plays an indispensable role in modern industry and environmental protection. Its high efficiency and environmentally friendly characteristics make it an ideal choice for handling complex separation tasks. With the continuous advancement of technology, such equipment can more accurately separate and purify various substances, promoting the sustainable development of multiple industries. However, the cost of equipment, maintenance requirements and membrane fouling are still challenges. Future research and innovation should focus on improving membrane performance, extending service life and reducing energy consumption to further expand the application scope and economic feasibility of membrane technology.

This report is a detailed and comprehensive analysis for global Membrane Filtration Separation Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Filtration Separation Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Membrane Filtration Separation Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Membrane Filtration Separation Equipment market size and forecasts, by Type

and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Membrane Filtration Separation Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 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 Filtration Separation Equipment

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 Filtration Separation Equipment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GEA Group, Pall Corporation, Koch Membrane Systems, Alfa Laval, Veolia Water Technologies, Toray Industries, Hydranautics, Pentair, etc.

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

Market Segmentation

Membrane Filtration Separation Equipment 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Microfiltration Equipment

Ultrafiltration Equipment

Nanofiltration Equipment

Reverse Osmosis Equipment

Market segment by System Scale

Small Industrial Systems

Medium Industrial Systems

Large Engineering-Grade Systems

Market segment by Equipment Type

Hollow Fiber Membrane Filtration Equipment

Spiral Wound Membrane Filtration Equipment

Tube Membrane Filtration Equipment

Market segment by Application

Food Industry

Water Treatment

Medical Industry

Agriculture

Others

Major players covered

GEA Group

Pall Corporation

Koch Membrane Systems

Alfa Laval

Veolia Water Technologies

Toray Industries

Hydranautics

Pentair

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Membrane Filtration Separation Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Membrane Filtration Separation Equipment, with price, sales quantity, revenue, and global market share of Membrane Filtration Separation Equipment from 2021 to 2026.

Chapter 3, the Membrane Filtration Separation Equipment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Membrane Filtration Separation Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Membrane Filtration Separation Equipment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Membrane Filtration Separation Equipment.

Chapter 14 and 15, to describe Membrane Filtration Separation Equipment sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Membrane Filtration Separation Equipment Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Microfiltration Equipment

1.3.3 Ultrafiltration Equipment

1.3.4 Nanofiltration Equipment

1.3.5 Reverse Osmosis Equipment

1.4 Market Analysis by Application

1.4.1 Overview: Global Membrane Filtration Separation Equipment Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.4.2 Food Industry

1.4.3 Water Treatment

1.4.4 Medical Industry

1.4.5 Agriculture

1.4.6 Others

1.5 Global Membrane Filtration Separation Equipment Market Size & Forecast

1.5.1 Global Membrane Filtration Separation Equipment Consumption Value (2021 & 2025 & 2032)

1.5.2 Global Membrane Filtration Separation Equipment Sales Quantity (2021-2032)

1.5.3 Global Membrane Filtration Separation Equipment Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 GEA Group

2.1.1 GEA Group Details

2.1.2 GEA Group Major Business

2.1.3 GEA Group Membrane Filtration Separation Equipment Product and Services

2.1.4 GEA Group Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 GEA Group Recent Developments/Updates

2.2 Pall Corporation

2.2.1 Pall Corporation Details

2.2.2 Pall Corporation Major Business

2.2.3 Pall Corporation Membrane Filtration Separation Equipment Product and Services

2.2.4 Pall Corporation Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Pall Corporation Recent Developments/Updates

2.3 Koch Membrane Systems

2.3.1 Koch Membrane Systems Details

2.3.2 Koch Membrane Systems Major Business

2.3.3 Koch Membrane Systems Membrane Filtration Separation Equipment Product and Services

2.3.4 Koch Membrane Systems Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Koch Membrane Systems Recent Developments/Updates

2.4 Alfa Laval

2.4.1 Alfa Laval Details

2.4.2 Alfa Laval Major Business

2.4.3 Alfa Laval Membrane Filtration Separation Equipment Product and Services

2.4.4 Alfa Laval Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Alfa Laval Recent Developments/Updates

2.5 Veolia Water Technologies

2.5.1 Veolia Water Technologies Details

2.5.2 Veolia Water Technologies Major Business

2.5.3 Veolia Water Technologies Membrane Filtration Separation Equipment Product and Services

2.5.4 Veolia Water Technologies Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Veolia Water Technologies Recent Developments/Updates

