

# Global Hydrogen Membrane Cartridge Supply, Demand and Key Producers, 2024-2030

https://marketpublishers.com/r/GB29AD3245B5EN.html

Date: February 2024

Pages: 121

Price: US\$ 4,480.00 (Single User License)

ID: GB29AD3245B5EN

## **Abstracts**

The global Hydrogen Membrane Cartridge market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

This report studies the global Hydrogen Membrane Cartridge production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hydrogen Membrane Cartridge, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Hydrogen Membrane Cartridge that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hydrogen Membrane Cartridge total production and demand, 2019-2030, (K Units)

Global Hydrogen Membrane Cartridge total production value, 2019-2030, (USD Million)

Global Hydrogen Membrane Cartridge production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Hydrogen Membrane Cartridge consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Hydrogen Membrane Cartridge domestic production, consumption, key



#### domestic manufacturers and share

Global Hydrogen Membrane Cartridge production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Hydrogen Membrane Cartridge production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Hydrogen Membrane Cartridge production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Hydrogen Membrane Cartridge 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 Liquide, Evonik Industries, BORSIG, Grasys, Air Products, Linde Engineering, Honeywell, Toray and UBE Industries, 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 Hydrogen Membrane Cartridge market.

#### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Hydrogen Membrane Cartridge Market, By Region:

**United States** 

China

Europe







Grasys		
Air Products		
Linde Engineering		
Honeywell		
Toray		
UBE Industries		
Tianbang		
Key Questions Answered		
1. How big is the global Hydrogen Membrane Cartridge market?		
2. What is the demand of the global Hydrogen Membrane Cartridge market?		
3. What is the year over year growth of the global Hydrogen Membrane Cartridge market?		
4. What is the production and production value of the global Hydrogen Membrane Cartridge market?		
5. Who are the key producers in the global Hydrogen Membrane Cartridge market?		



## **Contents**

## 1 SUPPLY SUMMARY

- 1.1 Hydrogen Membrane Cartridge Introduction
- 1.2 World Hydrogen Membrane Cartridge Supply & Forecast
  - 1.2.1 World Hydrogen Membrane Cartridge Production Value (2019 & 2023 & 2030)
- 1.2.2 World Hydrogen Membrane Cartridge Production (2019-2030)
- 1.2.3 World Hydrogen Membrane Cartridge Pricing Trends (2019-2030)
- 1.3 World Hydrogen Membrane Cartridge Production by Region (Based on Production Site)
  - 1.3.1 World Hydrogen Membrane Cartridge Production Value by Region (2019-2030)
  - 1.3.2 World Hydrogen Membrane Cartridge Production by Region (2019-2030)
- 1.3.3 World Hydrogen Membrane Cartridge Average Price by Region (2019-2030)
- 1.3.4 North America Hydrogen Membrane Cartridge Production (2019-2030)
- 1.3.5 Europe Hydrogen Membrane Cartridge Production (2019-2030)
- 1.3.6 China Hydrogen Membrane Cartridge Production (2019-2030)
- 1.3.7 Japan Hydrogen Membrane Cartridge Production (2019-2030)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Hydrogen Membrane Cartridge Market Drivers
- 1.4.2 Factors Affecting Demand
- 1.4.3 Hydrogen Membrane Cartridge Major Market Trends

#### **2 DEMAND SUMMARY**

- 2.1 World Hydrogen Membrane Cartridge Demand (2019-2030)
- 2.2 World Hydrogen Membrane Cartridge Consumption by Region
  - 2.2.1 World Hydrogen Membrane Cartridge Consumption by Region (2019-2024)
- 2.2.2 World Hydrogen Membrane Cartridge Consumption Forecast by Region (2025-2030)
- 2.3 United States Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.4 China Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.5 Europe Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.6 Japan Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.7 South Korea Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.8 ASEAN Hydrogen Membrane Cartridge Consumption (2019-2030)
- 2.9 India Hydrogen Membrane Cartridge Consumption (2019-2030)

