

Global Hydrogen Expander Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G0A956731E89EN.html>

Date: February 2026

Pages: 119

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

ID: G0A956731E89EN

Abstracts

The global Hydrogen Expander market size is expected to reach \$ 1494 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032). A hydrogen expander is a mechanical device used in the hydrogen processing process. It allows high-pressure hydrogen to expand and drive the expander to work, thereby reducing the temperature of hydrogen and achieving hydrogen liquefaction, separation or energy recovery. This equipment is widely used in natural gas processing, chemical production, energy storage and industrial gas processing, aiming to improve process efficiency, save energy and reduce environmental impact.

The hydrogen expander industry chain encompasses upstream key raw material and component suppliers (such as high-strength alloys, bearings, seals, and precision machined parts), midstream hydrogen expander manufacturers (responsible for design, processing, assembly, and performance optimization), and downstream application areas, including hydrogen fuel cell power generation systems, hydrogen compression and storage systems, hydrogen production and liquefaction cooling devices, and hydrogen-powered aerospace propulsion. The industry chain also involves supporting control systems, sensors, and maintenance services, providing critical technical support and complete equipment solutions for the hydrogen energy industry.

In 2025, the average price of a hydrogen expander is projected to be US\$700 k per unit, with sales of 1,358 units and a gross profit margin of approximately 33%.

Hydrogen expanders play a vital role in the industrial and energy fields. Through efficient hydrogen processing and energy recovery technology, they not only improve the efficiency of the production process, but also significantly reduce energy consumption and operating costs. As the global demand for clean energy and sustainable development continues to increase, hydrogen expanders will become one of the key technologies to promote the development of the hydrogen economy and provide strong technical support for achieving a low-carbon future.

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

This report is a detailed and comprehensive analysis of the world market for Hydrogen Expander 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 Hydrogen Expander that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hydrogen Expander total production and demand, 2021-2032, (Units)

Global Hydrogen Expander total production value, 2021-2032, (USD Million)

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

Global Hydrogen Expander consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Hydrogen Expander domestic production, consumption, key domestic manufacturers and share

Global Hydrogen Expander production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Hydrogen Expander production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Hydrogen Expander production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Hydrogen Expander 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, Linde AG, Chart Industries, Cryostar, Atlas Copco, Elliott Group, Everllence, Mitsubishi Heavy Industries, Siemens Energy, Honeywell, 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 Expander market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K 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 Hydrogen Expander Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hydrogen Expander Market, Segmentation by Type:

Radial Expander

Axial Flow Expander

Others

Global Hydrogen Expander Market, Segmentation by Bearing Support Type:

Mechanical Bearing Expander

Magnetic Levitation Bearing Expander

Global Hydrogen Expander Market, Segmentation by Cooling Method:

Air-Cooled Expander

Liquid-Cooled Expander

Global Hydrogen Expander Market, Segmentation by Application:

Chemical Industry

Energy Industry

Others

Companies Profiled:

Air Products

Linde AG

Chart Industries

Cryostar

Atlas Copco

Elliott Group

Everllence

Mitsubishi Heavy Industries

Siemens Energy

Honeywell

GE

Howden Group

Key Questions Answered:

1. How big is the global Hydrogen Expander market?
2. What is the demand of the global Hydrogen Expander market?

3. What is the year over year growth of the global Hydrogen Expander market?
4. What is the production and production value of the global Hydrogen Expander market?
5. Who are the key producers in the global Hydrogen Expander market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Hydrogen Expander Introduction
- 1.2 World Hydrogen Expander Supply & Forecast
 - 1.2.1 World Hydrogen Expander Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Hydrogen Expander Production (2021-2032)
 - 1.2.3 World Hydrogen Expander Pricing Trends (2021-2032)
- 1.3 World Hydrogen Expander Production by Region (Based on Production Site)
 - 1.3.1 World Hydrogen Expander Production Value by Region (2021-2032)
 - 1.3.2 World Hydrogen Expander Production by Region (2021-2032)
 - 1.3.3 World Hydrogen Expander Average Price by Region (2021-2032)
 - 1.3.4 North America Hydrogen Expander Production (2021-2032)
 - 1.3.5 Europe Hydrogen Expander Production (2021-2032)
 - 1.3.6 China Hydrogen Expander Production (2021-2032)
 - 1.3.7 Japan Hydrogen Expander Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Hydrogen Expander Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Hydrogen Expander Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Hydrogen Expander Demand (2021-2032)
- 2.2 World Hydrogen Expander Consumption by Region
 - 2.2.1 World Hydrogen Expander Consumption by Region (2021-2026)
 - 2.2.2 World Hydrogen Expander Consumption Forecast by Region (2027-2032)
- 2.3 United States Hydrogen Expander Consumption (2021-2032)
- 2.4 China Hydrogen Expander Consumption (2021-2032)
- 2.5 Europe Hydrogen Expander Consumption (2021-2032)
- 2.6 Japan Hydrogen Expander Consumption (2021-2032)
- 2.7 South Korea Hydrogen Expander Consumption (2021-2032)
- 2.8 ASEAN Hydrogen Expander Consumption (2021-2032)
- 2.9 India Hydrogen Expander Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Hydrogen Expander Production Value by Manufacturer (2021-2026)