2.6 Toray Industries

2.6.1 Toray Industries Details

2.6.2 Toray Industries Major Business

2.6.3 Toray Industries Membrane Filtration Separation Equipment Product and Services

2.6.4 Toray Industries Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Toray Industries Recent Developments/Updates

2.7 Hydranautics

2.7.1 Hydranautics Details

2.7.2 Hydranautics Major Business

- 2.7.3 Hydranautics Membrane Filtration Separation Equipment Product and Services
- 2.7.4 Hydranautics Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.7.5 Hydranautics Recent Developments/Updates
- 2.8 Pentair
 - 2.8.1 Pentair Details
 - 2.8.2 Pentair Major Business
 - 2.8.3 Pentair Membrane Filtration Separation Equipment Product and Services
 - 2.8.4 Pentair Membrane Filtration Separation Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Pentair Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MEMBRANE FILTRATION SEPARATION EQUIPMENT BY MANUFACTURER

- 3.1 Global Membrane Filtration Separation Equipment Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Membrane Filtration Separation Equipment Revenue by Manufacturer (2021-2026)
- 3.3 Global Membrane Filtration Separation Equipment Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Membrane Filtration Separation Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Membrane Filtration Separation Equipment Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Membrane Filtration Separation Equipment Manufacturer Market Share in 2025
- 3.5 Membrane Filtration Separation Equipment Market: Overall Company Footprint Analysis
 - 3.5.1 Membrane Filtration Separation Equipment Market: Region Footprint
 - 3.5.2 Membrane Filtration Separation Equipment Market: Company Product Type Footprint
 - 3.5.3 Membrane Filtration Separation Equipment Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Membrane Filtration Separation Equipment Market Size by Region

4.1.1 Global Membrane Filtration Separation Equipment Sales Quantity by Region (2021-2032)

4.1.2 Global Membrane Filtration Separation Equipment Consumption Value by Region (2021-2032)

4.1.3 Global Membrane Filtration Separation Equipment Average Price by Region (2021-2032)

4.2 North America Membrane Filtration Separation Equipment Consumption Value (2021-2032)

4.3 Europe Membrane Filtration Separation Equipment Consumption Value (2021-2032)

4.4 Asia-Pacific Membrane Filtration Separation Equipment Consumption Value (2021-2032)

4.5 South America Membrane Filtration Separation Equipment Consumption Value (2021-2032)

4.6 Middle East & Africa Membrane Filtration Separation Equipment Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2032)

5.2 Global Membrane Filtration Separation Equipment Consumption Value by Type (2021-2032)

5.3 Global Membrane Filtration Separation Equipment Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)

6.2 Global Membrane Filtration Separation Equipment Consumption Value by Application (2021-2032)

6.3 Global Membrane Filtration Separation Equipment Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Membrane Filtration Separation Equipment Sales Quantity by Type

(2021-2032)

7.2 North America Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)

7.3 North America Membrane Filtration Separation Equipment Market Size by Country

7.3.1 North America Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2032)

7.3.2 North America Membrane Filtration Separation Equipment Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2032)

8.2 Europe Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)

8.3 Europe Membrane Filtration Separation Equipment Market Size by Country

8.3.1 Europe Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2032)

8.3.2 Europe Membrane Filtration Separation Equipment Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Membrane Filtration Separation Equipment Market Size by Region

9.3.1 Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Membrane Filtration Separation Equipment Consumption Value by

Region (2021-2032)

- 9.3.3 China Market Size and Forecast (2021-2032)
- 9.3.4 Japan Market Size and Forecast (2021-2032)
- 9.3.5 South Korea Market Size and Forecast (2021-2032)
- 9.3.6 India Market Size and Forecast (2021-2032)
- 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
- 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2032)
- 10.2 South America Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)
- 10.3 South America Membrane Filtration Separation Equipment Market Size by Country
 - 10.3.1 South America Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Membrane Filtration Separation Equipment Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Membrane Filtration Separation Equipment Market Size by Country
 - 11.3.1 Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa Membrane Filtration Separation Equipment Consumption Value by Country (2021-2032)
 - 11.3.3 Turkey Market Size and Forecast (2021-2032)
 - 11.3.4 Egypt Market Size and Forecast (2021-2032)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
 - 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 Membrane Filtration Separation Equipment Market Drivers
- 12.2 Membrane Filtration Separation Equipment Market Restraints
- 12.3 Membrane Filtration Separation Equipment Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Membrane Filtration Separation Equipment and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Membrane Filtration Separation Equipment
- 13.3 Membrane Filtration Separation Equipment Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Membrane Filtration Separation Equipment Typical Distributors
- 14.3 Membrane Filtration Separation Equipment Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Membrane Filtration Separation Equipment Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Membrane Filtration Separation Equipment Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 3. GEA Group Basic Information, Manufacturing Base and Competitors