## 3 WORLD HYDROGEN MEMBRANE CARTRIDGE MANUFACTURERS



#### **COMPETITIVE ANALYSIS**

- 3.1 World Hydrogen Membrane Cartridge Production Value by Manufacturer (2019-2024)
- 3.2 World Hydrogen Membrane Cartridge Production by Manufacturer (2019-2024)
- 3.3 World Hydrogen Membrane Cartridge Average Price by Manufacturer (2019-2024)
- 3.4 Hydrogen Membrane Cartridge Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Hydrogen Membrane Cartridge Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Hydrogen Membrane Cartridge in 2023
  - 3.5.3 Global Concentration Ratios (CR8) for Hydrogen Membrane Cartridge in 2023
- 3.6 Hydrogen Membrane Cartridge Market: Overall Company Footprint Analysis
  - 3.6.1 Hydrogen Membrane Cartridge Market: Region Footprint
  - 3.6.2 Hydrogen Membrane Cartridge Market: Company Product Type Footprint
  - 3.6.3 Hydrogen Membrane Cartridge Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

#### 4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Hydrogen Membrane Cartridge Production Value Comparison
- 4.1.1 United States VS China: Hydrogen Membrane Cartridge Production Value Comparison (2019 & 2023 & 2030)
- 4.1.2 United States VS China: Hydrogen Membrane Cartridge Production Value Market Share Comparison (2019 & 2023 & 2030)
- 4.2 United States VS China: Hydrogen Membrane Cartridge Production Comparison
- 4.2.1 United States VS China: Hydrogen Membrane Cartridge Production Comparison (2019 & 2023 & 2030)
- 4.2.2 United States VS China: Hydrogen Membrane Cartridge Production Market Share Comparison (2019 & 2023 & 2030)
- 4.3 United States VS China: Hydrogen Membrane Cartridge Consumption Comparison
- 4.3.1 United States VS China: Hydrogen Membrane Cartridge Consumption Comparison (2019 & 2023 & 2030)
  - 4.3.2 United States VS China: Hydrogen Membrane Cartridge Consumption Market



Share Comparison (2019 & 2023 & 2030)

- 4.4 United States Based Hydrogen Membrane Cartridge Manufacturers and Market Share, 2019-2024
- 4.4.1 United States Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (States, Country)
- 4.4.2 United States Based Manufacturers Hydrogen Membrane Cartridge Production Value (2019-2024)
- 4.4.3 United States Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024)
- 4.5 China Based Hydrogen Membrane Cartridge Manufacturers and Market Share
- 4.5.1 China Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (Province, Country)
- 4.5.2 China Based Manufacturers Hydrogen Membrane Cartridge Production Value (2019-2024)
- 4.5.3 China Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024)
- 4.6 Rest of World Based Hydrogen Membrane Cartridge Manufacturers and Market Share, 2019-2024
- 4.6.1 Rest of World Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (State, Country)
- 4.6.2 Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production Value (2019-2024)
- 4.6.3 Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024)

#### **5 MARKET ANALYSIS BY TYPE**

- 5.1 World Hydrogen Membrane Cartridge Market Size Overview by Type: 2019 VS 2023 VS 2030
- 5.2 Segment Introduction by Type
  - 5.2.1 Hollow Fiber
  - 5.2.2 Spiral Wound
  - 5.2.3 Others
- 5.3 Market Segment by Type
  - 5.3.1 World Hydrogen Membrane Cartridge Production by Type (2019-2030)
  - 5.3.2 World Hydrogen Membrane Cartridge Production Value by Type (2019-2030)
  - 5.3.3 World Hydrogen Membrane Cartridge Average Price by Type (2019-2030)