- 3.2 World Hydrogen Expander Production by Manufacturer (2021-2026)
- 3.3 World Hydrogen Expander Average Price by Manufacturer (2021-2026)
- 3.4 Hydrogen Expander Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Hydrogen Expander Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Hydrogen Expander in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Hydrogen Expander in 2025
- 3.6 Hydrogen Expander Market: Overall Company Footprint Analysis
 - 3.6.1 Hydrogen Expander Market: Region Footprint
 - 3.6.2 Hydrogen Expander Market: Company Product Type Footprint
 - 3.6.3 Hydrogen Expander 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 Expander Production Value Comparison
 - 4.1.1 United States VS China: Hydrogen Expander Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Hydrogen Expander Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Hydrogen Expander Production Comparison
 - 4.2.1 United States VS China: Hydrogen Expander Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Hydrogen Expander Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Hydrogen Expander Consumption Comparison
 - 4.3.1 United States VS China: Hydrogen Expander Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Hydrogen Expander Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Hydrogen Expander Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Hydrogen Expander Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Hydrogen Expander Production Value (2021-2026)

4.4.3 United States Based Manufacturers Hydrogen Expander Production (2021-2026)

4.5 China Based Hydrogen Expander Manufacturers and Market Share

4.5.1 China Based Hydrogen Expander Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Hydrogen Expander Production Value (2021-2026)

4.5.3 China Based Manufacturers Hydrogen Expander Production (2021-2026)

4.6 Rest of World Based Hydrogen Expander Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Hydrogen Expander Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Hydrogen Expander Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Hydrogen Expander Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Hydrogen Expander Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Radial Expander

5.2.2 Axial Flow Expander

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Hydrogen Expander Production by Type (2021-2032)

5.3.2 World Hydrogen Expander Production Value by Type (2021-2032)

5.3.3 World Hydrogen Expander Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY BEARING SUPPORT TYPE

6.1 World Hydrogen Expander Market Size Overview by Bearing Support Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Bearing Support Type

6.2.1 Mechanical Bearing Expander

6.2.2 Magnetic Levitation Bearing Expander

6.3 Market Segment by Bearing Support Type

6.3.1 World Hydrogen Expander Production by Bearing Support Type (2021-2032)

6.3.2 World Hydrogen Expander Production Value by Bearing Support Type (2021-2032)

6.3.3 World Hydrogen Expander Average Price by Bearing Support Type (2021-2032)

7 MARKET ANALYSIS BY COOLING METHOD

7.1 World Hydrogen Expander Market Size Overview by Cooling Method: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Cooling Method

7.2.1 Air-Cooled Expander

7.2.2 Liquid-Cooled Expander

7.3 Market Segment by Cooling Method

7.3.1 World Hydrogen Expander Production by Cooling Method (2021-2032)

7.3.2 World Hydrogen Expander Production Value by Cooling Method (2021-2032)

7.3.3 World Hydrogen Expander Average Price by Cooling Method (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Hydrogen Expander Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Chemical Industry