Table 4. GEA Group Major Business

Table 5. GEA Group Membrane Filtration Separation Equipment Product and Services

Table 6. GEA Group Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. GEA Group Recent Developments/Updates

Table 8. Pall Corporation Basic Information, Manufacturing Base and Competitors

Table 9. Pall Corporation Major Business

Table 10. Pall Corporation Membrane Filtration Separation Equipment Product and Services

Table 11. Pall Corporation Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. Pall Corporation Recent Developments/Updates

Table 13. Koch Membrane Systems Basic Information, Manufacturing Base and Competitors

Table 14. Koch Membrane Systems Major Business

Table 15. Koch Membrane Systems Membrane Filtration Separation Equipment Product and Services

Table 16. Koch Membrane Systems Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. Koch Membrane Systems Recent Developments/Updates

Table 18. Alfa Laval Basic Information, Manufacturing Base and Competitors

Table 19. Alfa Laval Major Business

Table 20. Alfa Laval Membrane Filtration Separation Equipment Product and Services

Table 21. Alfa Laval Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. Alfa Laval Recent Developments/Updates

Table 23. Veolia Water Technologies Basic Information, Manufacturing Base and Competitors

Table 24. Veolia Water Technologies Major Business

Table 25. Veolia Water Technologies Membrane Filtration Separation Equipment Product and Services

Table 26. Veolia Water Technologies Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. Veolia Water Technologies Recent Developments/Updates

Table 28. Toray Industries Basic Information, Manufacturing Base and Competitors

Table 29. Toray Industries Major Business

Table 30. Toray Industries Membrane Filtration Separation Equipment Product and Services

Table 31. Toray Industries Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. Toray Industries Recent Developments/Updates

Table 33. Hydranautics Basic Information, Manufacturing Base and Competitors

Table 34. Hydranautics Major Business

Table 35. Hydranautics Membrane Filtration Separation Equipment Product and Services

Table 36. Hydranautics Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. Hydranautics Recent Developments/Updates

Table 38. Pentair Basic Information, Manufacturing Base and Competitors

Table 39. Pentair Major Business

Table 40. Pentair Membrane Filtration Separation Equipment Product and Services

Table 41. Pentair Membrane Filtration Separation Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. Pentair Recent Developments/Updates

Table 43. Global Membrane Filtration Separation Equipment Sales Quantity by Manufacturer (2021-2026) & (Units)

Table 44. Global Membrane Filtration Separation Equipment Revenue by Manufacturer (2021-2026) & (USD Million)

Table 45. Global Membrane Filtration Separation Equipment Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 46. Market Position of Manufacturers in Membrane Filtration Separation

Equipment, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 47. Head Office and Membrane Filtration Separation Equipment Production Site of Key Manufacturer

Table 48. Membrane Filtration Separation Equipment Market: Company Product Type Footprint

Table 49. Membrane Filtration Separation Equipment Market: Company Product Application Footprint

Table 50. Membrane Filtration Separation Equipment New Market Entrants and Barriers to Market Entry

Table 51. Membrane Filtration Separation Equipment Mergers, Acquisition, Agreements, and Collaborations

Table 52. Global Membrane Filtration Separation Equipment Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 53. Global Membrane Filtration Separation Equipment Sales Quantity by Region (2021-2026) & (Units)

Table 54. Global Membrane Filtration Separation Equipment Sales Quantity by Region (2027-2032) & (Units)

Table 55. Global Membrane Filtration Separation Equipment Consumption Value by Region (2021-2026) & (USD Million)

Table 56. Global Membrane Filtration Separation Equipment Consumption Value by Region (2027-2032) & (USD Million)

Table 57. Global Membrane Filtration Separation Equipment Average Price by Region (2021-2026) & (US\$/Unit)