#### **6 MARKET ANALYSIS BY APPLICATION**



- 6.1 World Hydrogen Membrane Cartridge Market Size Overview by Application: 2019
- VS 2023 VS 2030
- 6.2 Segment Introduction by Application
  - 6.2.1 Oil and Gas
  - 6.2.2 Semiconductor
  - 6.2.3 Medical
  - 6.2.4 Others
- 6.3 Market Segment by Application
- 6.3.1 World Hydrogen Membrane Cartridge Production by Application (2019-2030)
- 6.3.2 World Hydrogen Membrane Cartridge Production Value by Application (2019-2030)
  - 6.3.3 World Hydrogen Membrane Cartridge Average Price by Application (2019-2030)

#### **7 COMPANY PROFILES**

- 7.1 Air Liquide
  - 7.1.1 Air Liquide Details
  - 7.1.2 Air Liquide Major Business
  - 7.1.3 Air Liquide Hydrogen Membrane Cartridge Product and Services
- 7.1.4 Air Liquide Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.1.5 Air Liquide Recent Developments/Updates
  - 7.1.6 Air Liquide Competitive Strengths & Weaknesses
- 7.2 Evonik Industries
  - 7.2.1 Evonik Industries Details
  - 7.2.2 Evonik Industries Major Business
  - 7.2.3 Evonik Industries Hydrogen Membrane Cartridge Product and Services
- 7.2.4 Evonik Industries Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.2.5 Evonik Industries Recent Developments/Updates
  - 7.2.6 Evonik Industries Competitive Strengths & Weaknesses
- 7.3 BORSIG
  - 7.3.1 BORSIG Details
  - 7.3.2 BORSIG Major Business
  - 7.3.3 BORSIG Hydrogen Membrane Cartridge Product and Services
- 7.3.4 BORSIG Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.3.5 BORSIG Recent Developments/Updates



## 7.3.6 BORSIG Competitive Strengths & Weaknesses

- 7.4 Grasys
  - 7.4.1 Grasys Details
  - 7.4.2 Grasys Major Business
  - 7.4.3 Grasys Hydrogen Membrane Cartridge Product and Services
- 7.4.4 Grasys Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.4.5 Grasys Recent Developments/Updates
  - 7.4.6 Grasys Competitive Strengths & Weaknesses
- 7.5 Air Products
  - 7.5.1 Air Products Details
  - 7.5.2 Air Products Major Business
  - 7.5.3 Air Products Hydrogen Membrane Cartridge Product and Services
- 7.5.4 Air Products Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.5.5 Air Products Recent Developments/Updates
- 7.5.6 Air Products Competitive Strengths & Weaknesses
- 7.6 Linde Engineering
  - 7.6.1 Linde Engineering Details
  - 7.6.2 Linde Engineering Major Business
  - 7.6.3 Linde Engineering Hydrogen Membrane Cartridge Product and Services
  - 7.6.4 Linde Engineering Hydrogen Membrane Cartridge Production, Price, Value,

Gross Margin and Market Share (2019-2024)

- 7.6.5 Linde Engineering Recent Developments/Updates
- 7.6.6 Linde Engineering Competitive Strengths & Weaknesses
- 7.7 Honeywell
  - 7.7.1 Honeywell Details
  - 7.7.2 Honeywell Major Business
  - 7.7.3 Honeywell Hydrogen Membrane Cartridge Product and Services
- 7.7.4 Honeywell Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.7.5 Honeywell Recent Developments/Updates
  - 7.7.6 Honeywell Competitive Strengths & Weaknesses
- 7.8 Toray
  - 7.8.1 Toray Details
  - 7.8.2 Toray Major Business
  - 7.8.3 Toray Hydrogen Membrane Cartridge Product and Services
- 7.8.4 Toray Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)



