

Global R-407 Refrigerant Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global R-407 Refrigerant market size is expected to reach \$ 5109 million by 2032, rising at a market growth of 3.0% CAGR during the forecast period (2026-2032).

In 2025, the global production of R-407 Refrigerant reached approximately 440,000 tons, with an average global market price of around US\$4,000-15,000 per ton. In the same year, the global total production capacity of R-407 Refrigerant reached 560,000 tons. The industry average gross profit margin of this product reached 38%. R-407 refrigerant is a non-azeotropic mixture of refrigerants based on hydrofluorocarbons (HFCs), typically represented by R-407C (a mixture of R32, R125, and R134a in a certain proportion). It is mainly used to replace traditional chlorine-containing refrigerants (such as R22) to meet environmental protection requirements. It possesses zero ozone depletion potential (ODP=0) and thermodynamic properties close to those of R22, and is widely used in air conditioning systems, commercial refrigeration equipment, and some heat pump systems. However, due to its still relatively high global warming potential (GWP), it is facing a gradual replacement by low-GWP refrigerants.

The upstream of the R-407 refrigerant industry chain mainly includes the production of fluorochemical raw materials, basic chemicals, and single-component refrigerants. The core barriers to entry lie in fluorochemical synthesis and proportion control. The midstream comprises refrigerant blending, filling, and brand sales companies, involving formula optimization, purity control, and packaging systems, as well as refrigerant recycling and regeneration companies. The downstream is widely used in residential air conditioners, commercial air conditioners, industrial refrigeration equipment, and heat pump systems, extending to the after-sales service market and refrigeration system integrators. Overall, it presents an integrated structure of 'raw material chemistry?refrigerant manufacturing?equipment application?after-sales service.'

The R-407 refrigerant industry is expected to maintain a stable market share while gradually replacing existing stock. On the one hand, R-407C, as a substitute for R22, will continue to have stable demand in a large number of existing air conditioners and commercial refrigeration equipment, especially in developing countries and the maintenance market. On the other hand, as global climate policies become stricter and low-GWP refrigerants are promoted more rapidly, the application of R-407 in new equipment will continue to decline, and the industry will gradually enter a mature or even contractionary phase. However, in the next 5-10 years, after-sales maintenance and replacement demand will still provide important support, presenting a structural opportunity of 'front-end contraction and back-end stability'.

This report studies the global R-407 Refrigerant production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for R-407 Refrigerant 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 R-407 Refrigerant that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global R-407 Refrigerant total production and demand, 2021-2032, (MT)

Global R-407 Refrigerant total production value, 2021-2032, (USD Million)

Global R-407 Refrigerant production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)

Global R-407 Refrigerant consumption by region & country, CAGR, 2021-2032 & (MT)

U.S. VS China: R-407 Refrigerant domestic production, consumption, key domestic manufacturers and share

Global R-407 Refrigerant production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MT)

Global R-407 Refrigerant production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MT)

Global R-407 Refrigerant production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global R-407 Refrigerant 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 Orbia (Mexico), Daikin (Japan), Chemours (United States), Arkema (France), Dongyue Group (China), Zhejiang Juhua (China), Meilan Chemical (China), Sanmei (China), Sinochem Group (China), Linde A.G.(Germany), 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 R-407 Refrigerant market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (US\$/MT) 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 R-407 Refrigerant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global R-407 Refrigerant Market, Segmentation by Type:

R-407A

R-407C

R-407H

Global R-407 Refrigerant Market, Segmentation by Market Attributes:

New Equipment Supporting Market

After-Sales Service Market

Global R-407 Refrigerant Market, Segmentation by Refrigeration Temperature Range:

Medium-Temperature Refrigeration

Low-Temperature Refrigeration

Global R-407 Refrigerant Market, Segmentation by Application:

Industrial Refrigeration

Commercial Refrigeration

Companies Profiled:

Orbia (Mexico)

Daikin (Japan)

Chemours (United States)

Arkema (France)

Dongyue Group (China)

Zhejiang Juhua (China)

Meilan Chemical (China)

Sanmei (China)

Sinochem Group (China)

Linde A.G.(Germany)

Key Questions Answered:

1. How big is the global R-407 Refrigerant market?
2. What is the demand of the global R-407 Refrigerant market?
3. What is the year over year growth of the global R-407 Refrigerant market?
4. What is the production and production value of the global R-407 Refrigerant market?
5. Who are the key producers in the global R-407 Refrigerant market?
6. What are the growth factors driving the market demand?

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