

Global R22 Refrigerant Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global R22 Refrigerant market size was valued at USD 212.2 million in 2023 and is forecast to a readjusted size of USD 78 million by 2030 with a CAGR of -13.4% during review period.

R22 Refrigerant is a chemical that keeps the air coming from your air conditioning system cool, so it's unquestionably incredibly important. Most air conditioning units older than 10 years utilize an AC refrigerant called R22 that's commonly identified as Freon*, and is noted by the EPA as HCFC-22. This refrigerant was introduced in the 1950s and became the leading AC refrigerant in the residential heating and cooling industry.

Fast forward a few decades and the world realized that R22 Refrigerant was aiding in the depletion of the Earth's ozone layer. Not a great thing. So, the U.S. EPA, in cooperation with other agencies and groups around the world, initiated a phase out of many ozone-depleting agents as part of an international agreement known as the Montreal Protocol. The regulation lists many HCFCs and CFCs (different types of refrigerants that deplete the ozone layer), but R22 is considered one of the worst offenders.

In 2003, the phase out of R22 production and imports began. By early 2010 the production and import of R22 became prohibited. However, servicing current, existing equipment is still acceptable if there is an available supply of R22. To confirm the public's compliance with the new law, all sales of R22 must be purchased by a certified technician. The production and import of R22 will be continually reduced by law until 2020, when all production and import will be eliminated. Only recycled R22 Refrigerant will be available to service existing air conditioners after 2020

The global R22 Refrigerant market has been broadly segmented based on type, application, and region. According to the research study, the above 99.9% Purity segment held a significant share of the of the R22 Refrigerant market. In 2019, above 99.9% Purity accounted for a major share of nearly 78 % the global R22 Refrigerant market.

R22 Refrigerant have wide range of applications: Air Conditioning, Refrigeration and Others. Based on application, In R22 Refrigerant market, the Air Conditioning holds an important share in terms of Application, with above 50% of the market share by sales volume in 2019

Asia-Pacific held a key market sales share of the R22 Refrigerant market in 2019 which account for about 74%.

Due to the 'Montreal Protocol', developed countries have stopped the production of R22. China is the main producer of HCFCs in the world, and China has implemented a quota system for use and production. The internal use and export of non-polymer HCFCs are strictly restricted. Take R22, which has the largest output, as an example. From the perspective of total quotas, China strictly implements the Montreal Protocol, reducing it by nearly 11% in 2015 (compared to the baseline, the same below), by nearly 13% in 2019, and will continue to reduce in 2020.

However, R-22 isn't going away overnight. Different regions and countries are following different time phase-out frames; recycled R-22 will be available on the market for many years.

The Global Info Research report includes an overview of the development of the R22 Refrigerant industry chain, the market status of Air Conditioning (Above 99.9%, Below 99.9%), Refrigeration (Above 99.9%, Below 99.9%), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of R22 Refrigerant.

Regionally, the report analyzes the R22 Refrigerant 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 R22 Refrigerant market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the R22 Refrigerant 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 R22 Refrigerant 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 (MT), revenue generated, and market share of different Purity (e.g., Above 99.9%, Below 99.9%).

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 R22 Refrigerant market.

Regional Analysis: The report involves examining the R22 Refrigerant 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 R22 Refrigerant market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to R22 Refrigerant:

Company Analysis: Report covers individual R22 Refrigerant 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 R22 Refrigerant This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Air Conditioning, Refrigeration).

Technology Analysis: Report covers specific technologies relevant to R22 Refrigerant. It

assesses the current state, advancements, and potential future developments in R22 Refrigerant areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the R22 Refrigerant 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

R22 Refrigerant market is split Purity and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value Purity, and by Application in terms of volume and value.

Market segment Purity

Above 99.9%

Below 99.9%

Market segment by Application

Air Conditioning

Refrigeration

Others

Major players covered

Juhua Group

Shandong Dongyue Chemical Co Ltd

Arkema

Jiangsu Meilan Chemical

Zhejiang Sanmei Chemical

Changshu 3F Zhonghao

Yonghe Company

Chemours

Linhai Limin Chemicals

AG Chem

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 R22 Refrigerant product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of R22 Refrigerant, with price, sales, revenue and global market share of R22 Refrigerant from 2019 to 2024.

Chapter 3, the R22 Refrigerant competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the R22 Refrigerant 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 Purity and application, with sales market share and growth rate by ity, 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 R22 Refrigerant market forecast, by regions, ity 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 R22 Refrigerant.

Chapter 14 and 15, to describe R22 Refrigerant sales channel, distributors, customers, research findings and conclusion.

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