- 7.8.5 Toray Recent Developments/Updates
- 7.8.6 Toray Competitive Strengths & Weaknesses
- 7.9 UBE Industries
  - 7.9.1 UBE Industries Details
  - 7.9.2 UBE Industries Major Business
  - 7.9.3 UBE Industries Hydrogen Membrane Cartridge Product and Services
- 7.9.4 UBE Industries Hydrogen Membrane Cartridge Production, Price, Value, Gross Margin and Market Share (2019-2024)
  - 7.9.5 UBE Industries Recent Developments/Updates
  - 7.9.6 UBE Industries Competitive Strengths & Weaknesses
- 7.10 Tianbang
  - 7.10.1 Tianbang Details
  - 7.10.2 Tianbang Major Business
  - 7.10.3 Tianbang Hydrogen Membrane Cartridge Product and Services
- 7.10.4 Tianbang Hydrogen Membrane Cartridge Production, Price, Value, Gross
- Margin and Market Share (2019-2024)
  - 7.10.5 Tianbang Recent Developments/Updates
  - 7.10.6 Tianbang Competitive Strengths & Weaknesses

#### **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Hydrogen Membrane Cartridge Industry Chain
- 8.2 Hydrogen Membrane Cartridge Upstream Analysis
  - 8.2.1 Hydrogen Membrane Cartridge Core Raw Materials
  - 8.2.2 Main Manufacturers of Hydrogen Membrane Cartridge Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Hydrogen Membrane Cartridge Production Mode
- 8.6 Hydrogen Membrane Cartridge Procurement Model
- 8.7 Hydrogen Membrane Cartridge Industry Sales Model and Sales Channels
  - 8.7.1 Hydrogen Membrane Cartridge Sales Model
  - 8.7.2 Hydrogen Membrane Cartridge Typical Customers

#### 9 RESEARCH FINDINGS AND CONCLUSION

#### 10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source



10.3 Disclaimer



## **List Of Tables**

#### LIST OF TABLES

- Table 1. World Hydrogen Membrane Cartridge Production Value by Region (2019, 2023 and 2030) & (USD Million)
- Table 2. World Hydrogen Membrane Cartridge Production Value by Region (2019-2024) & (USD Million)
- Table 3. World Hydrogen Membrane Cartridge Production Value by Region (2025-2030) & (USD Million)
- Table 4. World Hydrogen Membrane Cartridge Production Value Market Share by Region (2019-2024)
- Table 5. World Hydrogen Membrane Cartridge Production Value Market Share by Region (2025-2030)
- Table 6. World Hydrogen Membrane Cartridge Production by Region (2019-2024) & (K Units)
- Table 7. World Hydrogen Membrane Cartridge Production by Region (2025-2030) & (K Units)
- Table 8. World Hydrogen Membrane Cartridge Production Market Share by Region (2019-2024)
- Table 9. World Hydrogen Membrane Cartridge Production Market Share by Region (2025-2030)
- Table 10. World Hydrogen Membrane Cartridge Average Price by Region (2019-2024) & (US\$/Unit)
- Table 11. World Hydrogen Membrane Cartridge Average Price by Region (2025-2030) & (US\$/Unit)
- Table 12. Hydrogen Membrane Cartridge Major Market Trends
- Table 13. World Hydrogen Membrane Cartridge Consumption Growth Rate Forecast by Region (2019 & 2023 & 2030) & (K Units)
- Table 14. World Hydrogen Membrane Cartridge Consumption by Region (2019-2024) & (K Units)
- Table 15. World Hydrogen Membrane Cartridge Consumption Forecast by Region (2025-2030) & (K Units)
- Table 16. World Hydrogen Membrane Cartridge Production Value by Manufacturer (2019-2024) & (USD Million)
- Table 17. Production Value Market Share of Key Hydrogen Membrane Cartridge Producers in 2023
- Table 18. World Hydrogen Membrane Cartridge Production by Manufacturer (2019-2024) & (K Units)