8.2.2 Energy Industry

8.2.3 Others

8.3 Market Segment by Application

8.3.1 World Hydrogen Expander Production by Application (2021-2032)

8.3.2 World Hydrogen Expander Production Value by Application (2021-2032)

8.3.3 World Hydrogen Expander Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Air Products

9.1.1 Air Products Details

9.1.2 Air Products Major Business

9.1.3 Air Products Hydrogen Expander Product and Services

9.1.4 Air Products Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Air Products Recent Developments/Updates

9.1.6 Air Products Competitive Strengths & Weaknesses

9.2 Linde AG

9.2.1 Linde AG Details

- 9.2.2 Linde AG Major Business
- 9.2.3 Linde AG Hydrogen Expander Product and Services
- 9.2.4 Linde AG Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Linde AG Recent Developments/Updates
- 9.2.6 Linde AG Competitive Strengths & Weaknesses
- 9.3 Chart Industries
 - 9.3.1 Chart Industries Details
 - 9.3.2 Chart Industries Major Business
 - 9.3.3 Chart Industries Hydrogen Expander Product and Services
 - 9.3.4 Chart Industries Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Chart Industries Recent Developments/Updates
 - 9.3.6 Chart Industries Competitive Strengths & Weaknesses
- 9.4 Cryostar
 - 9.4.1 Cryostar Details
 - 9.4.2 Cryostar Major Business
 - 9.4.3 Cryostar Hydrogen Expander Product and Services
 - 9.4.4 Cryostar Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Cryostar Recent Developments/Updates
 - 9.4.6 Cryostar Competitive Strengths & Weaknesses
- 9.5 Atlas Copco
 - 9.5.1 Atlas Copco Details
 - 9.5.2 Atlas Copco Major Business
 - 9.5.3 Atlas Copco Hydrogen Expander Product and Services
 - 9.5.4 Atlas Copco Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Atlas Copco Recent Developments/Updates
 - 9.5.6 Atlas Copco Competitive Strengths & Weaknesses
- 9.6 Elliott Group
 - 9.6.1 Elliott Group Details
 - 9.6.2 Elliott Group Major Business
 - 9.6.3 Elliott Group Hydrogen Expander Product and Services
 - 9.6.4 Elliott Group Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Elliott Group Recent Developments/Updates
 - 9.6.6 Elliott Group Competitive Strengths & Weaknesses
- 9.7 Everllence

- 9.7.1 Everllence Details
- 9.7.2 Everllence Major Business
- 9.7.3 Everllence Hydrogen Expander Product and Services
- 9.7.4 Everllence Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.7.5 Everllence Recent Developments/Updates
- 9.7.6 Everllence Competitive Strengths & Weaknesses
- 9.8 Mitsubishi Heavy Industries
 - 9.8.1 Mitsubishi Heavy Industries Details
 - 9.8.2 Mitsubishi Heavy Industries Major Business
 - 9.8.3 Mitsubishi Heavy Industries Hydrogen Expander Product and Services
 - 9.8.4 Mitsubishi Heavy Industries Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Mitsubishi Heavy Industries Recent Developments/Updates
 - 9.8.6 Mitsubishi Heavy Industries Competitive Strengths & Weaknesses
- 9.9 Siemens Energy
 - 9.9.1 Siemens Energy Details
 - 9.9.2 Siemens Energy Major Business
 - 9.9.3 Siemens Energy Hydrogen Expander Product and Services
 - 9.9.4 Siemens Energy Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Siemens Energy Recent Developments/Updates
 - 9.9.6 Siemens Energy Competitive Strengths & Weaknesses
- 9.10 Honeywell
 - 9.10.1 Honeywell Details
 - 9.10.2 Honeywell Major Business
 - 9.10.3 Honeywell Hydrogen Expander Product and Services
 - 9.10.4 Honeywell Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Honeywell Recent Developments/Updates
 - 9.10.6 Honeywell Competitive Strengths & Weaknesses
- 9.11 GE
 - 9.11.1 GE Details
 - 9.11.2 GE Major Business
 - 9.11.3 GE Hydrogen Expander Product and Services
 - 9.11.4 GE Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 GE Recent Developments/Updates
 - 9.11.6 GE Competitive Strengths & Weaknesses

9.12 Howden Group

9.12.1 Howden Group Details

9.12.2 Howden Group Major Business

9.12.3 Howden Group Hydrogen Expander Product and Services

9.12.4 Howden Group Hydrogen Expander Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Howden Group Recent Developments/Updates

9.12.6 Howden Group Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Hydrogen Expander Industry Chain

10.2 Hydrogen Expander Upstream Analysis

10.2.1 Hydrogen Expander Core Raw Materials

10.2.2 Main Manufacturers of Hydrogen Expander Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Hydrogen Expander Production Mode

10.6 Hydrogen Expander Procurement Model

10.7 Hydrogen Expander Industry Sales Model and Sales Channels

10.7.1 Hydrogen Expander Sales Model

10.7.2 Hydrogen Expander Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Hydrogen Expander Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Hydrogen Expander Production Value by Region (2021-2026) & (USD Million)

