

Global Helium Liquefier Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Helium Liquefier market size is expected to reach \$ 409 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

Helium Liquefier is a device for converting helium into liquid. It is usually used with equipment of recovery and purification. It is an open system which produces a liquid output and requires an equivalent quantity of feed gas as input. The mass flow rates involved in the respective refrigeration process are asymmetric. The main components are compressors, vacuum-insulated cold box, heat exchanger, TED expansion, liquid helium storage tank / dewar, control system etc. The global unit price of a helium liquefier is US\$621,000, with annual sales of approximately 421 units, a global production capacity of 500 units, and an industry profit margin of 20%. The upstream supply chain mainly includes suppliers of basic materials such as special stainless steel, cryogenic alloys, and insulation materials, as well as manufacturers of core components such as cryogenic compressors, expanders, heat exchangers, cryogenic valves, sensors, and control systems. The downstream supply chain covers research institutions, university laboratories, healthcare (MRI cooling), aerospace, semiconductor manufacturing, quantum computing, and industrial gases, serving high-end applications requiring liquid helium to achieve ultra-low temperature environments, such as superconductivity research and high-energy physics.

Helium Liquefier are mainly classified into the following types: below 40 L/d, 40-80 L/d, above 80 L/d. 40-80 L/d is the most widely used type which takes up about 50% of the global sales market, but above 80 L/d product holds 59% of global revenue market due to the high price level. Helium Liquefier have wide range of applications. Research Institutes was the most widely used area which took up about 47% of the total sales market share. APAC is the largest contribution of global market. China is the largest

countries of Helium Liquefier in Asia-Pacific. China market took up about 45% the Asia-Pacific market. Linde Engineering, Air Liquide and Quantum Design are the top 3 players of Helium Liquefier, with about 77% market shares.

This report studies the global Helium Liquefier production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Helium Liquefier total production and demand, 2021-2032, (Units)

Global Helium Liquefier total production value, 2021-2032, (USD Million)

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

Global Helium Liquefier consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Helium Liquefier domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global Helium Liquefier 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 Linde Engineering, Air Liquide, Qdusa, CSIC, Advanced Research Systems, Chart Industries, Bluefors, Fullcryo, Fermi, Cryo Industries of America, 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 Helium Liquefier market

Detailed Segmentation:

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

Global Helium Liquefier Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Helium Liquefier Market, Segmentation by Type:

Below 40 L/d

40-80 L/d

Above 80 L/d

Global Helium Liquefier Market, Segmentation by Structural Form:

Vertical

Integrated

Global Helium Liquefier Market, Segmentation by Cold Source Supply:

Liquid Nitrogen Pre-cooling Type

Ammonia-free Type

Global Helium Liquefier Market, Segmentation by Application:

Research Institutes

University

Healthcare

Others

Companies Profiled:

Linde Engineering

Air Liquide

Qdusa

CSIC

Advanced Research Systems

Chart Industries

Bluefors

Fullcryo

Fermi

Cryo Industries of America

Cryomech

Key Questions Answered:

1. How big is the global Helium Liquefier market?
2. What is the demand of the global Helium Liquefier market?
3. What is the year over year growth of the global Helium Liquefier market?
4. What is the production and production value of the global Helium Liquefier market?
5. Who are the key producers in the global Helium Liquefier market?
6. What are the growth factors driving the market demand?

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