- Table 19. Production Market Share of Key Hydrogen Membrane Cartridge Producers in 2023
- Table 20. World Hydrogen Membrane Cartridge Average Price by Manufacturer (2019-2024) & (US\$/Unit)
- Table 21. Global Hydrogen Membrane Cartridge Company Evaluation Quadrant
- Table 22. World Hydrogen Membrane Cartridge Industry Rank of Major Manufacturers, Based on Production Value in 2023
- Table 23. Head Office and Hydrogen Membrane Cartridge Production Site of Key Manufacturer
- Table 24. Hydrogen Membrane Cartridge Market: Company Product Type Footprint
- Table 25. Hydrogen Membrane Cartridge Market: Company Product Application Footprint
- Table 26. Hydrogen Membrane Cartridge Competitive Factors
- Table 27. Hydrogen Membrane Cartridge New Entrant and Capacity Expansion Plans
- Table 28. Hydrogen Membrane Cartridge Mergers & Acquisitions Activity
- Table 29. United States VS China Hydrogen Membrane Cartridge Production Value Comparison, (2019 & 2023 & 2030) & (USD Million)
- Table 30. United States VS China Hydrogen Membrane Cartridge Production Comparison, (2019 & 2023 & 2030) & (K Units)
- Table 31. United States VS China Hydrogen Membrane Cartridge Consumption Comparison, (2019 & 2023 & 2030) & (K Units)
- Table 32. United States Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Hydrogen Membrane Cartridge Production Value, (2019-2024) & (USD Million)
- Table 34. United States Based Manufacturers Hydrogen Membrane Cartridge Production Value Market Share (2019-2024)
- Table 35. United States Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024) & (K Units)
- Table 36. United States Based Manufacturers Hydrogen Membrane Cartridge Production Market Share (2019-2024)
- Table 37. China Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Hydrogen Membrane Cartridge Production Value, (2019-2024) & (USD Million)
- Table 39. China Based Manufacturers Hydrogen Membrane Cartridge Production Value Market Share (2019-2024)
- Table 40. China Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024) & (K Units)



Table 41. China Based Manufacturers Hydrogen Membrane Cartridge Production Market Share (2019-2024)

Table 42. Rest of World Based Hydrogen Membrane Cartridge Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production Value, (2019-2024) & (USD Million)

Table 44. Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production Value Market Share (2019-2024)

Table 45. Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production (2019-2024) & (K Units)

Table 46. Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production Market Share (2019-2024)

Table 47. World Hydrogen Membrane Cartridge Production Value by Type, (USD Million), 2019 & 2023 & 2030

Table 48. World Hydrogen Membrane Cartridge Production by Type (2019-2024) & (K Units)

Table 49. World Hydrogen Membrane Cartridge Production by Type (2025-2030) & (K Units)

Table 50. World Hydrogen Membrane Cartridge Production Value by Type (2019-2024) & (USD Million)

Table 51. World Hydrogen Membrane Cartridge Production Value by Type (2025-2030) & (USD Million)

Table 52. World Hydrogen Membrane Cartridge Average Price by Type (2019-2024) & (US\$/Unit)

Table 53. World Hydrogen Membrane Cartridge Average Price by Type (2025-2030) & (US\$/Unit)

Table 54. World Hydrogen Membrane Cartridge Production Value by Application, (USD Million), 2019 & 2023 & 2030

Table 55. World Hydrogen Membrane Cartridge Production by Application (2019-2024) & (K Units)

Table 56. World Hydrogen Membrane Cartridge Production by Application (2025-2030) & (K Units)

Table 57. World Hydrogen Membrane Cartridge Production Value by Application (2019-2024) & (USD Million)

Table 58. World Hydrogen Membrane Cartridge Production Value by Application (2025-2030) & (USD Million)

Table 59. World Hydrogen Membrane Cartridge Average Price by Application (2019-2024) & (US\$/Unit)