Table 3. World Hydrogen Expander Production Value by Region (2027-2032) & (USD Million)

Table 4. World Hydrogen Expander Production Value Market Share by Region (2021-2026)

Table 5. World Hydrogen Expander Production Value Market Share by Region (2027-2032)

Table 6. World Hydrogen Expander Production by Region (2021-2026) & (Units)

Table 7. World Hydrogen Expander Production by Region (2027-2032) & (Units)

Table 8. World Hydrogen Expander Production Market Share by Region (2021-2026)

Table 9. World Hydrogen Expander Production Market Share by Region (2027-2032)

Table 10. World Hydrogen Expander Average Price by Region (2021-2026) & (K US\$/Unit)

Table 11. World Hydrogen Expander Average Price by Region (2027-2032) & (K US\$/Unit)

Table 12. Hydrogen Expander Major Market Trends

Table 13. World Hydrogen Expander Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Hydrogen Expander Consumption by Region (2021-2026) & (Units)

Table 15. World Hydrogen Expander Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Hydrogen Expander Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Hydrogen Expander Producers in 2025

Table 18. World Hydrogen Expander Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Hydrogen Expander Producers in 2025

Table 20. World Hydrogen Expander Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 21. Global Hydrogen Expander Company Evaluation Quadrant

Table 22. World Hydrogen Expander Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Hydrogen Expander Production Site of Key Manufacturer

Table 24. Hydrogen Expander Market: Company Product Type Footprint

Table 25. Hydrogen Expander Market: Company Product Application Footprint

Table 26. Hydrogen Expander Competitive Factors

Table 27. Hydrogen Expander New Entrant and Capacity Expansion Plans

Table 28. Hydrogen Expander Mergers & Acquisitions Activity

Table 29. United States VS China Hydrogen Expander Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Hydrogen Expander Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Hydrogen Expander Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Hydrogen Expander Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Hydrogen Expander Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Hydrogen Expander Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Hydrogen Expander Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Hydrogen Expander Production Market Share (2021-2026)

Table 37. China Based Hydrogen Expander Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Hydrogen Expander Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Hydrogen Expander Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Hydrogen Expander Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Hydrogen Expander Production Market Share (2021-2026)

Table 42. Rest of World Based Hydrogen Expander Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Hydrogen Expander Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Hydrogen Expander Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Hydrogen Expander Production,

(2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Hydrogen Expander Production Market Share (2021-2026)

Table 47. World Hydrogen Expander Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Hydrogen Expander Production by Type (2021-2026) & (Units)

Table 49. World Hydrogen Expander Production by Type (2027-2032) & (Units)

Table 50. World Hydrogen Expander Production Value by Type (2021-2026) & (USD Million)

Table 51. World Hydrogen Expander Production Value by Type (2027-2032) & (USD Million)

Table 52. World Hydrogen Expander Average Price by Type (2021-2026) & (K US\$/Unit)

Table 53. World Hydrogen Expander Average Price by Type (2027-2032) & (K US\$/Unit)

Table 54. World Hydrogen Expander Production Value by Bearing Support Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Hydrogen Expander Production by Bearing Support Type (2021-2026) & (Units)

Table 56. World Hydrogen Expander Production by Bearing Support Type (2027-2032) & (Units)

Table 57. World Hydrogen Expander Production Value by Bearing Support Type (2021-2026) & (USD Million)

Table 58. World Hydrogen Expander Production Value by Bearing Support Type (2027-2032) & (USD Million)

Table 59. World Hydrogen Expander Average Price by Bearing Support Type (2021-2026) & (K US\$/Unit)

Table 60. World Hydrogen Expander Average Price by Bearing Support Type (2027-2032) & (K US\$/Unit)

Table 61. World Hydrogen Expander Production Value by Cooling Method, (USD Million), 2021 & 2025 & 2032

Table 62. World Hydrogen Expander Production by Cooling Method (2021-2026) & (Units)

Table 63. World Hydrogen Expander Production by Cooling Method (2027-2032) & (Units)

Table 64. World Hydrogen Expander Production Value by Cooling Method (2021-2026) & (USD Million)

Table 65. World Hydrogen Expander Production Value by Cooling Method (2027-2032) & (USD Million)

Table 66. World Hydrogen Expander Average Price by Cooling Method (2021-2026) & (K US\$/Unit)

Table 67. World Hydrogen Expander Average Price by Cooling Method (2027-2032) & (K US\$/Unit)

