

Global Liquid Nitrogen Generators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G5E13CDA0F18EN.html>

Date: January 2024

Pages: 89

Price: US\$ 3,480.00 (Single User License)

ID: G5E13CDA0F18EN

Abstracts

According to our (Global Info Research) latest study, the global Liquid Nitrogen Generators market size was valued at USD 26 million in 2023 and is forecast to a readjusted size of USD 33 million by 2030 with a CAGR of 3.5% during review period.

Liquid nitrogen is commonly used as a cryogenic refrigerant. Reasons why it is commonly used are that the nitrogen gas that it consists of accounts for 80% of air and so a large quantity of liquid nitrogen can be easily manufactured and obtained, nitrogen gas is inert, and it has a large thermal capacity which means it has a long retention time.

A liquid nitrogen generator consists of a nitrogen gas generator that separates and extracts nitrogen gas from the air and the main body that liquefies the nitrogen gas. The main body of the liquid nitrogen generator has a cryocooler for liquefying nitrogen gas, a vacuum heat-insulated vessel to store the liquid nitrogen, a level gauge, safety devices, and a control system in it.

The industry's leading producers are Peak Scientific, Ulvac Cryogenics and Noblegen, with revenue ratios of 33.34%, 23.97% and 14.08%, respectively, in 2019.

The Global Info Research report includes an overview of the development of the Liquid Nitrogen Generators industry chain, the market status of Medical (Production Rate?10 L/Day, 10?Production Rate?20 L/Day), Academic Research (Production Rate?10 L/Day, 10?Production Rate?20 L/Day), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Liquid Nitrogen Generators.

Regionally, the report analyzes the Liquid Nitrogen Generators 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 Liquid Nitrogen Generators market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Liquid Nitrogen Generators 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 Liquid Nitrogen Generators 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 (Unit), revenue generated, and market share of different by Type (e.g., Production Rate?10 L/Day, 10?Production Rate?20 L/Day).

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 Liquid Nitrogen Generators market.

Regional Analysis: The report involves examining the Liquid Nitrogen Generators 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 Liquid Nitrogen Generators market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Liquid Nitrogen Generators:

Company Analysis: Report covers individual Liquid Nitrogen Generators 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 Liquid Nitrogen Generators. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Medical, Academic Research).

Technology Analysis: Report covers specific technologies relevant to Liquid Nitrogen Generators. It assesses the current state, advancements, and potential future developments in Liquid Nitrogen Generators areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Liquid Nitrogen Generators 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

Liquid Nitrogen Generators market is split by Type and by Application. For the period 2019-2030, 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

Production Rate?10 L/Day

10?Production Rate?20 L/Day

20?Production Rate?40 L/Day

Production Rate?40 L/Day

Market segment by Application

Medical

Academic Research

Livestock Industry

Others

Major players covered

Peak Scientific

Ulvac Cryogenics

Noblegen

F-DGSI

MMR Technologies

Imtek Cryogenics

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:

Global Liquid Nitrogen Generators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 203...

Chapter 1, to describe Liquid Nitrogen Generators product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Liquid Nitrogen Generators, with price, sales, revenue and global market share of Liquid Nitrogen Generators from 2019 to 2024.

Chapter 3, the Liquid Nitrogen Generators competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Liquid Nitrogen Generators breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Liquid Nitrogen Generators market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Liquid Nitrogen Generators.

Chapter 14 and 15, to describe Liquid Nitrogen Generators sales channel, distributors, customers, research findings and conclusion.

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