Table 60. World Hydrogen Membrane Cartridge Average Price by Application



- (2025-2030) & (US\$/Unit)
- Table 61. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 62. Air Liquide Major Business
- Table 63. Air Liquide Hydrogen Membrane Cartridge Product and Services
- Table 64. Air Liquide Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 65. Air Liquide Recent Developments/Updates
- Table 66. Air Liquide Competitive Strengths & Weaknesses
- Table 67. Evonik Industries Basic Information, Manufacturing Base and Competitors
- Table 68. Evonik Industries Major Business
- Table 69. Evonik Industries Hydrogen Membrane Cartridge Product and Services
- Table 70. Evonik Industries Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 71. Evonik Industries Recent Developments/Updates
- Table 72. Evonik Industries Competitive Strengths & Weaknesses
- Table 73. BORSIG Basic Information, Manufacturing Base and Competitors
- Table 74. BORSIG Major Business
- Table 75. BORSIG Hydrogen Membrane Cartridge Product and Services
- Table 76. BORSIG Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 77. BORSIG Recent Developments/Updates
- Table 78. BORSIG Competitive Strengths & Weaknesses
- Table 79. Grasys Basic Information, Manufacturing Base and Competitors
- Table 80. Grasys Major Business
- Table 81. Grasys Hydrogen Membrane Cartridge Product and Services
- Table 82. Grasys Hydrogen Membrane Cartridge Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 83. Grasys Recent Developments/Updates
- Table 84. Grasys Competitive Strengths & Weaknesses
- Table 85. Air Products Basic Information, Manufacturing Base and Competitors
- Table 86. Air Products Major Business
- Table 87. Air Products Hydrogen Membrane Cartridge Product and Services
- Table 88. Air Products Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 89. Air Products Recent Developments/Updates



- Table 90. Air Products Competitive Strengths & Weaknesses
- Table 91. Linde Engineering Basic Information, Manufacturing Base and Competitors
- Table 92. Linde Engineering Major Business
- Table 93. Linde Engineering Hydrogen Membrane Cartridge Product and Services
- Table 94. Linde Engineering Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 95. Linde Engineering Recent Developments/Updates
- Table 96. Linde Engineering Competitive Strengths & Weaknesses
- Table 97. Honeywell Basic Information, Manufacturing Base and Competitors
- Table 98. Honeywell Major Business
- Table 99. Honeywell Hydrogen Membrane Cartridge Product and Services
- Table 100. Honeywell Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 101. Honeywell Recent Developments/Updates
- Table 102. Honeywell Competitive Strengths & Weaknesses
- Table 103. Toray Basic Information, Manufacturing Base and Competitors
- Table 104. Toray Major Business
- Table 105. Toray Hydrogen Membrane Cartridge Product and Services
- Table 106. Toray Hydrogen Membrane Cartridge Production (K Units), Price (US\$/Unit),
- Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 107. Toray Recent Developments/Updates
- Table 108. Toray Competitive Strengths & Weaknesses
- Table 109. UBE Industries Basic Information, Manufacturing Base and Competitors
- Table 110. UBE Industries Major Business
- Table 111. UBE Industries Hydrogen Membrane Cartridge Product and Services
- Table 112. UBE Industries Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 113. UBE Industries Recent Developments/Updates
- Table 114. Tianbang Basic Information, Manufacturing Base and Competitors
- Table 115. Tianbang Major Business
- Table 116. Tianbang Hydrogen Membrane Cartridge Product and Services
- Table 117. Tianbang Hydrogen Membrane Cartridge Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 118. Global Key Players of Hydrogen Membrane Cartridge Upstream (Raw Materials)



Table 119. Hydrogen Membrane Cartridge Typical Customers

Table 120. Hydrogen Membrane Cartridge Typical Distributors

#### LIST OF FIGURE

Figure 1. Hydrogen Membrane Cartridge Picture

Figure 2. World Hydrogen Membrane Cartridge Production Value: 2019 & 2023 & 2030, (USD Million)

Figure 3. World Hydrogen Membrane Cartridge Production Value and Forecast (2019-2030) & (USD Million)

Figure 4. World Hydrogen Membrane Cartridge Production (2019-2030) & (K Units)

Figure 5. World Hydrogen Membrane Cartridge Average Price (2019-2030) & (US\$/Unit)

