

Global Helium Gas Purification System Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Helium Gas Purification System market size was valued at USD 351.9 million in 2022 and is forecast to a readjusted size of USD 619.8 million by 2029 with a CAGR of 8.4% during review period.

Helium gas purification system is an international frontier research field, and the methods used include low temperature condensation, membrane separation, pressure swing adsorption, chemical adsorption and other methods. The common method of helium purification cycle equipment is low temperature and condensation method. In addition, a large number of new technologies in the low-temperature field have been adopted during the equipment development process, including vibration reduction of high-pressure helium compressors, special welding technology for low-temperature and high-pressure copper pipes, and low-temperature high-pressure joint sealing technology, etc., to optimize products. On this basis, a breakthrough has been made in the purification technology of membrane separation method, and the low-purity helium with a purity of 10% is purified to more than 99.5% through a composite purification and separation method, and the system purification recovery rate is 60%.

The Global Info Research report includes an overview of the development of the Helium Gas Purification System industry chain, the market status of Medical (Cryogenic Distillation, Pressure Swing Adsorption (PSA)), Semiconductor (Cryogenic Distillation, Pressure Swing Adsorption (PSA)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Helium Gas Purification System.

Regionally, the report analyzes the Helium Gas Purification System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Helium Gas Purification System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Helium Gas Purification System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Helium Gas Purification System industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Cryogenic Distillation, Pressure Swing Adsorption (PSA)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Helium Gas Purification System market.

Regional Analysis: The report involves examining the Helium Gas Purification System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Helium Gas Purification System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Helium Gas Purification System:

Company Analysis: Report covers individual Helium Gas Purification System manufacturers, suppliers, and other relevant industry players. This analysis includes

studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Helium Gas Purification System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Medical, Semiconductor).

Technology Analysis: Report covers specific technologies relevant to Helium Gas Purification System. It assesses the current state, advancements, and potential future developments in Helium Gas Purification System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Helium Gas Purification System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Helium Gas Purification System market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Cryogenic Distillation

Pressure Swing Adsorption (PSA)

Membrane Separation

Market segment by Application

Medical

Semiconductor

Aerospace

Others

Major players covered

Entegris

Air Liquide

Air Products

Sumitomo Chemicals

Linde

Taiyo Nippon Sanso

Ivys Adsorbation

Guangzhou Guanggang Gases & Energy

Cryomech (Bluefors)

Sysadvance

Bhuruka Gases Ltd

Quantum Design

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 Helium Gas Purification System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Helium Gas Purification System, with price, sales, revenue and global market share of Helium Gas Purification System from 2018 to 2023.

Chapter 3, the Helium Gas Purification System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Helium Gas Purification System breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Helium Gas Purification System market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Helium Gas

Purification System.

Chapter 14 and 15, to describe Helium Gas Purification System sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Helium Gas Purification System
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Helium Gas Purification System Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 Cryogenic Distillation
 - 1.3.3 Pressure Swing Adsorption (PSA)
 - 1.3.4 Membrane Separation
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Helium Gas Purification System Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Medical
 - 1.4.3 Semiconductor
 - 1.4.4 Aerospace
 - 1.4.5 Others
- 1.5 Global Helium Gas Purification System Market Size & Forecast
 - 1.5.1 Global Helium Gas Purification System Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global Helium Gas Purification System Sales Quantity (2018-2029)
 - 1.5.3 Global Helium Gas Purification System Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Entegris
 - 2.1.1 Entegris Details
 - 2.1.2 Entegris Major Business
 - 2.1.3 Entegris Helium Gas Purification System Product and Services
 - 2.1.4 Entegris Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Entegris Recent Developments/Updates
- 2.2 Air Liquide
 - 2.2.1 Air Liquide Details
 - 2.2.2 Air Liquide Major Business
 - 2.2.3 Air Liquide Helium Gas Purification System Product and Services
 - 2.2.4 Air Liquide Helium Gas Purification System Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Air Liquide Recent Developments/Updates

2.3 Air Products

2.3.1 Air Products Details

2.3.2 Air Products Major Business

2.3.3 Air Products Helium Gas Purification System Product and Services

2.3.4 Air Products Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Air Products Recent Developments/Updates

2.4 Sumitomo Chemicals

2.4.1 Sumitomo Chemicals Details

2.4.2 Sumitomo Chemicals Major Business

2.4.3 Sumitomo Chemicals Helium Gas Purification System Product and Services

2.4.4 Sumitomo Chemicals Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 Sumitomo Chemicals Recent Developments/Updates