Table 58. Global Membrane Filtration Separation Equipment Average Price by Region (2027-2032) & (US\$/Unit)

Table 59. Global Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 60. Global Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 61. Global Membrane Filtration Separation Equipment Consumption Value by Type (2021-2026) & (USD Million)

Table 62. Global Membrane Filtration Separation Equipment Consumption Value by Type (2027-2032) & (USD Million)

Table 63. Global Membrane Filtration Separation Equipment Average Price by Type (2021-2026) & (US\$/Unit)

Table 64. Global Membrane Filtration Separation Equipment Average Price by Type (2027-2032) & (US\$/Unit)

Table 65. Global Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 66. Global Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 67. Global Membrane Filtration Separation Equipment Consumption Value by Application (2021-2026) & (USD Million)

Table 68. Global Membrane Filtration Separation Equipment Consumption Value by Application (2027-2032) & (USD Million)

Table 69. Global Membrane Filtration Separation Equipment Average Price by Application (2021-2026) & (US\$/Unit)

Table 70. Global Membrane Filtration Separation Equipment Average Price by Application (2027-2032) & (US\$/Unit)

Table 71. North America Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 72. North America Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 73. North America Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 74. North America Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 75. North America Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2026) & (Units)

Table 76. North America Membrane Filtration Separation Equipment Sales Quantity by Country (2027-2032) & (Units)

Table 77. North America Membrane Filtration Separation Equipment Consumption Value by Country (2021-2026) & (USD Million)

Table 78. North America Membrane Filtration Separation Equipment Consumption Value by Country (2027-2032) & (USD Million)

Table 79. Europe Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 80. Europe Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 81. Europe Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 82. Europe Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 83. Europe Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2026) & (Units)

Table 84. Europe Membrane Filtration Separation Equipment Sales Quantity by Country (2027-2032) & (Units)

Table 85. Europe Membrane Filtration Separation Equipment Consumption Value by

Country (2021-2026) & (USD Million)

Table 86. Europe Membrane Filtration Separation Equipment Consumption Value by Country (2027-2032) & (USD Million)

Table 87. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 88. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 89. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 90. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 91. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Region (2021-2026) & (Units)

Table 92. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity by Region (2027-2032) & (Units)

Table 93. Asia-Pacific Membrane Filtration Separation Equipment Consumption Value by Region (2021-2026) & (USD Million)

Table 94. Asia-Pacific Membrane Filtration Separation Equipment Consumption Value by Region (2027-2032) & (USD Million)

Table 95. South America Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 96. South America Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 97. South America Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 98. South America Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 99. South America Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2026) & (Units)

Table 100. South America Membrane Filtration Separation Equipment Sales Quantity by Country (2027-2032) & (Units)

Table 101. South America Membrane Filtration Separation Equipment Consumption Value by Country (2021-2026) & (USD Million)

Table 102. South America Membrane Filtration Separation Equipment Consumption Value by Country (2027-2032) & (USD Million)

Table 103. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Type (2021-2026) & (Units)

Table 104. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Type (2027-2032) & (Units)

Table 105. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Application (2021-2026) & (Units)

Table 106. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Application (2027-2032) & (Units)

Table 107. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Country (2021-2026) & (Units)

Table 108. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity by Country (2027-2032) & (Units)

Table 109. Middle East & Africa Membrane Filtration Separation Equipment Consumption Value by Country (2021-2026) & (USD Million)

Table 110. Middle East & Africa Membrane Filtration Separation Equipment Consumption Value by Country (2027-2032) & (USD Million)

Table 111. Membrane Filtration Separation Equipment Raw Material

Table 112. Key Manufacturers of Membrane Filtration Separation Equipment Raw Materials

Table 113. Membrane Filtration Separation Equipment Typical Distributors

Table 114. Membrane Filtration Separation Equipment Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Membrane Filtration Separation Equipment Picture

Figure 2. Global Membrane Filtration Separation Equipment Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Membrane Filtration Separation Equipment Revenue Market Share by Type in 2025

Figure 4. Microfiltration Equipment Examples

Figure 5. Ultrafiltration Equipment Examples

Figure 6. Nanofiltration Equipment Examples

Figure 7. Reverse Osmosis Equipment Examples

Figure 8. Global Membrane Filtration Separation Equipment Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 9. Global Membrane Filtration Separation Equipment Revenue Market Share by Application in 2025