Figure 6. World Hydrogen Membrane Cartridge Production Value Market Share by Region (2019-2030)

Figure 7. World Hydrogen Membrane Cartridge Production Market Share by Region (2019-2030)

Figure 8. North America Hydrogen Membrane Cartridge Production (2019-2030) & (K Units)

Figure 9. Europe Hydrogen Membrane Cartridge Production (2019-2030) & (K Units)

Figure 10. China Hydrogen Membrane Cartridge Production (2019-2030) & (K Units)

Figure 11. Japan Hydrogen Membrane Cartridge Production (2019-2030) & (K Units)

Figure 12. Hydrogen Membrane Cartridge Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 15. World Hydrogen Membrane Cartridge Consumption Market Share by Region (2019-2030)

Figure 16. United States Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 17. China Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 18. Europe Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 19. Japan Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 20. South Korea Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 21. ASEAN Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 22. India Hydrogen Membrane Cartridge Consumption (2019-2030) & (K Units)

Figure 23. Producer Shipments of Hydrogen Membrane Cartridge by Manufacturer



Revenue (\$MM) and Market Share (%): 2023

Figure 24. Global Four-firm Concentration Ratios (CR4) for Hydrogen Membrane Cartridge Markets in 2023

Figure 25. Global Four-firm Concentration Ratios (CR8) for Hydrogen Membrane Cartridge Markets in 2023

Figure 26. United States VS China: Hydrogen Membrane Cartridge Production Value Market Share Comparison (2019 & 2023 & 2030)

Figure 27. United States VS China: Hydrogen Membrane Cartridge Production Market Share Comparison (2019 & 2023 & 2030)

Figure 28. United States VS China: Hydrogen Membrane Cartridge Consumption Market Share Comparison (2019 & 2023 & 2030)

Figure 29. United States Based Manufacturers Hydrogen Membrane Cartridge Production Market Share 2023

Figure 30. China Based Manufacturers Hydrogen Membrane Cartridge Production Market Share 2023

Figure 31. Rest of World Based Manufacturers Hydrogen Membrane Cartridge Production Market Share 2023

Figure 32. World Hydrogen Membrane Cartridge Production Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 33. World Hydrogen Membrane Cartridge Production Value Market Share by Type in 2023

Figure 34. Hollow Fiber

Figure 35. Spiral Wound

Figure 36. Others

Figure 37. World Hydrogen Membrane Cartridge Production Market Share by Type (2019-2030)

Figure 38. World Hydrogen Membrane Cartridge Production Value Market Share by Type (2019-2030)

Figure 39. World Hydrogen Membrane Cartridge Average Price by Type (2019-2030) & (US\$/Unit)

Figure 40. World Hydrogen Membrane Cartridge Production Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 41. World Hydrogen Membrane Cartridge Production Value Market Share by Application in 2023

Figure 42. Oil and Gas

Figure 43. Semiconductor

Figure 44. Medical

Figure 45. Others

Figure 46. World Hydrogen Membrane Cartridge Production Market Share by



Application (2019-2030)

Figure 47. World Hydrogen Membrane Cartridge Production Value Market Share by Application (2019-2030)

Figure 48. World Hydrogen Membrane Cartridge Average Price by Application (2019-2030) & (US\$/Unit)

Figure 49. Hydrogen Membrane Cartridge Industry Chain

Figure 50. Hydrogen Membrane Cartridge Procurement Model

Figure 51. Hydrogen Membrane Cartridge Sales Model

Figure 52. Hydrogen Membrane Cartridge Sales Channels, Direct Sales, and

Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source



## I would like to order

Product name: Global Hydrogen Membrane Cartridge Supply, Demand and Key Producers, 2024-2030

Product link: <a href="https://marketpublishers.com/r/GB29AD3245B5EN.html">https://marketpublishers.com/r/GB29AD3245B5EN.html</a>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/GB29AD3245B5EN.html">https://marketpublishers.com/r/GB29AD3245B5EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970