2.5 Linde

2.5.1 Linde Details

2.5.2 Linde Major Business

2.5.3 Linde Helium Gas Purification System Product and Services

2.5.4 Linde Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 Linde Recent Developments/Updates

2.6 Taiyo Nippon Sanso

2.6.1 Taiyo Nippon Sanso Details

2.6.2 Taiyo Nippon Sanso Major Business

2.6.3 Taiyo Nippon Sanso Helium Gas Purification System Product and Services

2.6.4 Taiyo Nippon Sanso Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Taiyo Nippon Sanso Recent Developments/Updates

2.7 Ivys Adsorbation

2.7.1 Ivys Adsorbation Details

2.7.2 Ivys Adsorbation Major Business

2.7.3 Ivys Adsorbation Helium Gas Purification System Product and Services

2.7.4 Ivys Adsorbation Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Ivys Adsorbation Recent Developments/Updates

2.8 Guangzhou Guanggang Gases & Energy

2.8.1 Guangzhou Guanggang Gases & Energy Details

- 2.8.2 Guangzhou Guanggang Gases & Energy Major Business
- 2.8.3 Guangzhou Guanggang Gases & Energy Helium Gas Purification System Product and Services
- 2.8.4 Guangzhou Guanggang Gases & Energy Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Guangzhou Guanggang Gases & Energy Recent Developments/Updates
- 2.9 Cryomech (Bluefors)
 - 2.9.1 Cryomech (Bluefors) Details
 - 2.9.2 Cryomech (Bluefors) Major Business
 - 2.9.3 Cryomech (Bluefors) Helium Gas Purification System Product and Services
 - 2.9.4 Cryomech (Bluefors) Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.9.5 Cryomech (Bluefors) Recent Developments/Updates
- 2.10 Sysadvance
 - 2.10.1 Sysadvance Details
 - 2.10.2 Sysadvance Major Business
 - 2.10.3 Sysadvance Helium Gas Purification System Product and Services
 - 2.10.4 Sysadvance Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.10.5 Sysadvance Recent Developments/Updates
- 2.11 Bhuruka Gases Ltd
 - 2.11.1 Bhuruka Gases Ltd Details
 - 2.11.2 Bhuruka Gases Ltd Major Business
 - 2.11.3 Bhuruka Gases Ltd Helium Gas Purification System Product and Services
 - 2.11.4 Bhuruka Gases Ltd Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.11.5 Bhuruka Gases Ltd Recent Developments/Updates
- 2.12 Quantum Design
 - 2.12.1 Quantum Design Details
 - 2.12.2 Quantum Design Major Business
 - 2.12.3 Quantum Design Helium Gas Purification System Product and Services
 - 2.12.4 Quantum Design Helium Gas Purification System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.12.5 Quantum Design Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: HELIUM GAS PURIFICATION SYSTEM BY MANUFACTURER

3.1 Global Helium Gas Purification System Sales Quantity by Manufacturer (2018-2023)

- 3.2 Global Helium Gas Purification System Revenue by Manufacturer (2018-2023)
- 3.3 Global Helium Gas Purification System Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of Helium Gas Purification System by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 Helium Gas Purification System Manufacturer Market Share in 2022
 - 3.4.2 Top 6 Helium Gas Purification System Manufacturer Market Share in 2022
- 3.5 Helium Gas Purification System Market: Overall Company Footprint Analysis
 - 3.5.1 Helium Gas Purification System Market: Region Footprint
 - 3.5.2 Helium Gas Purification System Market: Company Product Type Footprint
 - 3.5.3 Helium Gas Purification System 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 Helium Gas Purification System Market Size by Region
 - 4.1.1 Global Helium Gas Purification System Sales Quantity by Region (2018-2029)
 - 4.1.2 Global Helium Gas Purification System Consumption Value by Region (2018-2029)
 - 4.1.3 Global Helium Gas Purification System Average Price by Region (2018-2029)
- 4.2 North America Helium Gas Purification System Consumption Value (2018-2029)
- 4.3 Europe Helium Gas Purification System Consumption Value (2018-2029)
- 4.4 Asia-Pacific Helium Gas Purification System Consumption Value (2018-2029)
- 4.5 South America Helium Gas Purification System Consumption Value (2018-2029)
- 4.6 Middle East and Africa Helium Gas Purification System Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Helium Gas Purification System Sales Quantity by Type (2018-2029)
- 5.2 Global Helium Gas Purification System Consumption Value by Type (2018-2029)
- 5.3 Global Helium Gas Purification System Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Helium Gas Purification System Sales Quantity by Application (2018-2029)
- 6.2 Global Helium Gas Purification System Consumption Value by Application (2018-2029)