Figure 10. Food Industry Examples

Figure 11. Water Treatment Examples

Figure 12. Medical Industry Examples

Figure 13. Agriculture Examples

Figure 14. Others Examples

Figure 15. Global Membrane Filtration Separation Equipment Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 16. Global Membrane Filtration Separation Equipment Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 17. Global Membrane Filtration Separation Equipment Sales Quantity (2021-2032) & (Units)

Figure 18. Global Membrane Filtration Separation Equipment Price (2021-2032) & (US\$/Unit)

Figure 19. Global Membrane Filtration Separation Equipment Sales Quantity Market Share by Manufacturer in 2025

Figure 20. Global Membrane Filtration Separation Equipment Revenue Market Share by Manufacturer in 2025

Figure 21. Producer Shipments of Membrane Filtration Separation Equipment by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 22. Top 3 Membrane Filtration Separation Equipment Manufacturer (Revenue) Market Share in 2025

Figure 23. Top 6 Membrane Filtration Separation Equipment Manufacturer (Revenue)

Market Share in 2025

Figure 24. Global Membrane Filtration Separation Equipment Sales Quantity Market Share by Region (2021-2032)

Figure 25. Global Membrane Filtration Separation Equipment Consumption Value Market Share by Region (2021-2032)

Figure 26. North America Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 27. Europe Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 28. Asia-Pacific Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 29. South America Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 30. Middle East & Africa Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 31. Global Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 32. Global Membrane Filtration Separation Equipment Consumption Value Market Share by Type (2021-2032)

Figure 33. Global Membrane Filtration Separation Equipment Average Price by Type (2021-2032) & (US\$/Unit)

Figure 34. Global Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 35. Global Membrane Filtration Separation Equipment Revenue Market Share by Application (2021-2032)

Figure 36. Global Membrane Filtration Separation Equipment Average Price by Application (2021-2032) & (US\$/Unit)

Figure 37. North America Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 38. North America Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 39. North America Membrane Filtration Separation Equipment Sales Quantity Market Share by Country (2021-2032)

Figure 40. North America Membrane Filtration Separation Equipment Consumption Value Market Share by Country (2021-2032)

Figure 41. United States Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 42. Canada Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 43. Mexico Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 44. Europe Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 45. Europe Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 46. Europe Membrane Filtration Separation Equipment Sales Quantity Market Share by Country (2021-2032)

Figure 47. Europe Membrane Filtration Separation Equipment Consumption Value Market Share by Country (2021-2032)

Figure 48. Germany Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 49. France Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 50. United Kingdom Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 51. Russia Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 52. Italy Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 53. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 54. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 55. Asia-Pacific Membrane Filtration Separation Equipment Sales Quantity Market Share by Region (2021-2032)

Figure 56. Asia-Pacific Membrane Filtration Separation Equipment Consumption Value Market Share by Region (2021-2032)

Figure 57. China Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 58. Japan Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 59. South Korea Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 60. India Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 61. Southeast Asia Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 62. Australia Membrane Filtration Separation Equipment Consumption Value

(2021-2032) & (USD Million)

Figure 63. South America Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 64. South America Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 65. South America Membrane Filtration Separation Equipment Sales Quantity Market Share by Country (2021-2032)

Figure 66. South America Membrane Filtration Separation Equipment Consumption Value Market Share by Country (2021-2032)

Figure 67. Brazil Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 68. Argentina Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 69. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity Market Share by Type (2021-2032)

Figure 70. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity Market Share by Application (2021-2032)

Figure 71. Middle East & Africa Membrane Filtration Separation Equipment Sales Quantity Market Share by Country (2021-2032)

Figure 72. Middle East & Africa Membrane Filtration Separation Equipment Consumption Value Market Share by Country (2021-2032)

Figure 73. Turkey Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 74. Egypt Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 75. Saudi Arabia Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 76. South Africa Membrane Filtration Separation Equipment Consumption Value (2021-2032) & (USD Million)

Figure 77. Membrane Filtration Separation Equipment Market Drivers

Figure 78. Membrane Filtration Separation Equipment Market Restraints

Figure 79. Membrane Filtration Separation Equipment Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Membrane Filtration Separation Equipment in 2025

Figure 82. Manufacturing Process Analysis of Membrane Filtration Separation Equipment

Figure 83. Membrane Filtration Separation Equipment Industrial Chain

Figure 84. Sales Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

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