Table 68. World Hydrogen Expander Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Hydrogen Expander Production by Application (2021-2026) & (Units)

Table 70. World Hydrogen Expander Production by Application (2027-2032) & (Units)

Table 71. World Hydrogen Expander Production Value by Application (2021-2026) & (USD Million)

Table 72. World Hydrogen Expander Production Value by Application (2027-2032) & (USD Million)

Table 73. World Hydrogen Expander Average Price by Application (2021-2026) & (K US\$/Unit)

Table 74. World Hydrogen Expander Average Price by Application (2027-2032) & (K US\$/Unit)

Table 75. Air Products Basic Information, Manufacturing Base and Competitors

Table 76. Air Products Major Business

Table 77. Air Products Hydrogen Expander Product and Services

Table 78. Air Products Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Air Products Recent Developments/Updates

Table 80. Air Products Competitive Strengths & Weaknesses

Table 81. Linde AG Basic Information, Manufacturing Base and Competitors

Table 82. Linde AG Major Business

Table 83. Linde AG Hydrogen Expander Product and Services

Table 84. Linde AG Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Linde AG Recent Developments/Updates

Table 86. Linde AG Competitive Strengths & Weaknesses

Table 87. Chart Industries Basic Information, Manufacturing Base and Competitors

Table 88. Chart Industries Major Business

Table 89. Chart Industries Hydrogen Expander Product and Services

Table 90. Chart Industries Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Chart Industries Recent Developments/Updates

Table 92. Chart Industries Competitive Strengths & Weaknesses

Table 93. Cryostar Basic Information, Manufacturing Base and Competitors

Table 94. Cryostar Major Business

- Table 95. Cryostar Hydrogen Expander Product and Services
- Table 96. Cryostar Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Cryostar Recent Developments/Updates
- Table 98. Cryostar Competitive Strengths & Weaknesses
- Table 99. Atlas Copco Basic Information, Manufacturing Base and Competitors
- Table 100. Atlas Copco Major Business
- Table 101. Atlas Copco Hydrogen Expander Product and Services
- Table 102. Atlas Copco Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Atlas Copco Recent Developments/Updates
- Table 104. Atlas Copco Competitive Strengths & Weaknesses
- Table 105. Elliott Group Basic Information, Manufacturing Base and Competitors
- Table 106. Elliott Group Major Business
- Table 107. Elliott Group Hydrogen Expander Product and Services
- Table 108. Elliott Group Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Elliott Group Recent Developments/Updates
- Table 110. Elliott Group Competitive Strengths & Weaknesses
- Table 111. Everllence Basic Information, Manufacturing Base and Competitors
- Table 112. Everllence Major Business
- Table 113. Everllence Hydrogen Expander Product and Services
- Table 114. Everllence Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Everllence Recent Developments/Updates
- Table 116. Everllence Competitive Strengths & Weaknesses
- Table 117. Mitsubishi Heavy Industries Basic Information, Manufacturing Base and Competitors
- Table 118. Mitsubishi Heavy Industries Major Business
- Table 119. Mitsubishi Heavy Industries Hydrogen Expander Product and Services
- Table 120. Mitsubishi Heavy Industries Hydrogen Expander Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Mitsubishi Heavy Industries Recent Developments/Updates
- Table 122. Mitsubishi Heavy Industries Competitive Strengths & Weaknesses
- Table 123. Siemens Energy Basic Information, Manufacturing Base and Competitors
- Table 124. Siemens Energy Major Business
- Table 125. Siemens Energy Hydrogen Expander Product and Services
- Table 126. Siemens Energy Hydrogen Expander Production (Units), Price (K US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Siemens Energy Recent Developments/Updates

Table 128. Siemens Energy Competitive Strengths & Weaknesses

Table 129. Honeywell Basic Information, Manufacturing Base and Competitors

Table 130. Honeywell Major Business

Table 131. Honeywell Hydrogen Expander Product and Services

Table 132. Honeywell Hydrogen Expander Production (Units), Price (K US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Honeywell Recent Developments/Updates

Table 134. Honeywell Competitive Strengths & Weaknesses

Table 135. GE Basic Information, Manufacturing Base and Competitors

Table 136. GE Major Business

Table 137. GE Hydrogen Expander Product and Services

Table 138. GE Hydrogen Expander Production (Units), Price (K US\$/Unit), Production
Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. GE Recent Developments/Updates