6.3 Global Helium Gas Purification System Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America Helium Gas Purification System Sales Quantity by Type (2018-2029)

7.2 North America Helium Gas Purification System Sales Quantity by Application (2018-2029)

7.3 North America Helium Gas Purification System Market Size by Country

7.3.1 North America Helium Gas Purification System Sales Quantity by Country (2018-2029)

7.3.2 North America Helium Gas Purification System Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe Helium Gas Purification System Sales Quantity by Type (2018-2029)

8.2 Europe Helium Gas Purification System Sales Quantity by Application (2018-2029)

8.3 Europe Helium Gas Purification System Market Size by Country

8.3.1 Europe Helium Gas Purification System Sales Quantity by Country (2018-2029)

8.3.2 Europe Helium Gas Purification System Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific Helium Gas Purification System Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Helium Gas Purification System Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Helium Gas Purification System Market Size by Region

9.3.1 Asia-Pacific Helium Gas Purification System Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Helium Gas Purification System Consumption Value by Region

(2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America Helium Gas Purification System Sales Quantity by Type
(2018-2029)

10.2 South America Helium Gas Purification System Sales Quantity by Application
(2018-2029)

10.3 South America Helium Gas Purification System Market Size by Country

10.3.1 South America Helium Gas Purification System Sales Quantity by Country
(2018-2029)

10.3.2 South America Helium Gas Purification System Consumption Value by Country
(2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Helium Gas Purification System Sales Quantity by Type
(2018-2029)

11.2 Middle East & Africa Helium Gas Purification System Sales Quantity by Application
(2018-2029)

11.3 Middle East & Africa Helium Gas Purification System Market Size by Country

11.3.1 Middle East & Africa Helium Gas Purification System Sales Quantity by Country
(2018-2029)

11.3.2 Middle East & Africa Helium Gas Purification System Consumption Value by
Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

- 12.1 Helium Gas Purification System Market Drivers
- 12.2 Helium Gas Purification System Market Restraints
- 12.3 Helium Gas Purification System 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 Helium Gas Purification System and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Helium Gas Purification System
- 13.3 Helium Gas Purification System Production Process
- 13.4 Helium Gas Purification System Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Helium Gas Purification System Typical Distributors
- 14.3 Helium Gas Purification System 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 Helium Gas Purification System Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Helium Gas Purification System Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Entegris Basic Information, Manufacturing Base and Competitors

Table 4. Entegris Major Business

Table 5. Entegris Helium Gas Purification System Product and Services

Table 6. Entegris Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Entegris Recent Developments/Updates

Table 8. Air Liquide Basic Information, Manufacturing Base and Competitors

Table 9. Air Liquide Major Business

Table 10. Air Liquide Helium Gas Purification System Product and Services

Table 11. Air Liquide Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Air Liquide Recent Developments/Updates

Table 13. Air Products Basic Information, Manufacturing Base and Competitors

Table 14. Air Products Major Business

Table 15. Air Products Helium Gas Purification System Product and Services

Table 16. Air Products Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Air Products Recent Developments/Updates

Table 18. Sumitomo Chemicals Basic Information, Manufacturing Base and Competitors

Table 19. Sumitomo Chemicals Major Business

Table 20. Sumitomo Chemicals Helium Gas Purification System Product and Services

Table 21. Sumitomo Chemicals Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Sumitomo Chemicals Recent Developments/Updates

Table 23. Linde Basic Information, Manufacturing Base and Competitors

Table 24. Linde Major Business

Table 25. Linde Helium Gas Purification System Product and Services

Table 26. Linde Helium Gas Purification System Sales Quantity (Units), Average Price

(K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Linde Recent Developments/Updates

Table 28. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors

Table 29. Taiyo Nippon Sanso Major Business

Table 30. Taiyo Nippon Sanso Helium Gas Purification System Product and Services

Table 31. Taiyo Nippon Sanso Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Taiyo Nippon Sanso Recent Developments/Updates

Table 33. Ivys Adsorbation Basic Information, Manufacturing Base and Competitors

Table 34. Ivys Adsorbation Major Business

Table 35. Ivys Adsorbation Helium Gas Purification System Product and Services

Table 36. Ivys Adsorbation Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Ivys Adsorbation Recent Developments/Updates

Table 38. Guangzhou Guanggang Gases & Energy Basic Information, Manufacturing Base and Competitors

Table 39. Guangzhou Guanggang Gases & Energy Major Business

Table 40. Guangzhou Guanggang Gases & Energy Helium Gas Purification System Product and Services

Table 41. Guangzhou Guanggang Gases & Energy Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Guangzhou Guanggang Gases & Energy Recent Developments/Updates

Table 43. Cryomech (Bluefors) Basic Information, Manufacturing Base and Competitors

Table 44. Cryomech (Bluefors) Major Business

Table 45. Cryomech (Bluefors) Helium Gas Purification System Product and Services

Table 46. Cryomech (Bluefors) Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Cryomech (Bluefors) Recent Developments/Updates

Table 48. Sysadvance Basic Information, Manufacturing Base and Competitors

Table 49. Sysadvance Major Business

Table 50. Sysadvance Helium Gas Purification System Product and Services

Table 51. Sysadvance Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Sysadvance Recent Developments/Updates

Table 53. Bhuruka Gases Ltd Basic Information, Manufacturing Base and Competitors

Table 54. Bhuruka Gases Ltd Major Business

Table 55. Bhuruka Gases Ltd Helium Gas Purification System Product and Services

Table 56. Bhuruka Gases Ltd Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Bhuruka Gases Ltd Recent Developments/Updates

Table 58. Quantum Design Basic Information, Manufacturing Base and Competitors

Table 59. Quantum Design Major Business

Table 60. Quantum Design Helium Gas Purification System Product and Services

Table 61. Quantum Design Helium Gas Purification System Sales Quantity (Units), Average Price (K USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Quantum Design Recent Developments/Updates

Table 63. Global Helium Gas Purification System Sales Quantity by Manufacturer (2018-2023) & (Units)

Table 64. Global Helium Gas Purification System Revenue by Manufacturer (2018-2023) & (USD Million)

Table 65. Global Helium Gas Purification System Average Price by Manufacturer (2018-2023) & (K USD/Unit)

Table 66. Market Position of Manufacturers in Helium Gas Purification System, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 67. Head Office and Helium Gas Purification System Production Site of Key Manufacturer

Table 68. Helium Gas Purification System Market: Company Product Type Footprint

Table 69. Helium Gas Purification System Market: Company Product Application Footprint

Table 70. Helium Gas Purification System New Market Entrants and Barriers to Market Entry

Table 71. Helium Gas Purification System Mergers, Acquisition, Agreements, and Collaborations

Table 72. Global Helium Gas Purification System Sales Quantity by Region (2018-2023) & (Units)

Table 73. Global Helium Gas Purification System Sales Quantity by Region (2024-2029) & (Units)

Table 74. Global Helium Gas Purification System Consumption Value by Region (2018-2023) & (USD Million)

Table 75. Global Helium Gas Purification System Consumption Value by Region (2024-2029) & (USD Million)

Table 76. Global Helium Gas Purification System Average Price by Region (2018-2023) & (K USD/Unit)

Table 77. Global Helium Gas Purification System Average Price by Region (2024-2029) & (K USD/Unit)

Table 78. Global Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 79. Global Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 80. Global Helium Gas Purification System Consumption Value by Type (2018-2023) & (USD Million)

Table 81. Global Helium Gas Purification System Consumption Value by Type (2024-2029) & (USD Million)

Table 82. Global Helium Gas Purification System Average Price by Type (2018-2023) & (K USD/Unit)

Table 83. Global Helium Gas Purification System Average Price by Type (2024-2029) & (K USD/Unit)