Table 140. GE Competitive Strengths & Weaknesses

Table 141. Howden Group Basic Information, Manufacturing Base and Competitors

Table 142. Howden Group Major Business

Table 143. Howden Group Hydrogen Expander Product and Services

Table 144. Howden Group Hydrogen Expander Production (Units), Price (K US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Howden Group Recent Developments/Updates

Table 146. Howden Group Competitive Strengths & Weaknesses

Table 147. Global Key Players of Hydrogen Expander Upstream (Raw Materials)

Table 148. Global Hydrogen Expander Typical Customers

Table 149. Hydrogen Expander Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Hydrogen Expander Picture

Figure 2. World Hydrogen Expander Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Hydrogen Expander Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Hydrogen Expander Production (2021-2032) & (Units)

Figure 5. World Hydrogen Expander Average Price (2021-2032) & (K US\$/Unit)

Figure 6. World Hydrogen Expander Production Value Market Share by Region (2021-2032)

Figure 7. World Hydrogen Expander Production Market Share by Region (2021-2032)

Figure 8. North America Hydrogen Expander Production (2021-2032) & (Units)

Figure 9. Europe Hydrogen Expander Production (2021-2032) & (Units)

Figure 10. China Hydrogen Expander Production (2021-2032) & (Units)

Figure 11. Japan Hydrogen Expander Production (2021-2032) & (Units)

Figure 12. Hydrogen Expander Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 15. World Hydrogen Expander Consumption Market Share by Region (2021-2032)

Figure 16. United States Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 17. China Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 18. Europe Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 19. Japan Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 20. South Korea Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 21. ASEAN Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 22. India Hydrogen Expander Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Hydrogen Expander by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Hydrogen Expander Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Hydrogen Expander Markets in 2025

Figure 26. United States VS China: Hydrogen Expander Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Hydrogen Expander Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Hydrogen Expander Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Hydrogen Expander Production Market Share 2025

Figure 30. China Based Manufacturers Hydrogen Expander Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Hydrogen Expander Production Market Share 2025

Figure 32. World Hydrogen Expander Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Hydrogen Expander Production Value Market Share by Type in 2025

Figure 34. Radial Expander

Figure 35. Axial Flow Expander

Figure 36. Others

Figure 37. World Hydrogen Expander Production Market Share by Type (2021-2032)

Figure 38. World Hydrogen Expander Production Value Market Share by Type (2021-2032)

Figure 39. World Hydrogen Expander Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 40. World Hydrogen Expander Production Value by Bearing Support Type, (USD Million), 2021 & 2025 & 2032

Figure 41. World Hydrogen Expander Production Value Market Share by Bearing Support Type in 2025

Figure 42. Mechanical Bearing Expander

Figure 43. Magnetic Levitation Bearing Expander

Figure 44. World Hydrogen Expander Production Market Share by Bearing Support Type (2021-2032)

Figure 45. World Hydrogen Expander Production Value Market Share by Bearing Support Type (2021-2032)

Figure 46. World Hydrogen Expander Average Price by Bearing Support Type (2021-2032) & (K US\$/Unit)

Figure 47. World Hydrogen Expander Production Value by Cooling Method, (USD Million), 2021 & 2025 & 2032

Figure 48. World Hydrogen Expander Production Value Market Share by Cooling Method in 2025

Figure 49. Air-Cooled Expander

Figure 50. Liquid-Cooled Expander

Figure 51. World Hydrogen Expander Production Market Share by Cooling Method

(2021-2032)

Figure 52. World Hydrogen Expander Production Value Market Share by Cooling Method (2021-2032)

Figure 53. World Hydrogen Expander Average Price by Cooling Method (2021-2032) & (K US\$/Unit)

Figure 54. World Hydrogen Expander Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Hydrogen Expander Production Value Market Share by Application in 2025

Figure 56. Chemical Industry

Figure 57. Energy Industry

Figure 58. Others

Figure 59. World Hydrogen Expander Production Market Share by Application (2021-2032)

Figure 60. World Hydrogen Expander Production Value Market Share by Application (2021-2032)

Figure 61. World Hydrogen Expander Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 62. Hydrogen Expander Industry Chain

Figure 63. Hydrogen Expander Procurement Model

Figure 64. Hydrogen Expander Sales Model

Figure 65. Hydrogen Expander Sales Channels, Direct Sales, and Distribution

Figure 66. Methodology

Figure 67. Research Process and Data Source

I would like to order

Product name: Global Hydrogen Expander Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G0A956731E89EN.html>

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 <https://marketpublishers.com/r/G0A956731E89EN.html>