Table 84. Global Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 85. Global Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 86. Global Helium Gas Purification System Consumption Value by Application (2018-2023) & (USD Million)

Table 87. Global Helium Gas Purification System Consumption Value by Application (2024-2029) & (USD Million)

Table 88. Global Helium Gas Purification System Average Price by Application (2018-2023) & (K USD/Unit)

Table 89. Global Helium Gas Purification System Average Price by Application (2024-2029) & (K USD/Unit)

Table 90. North America Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 91. North America Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 92. North America Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 93. North America Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 94. North America Helium Gas Purification System Sales Quantity by Country (2018-2023) & (Units)

Table 95. North America Helium Gas Purification System Sales Quantity by Country

(2024-2029) & (Units)

Table 96. North America Helium Gas Purification System Consumption Value by Country (2018-2023) & (USD Million)

Table 97. North America Helium Gas Purification System Consumption Value by Country (2024-2029) & (USD Million)

Table 98. Europe Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 99. Europe Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 100. Europe Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 101. Europe Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 102. Europe Helium Gas Purification System Sales Quantity by Country (2018-2023) & (Units)

Table 103. Europe Helium Gas Purification System Sales Quantity by Country (2024-2029) & (Units)

Table 104. Europe Helium Gas Purification System Consumption Value by Country (2018-2023) & (USD Million)

Table 105. Europe Helium Gas Purification System Consumption Value by Country (2024-2029) & (USD Million)

Table 106. Asia-Pacific Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 107. Asia-Pacific Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 108. Asia-Pacific Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 109. Asia-Pacific Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 110. Asia-Pacific Helium Gas Purification System Sales Quantity by Region (2018-2023) & (Units)

Table 111. Asia-Pacific Helium Gas Purification System Sales Quantity by Region (2024-2029) & (Units)

Table 112. Asia-Pacific Helium Gas Purification System Consumption Value by Region (2018-2023) & (USD Million)

Table 113. Asia-Pacific Helium Gas Purification System Consumption Value by Region (2024-2029) & (USD Million)

Table 114. South America Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 115. South America Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 116. South America Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 117. South America Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 118. South America Helium Gas Purification System Sales Quantity by Country (2018-2023) & (Units)

Table 119. South America Helium Gas Purification System Sales Quantity by Country (2024-2029) & (Units)

Table 120. South America Helium Gas Purification System Consumption Value by Country (2018-2023) & (USD Million)

Table 121. South America Helium Gas Purification System Consumption Value by Country (2024-2029) & (USD Million)

Table 122. Middle East & Africa Helium Gas Purification System Sales Quantity by Type (2018-2023) & (Units)

Table 123. Middle East & Africa Helium Gas Purification System Sales Quantity by Type (2024-2029) & (Units)

Table 124. Middle East & Africa Helium Gas Purification System Sales Quantity by Application (2018-2023) & (Units)

Table 125. Middle East & Africa Helium Gas Purification System Sales Quantity by Application (2024-2029) & (Units)

Table 126. Middle East & Africa Helium Gas Purification System Sales Quantity by Region (2018-2023) & (Units)

Table 127. Middle East & Africa Helium Gas Purification System Sales Quantity by Region (2024-2029) & (Units)

Table 128. Middle East & Africa Helium Gas Purification System Consumption Value by Region (2018-2023) & (USD Million)

Table 129. Middle East & Africa Helium Gas Purification System Consumption Value by Region (2024-2029) & (USD Million)

Table 130. Helium Gas Purification System Raw Material

Table 131. Key Manufacturers of Helium Gas Purification System Raw Materials

Table 132. Helium Gas Purification System Typical Distributors

Table 133. Helium Gas Purification System Typical Customers

LIST OF FIGURE

s

Figure 1. Helium Gas Purification System Picture

Figure 2. Global Helium Gas Purification System Consumption Value by Type, (USD

Million), 2018 & 2022 & 2029

Figure 3. Global Helium Gas Purification System Consumption Value Market Share by Type in 2022

Figure 4. Cryogenic Distillation Examples

Figure 5. Pressure Swing Adsorption (PSA) Examples

Figure 6. Membrane Separation Examples

Figure 7. Global Helium Gas Purification System Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global Helium Gas Purification System Consumption Value Market Share by Application in 2022

Figure 9. Medical Examples

Figure 10. Semiconductor Examples

Figure 11. Aerospace Examples

Figure 12. Others Examples

Figure 13. Global Helium Gas Purification System Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 14. Global Helium Gas Purification System Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 15. Global Helium Gas Purification System Sales Quantity (2018-2029) & (Units)

Figure 16. Global Helium Gas Purification System Average Price (2018-2029) & (K USD/Unit)

Figure 17. Global Helium Gas Purification System Sales Quantity Market Share by Manufacturer in 2022

Figure 18. Global Helium Gas Purification System Consumption Value Market Share by Manufacturer in 2022

Figure 19. Producer Shipments of Helium Gas Purification System by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 20. Top 3 Helium Gas Purification System Manufacturer (Consumption Value) Market Share in 2022

Figure 21. Top 6 Helium Gas Purification System Manufacturer (Consumption Value) Market Share in 2022

Figure 22. Global Helium Gas Purification System Sales Quantity Market Share by Region (2018-2029)

Figure 23. Global Helium Gas Purification System Consumption Value Market Share by Region (2018-2029)

Figure 24. North America Helium Gas Purification System Consumption Value (2018-2029) & (USD Million)

Figure 25. Europe Helium Gas Purification System Consumption Value (2018-2029) & (USD Million)

- Figure 26. Asia-Pacific Helium Gas Purification System Consumption Value (2018-2029) & (USD Million)
- Figure 27. South America Helium Gas Purification System Consumption Value (2018-2029) & (USD Million)
- Figure 28. Middle East & Africa Helium Gas Purification System Consumption Value (2018-2029) & (USD Million)
- Figure 29. Global Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)
- Figure 30. Global Helium Gas Purification System Consumption Value Market Share by Type (2018-2029)
- Figure 31. Global Helium Gas Purification System Average Price by Type (2018-2029) & (K USD/Unit)
- Figure 32. Global Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)
- Figure 33. Global Helium Gas Purification System Consumption Value Market Share by Application (2018-2029)
- Figure 34. Global Helium Gas Purification System Average Price by Application (2018-2029) & (K USD/Unit)
- Figure 35. North America Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)
- Figure 36. North America Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)
- Figure 37. North America Helium Gas Purification System Sales Quantity Market Share by Country (2018-2029)
- Figure 38. North America Helium Gas Purification System Consumption Value Market Share by Country (2018-2029)
- Figure 39. United States Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 40. Canada Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 41. Mexico Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 42. Europe Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)
- Figure 43. Europe Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)
- Figure 44. Europe Helium Gas Purification System Sales Quantity Market Share by Country (2018-2029)
- Figure 45. Europe Helium Gas Purification System Consumption Value Market Share by

Country (2018-2029)

Figure 46. Germany Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. France Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. United Kingdom Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Russia Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Italy Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Asia-Pacific Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)

Figure 52. Asia-Pacific Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)

Figure 53. Asia-Pacific Helium Gas Purification System Sales Quantity Market Share by Region (2018-2029)

Figure 54. Asia-Pacific Helium Gas Purification System Consumption Value Market Share by Region (2018-2029)

Figure 55. China Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Japan Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Korea Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. India Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Southeast Asia Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Australia Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. South America Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)

Figure 62. South America Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)

Figure 63. South America Helium Gas Purification System Sales Quantity Market Share by Country (2018-2029)

Figure 64. South America Helium Gas Purification System Consumption Value Market Share by Country (2018-2029)

Figure 65. Brazil Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Argentina Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Middle East & Africa Helium Gas Purification System Sales Quantity Market Share by Type (2018-2029)

Figure 68. Middle East & Africa Helium Gas Purification System Sales Quantity Market Share by Application (2018-2029)

Figure 69. Middle East & Africa Helium Gas Purification System Sales Quantity Market Share by Region (2018-2029)

Figure 70. Middle East & Africa Helium Gas Purification System Consumption Value Market Share by Region (2018-2029)

Figure 71. Turkey Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Egypt Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Saudi Arabia Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. South Africa Helium Gas Purification System Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Helium Gas Purification System Market Drivers

Figure 76. Helium Gas Purification System Market Restraints

Figure 77. Helium Gas Purification System Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Helium Gas Purification System in 2022

Figure 80. Manufacturing Process Analysis of Helium Gas Purification System

Figure 81. Helium Gas Purification System Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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