

Global Hydrofluorocarbon (HFC) Refrigerant Market Growth 2023-2029

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Abstracts

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Refrigerants are generally in the fluid form and are used in a heat pump or refrigeration process. They primarily are of three types: Chlorofluorocarbons (CFC), Hydrochlorofluorocarbons (HCFC), and Hydro-fluorocarbons (HFC). All these types are believed to be hazardous to environment. HFCs are third generation of CFCs which do not deplete ozone layer, but are potentially greenhouse gases.

Hydrofluorocarbon (HFC), any of several organic compounds composed of hydrogen, fluorine, and carbon. HFCs are produced synthetically and are used primarily as refrigerants. They became widely used for this purpose beginning in the late 1980s, with the introduction of the Montreal Protocol, which phased out the use of chemicals such as halons and chlorofluorocarbons (CFCs) that contribute to the depletion of Earth's ozone layer. However, while HFCs have an ozone depletion potential of zero, they are potent greenhouse gases, and thus their manufacture and use became increasingly regulated in the 21st century.

In general, HFCs are relatively nonflammable, chemically stable, and nonreactive. Many are colorless, odorless gases, but some—such as HFC-365mfc (1, 1, 1, 3, 3-pentafluorobutane)—are liquids at room temperature. As refrigerants, HFCs are used in a wide variety of cooling systems, from refrigerators and freezers to automotive air-conditioning units. HFCs are also used as blowing agents in the production of polymer foams; as firefighting agents (having replaced halons); as solvents in cleaning products for plastics and metals and in plasma etching for semiconductor technology; and as propellants in metered-dose inhalers prescribed for the treatment of asthma.

The most popular hydro-fluorocarbon (HFC) refrigerants for new commercial Air Conditioner systems include R-410A and R-137a.

LPI (LP Information)' newest research report, the "Hydrofluorocarbon (HFC) Refrigerant Industry Forecast" looks at past sales and reviews total world Hydrofluorocarbon (HFC) Refrigerant sales in 2022, providing a comprehensive analysis by region and market sector of projected Hydrofluorocarbon (HFC) Refrigerant sales for 2023 through 2029. With Hydrofluorocarbon (HFC) Refrigerant sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hydrofluorocarbon (HFC) Refrigerant industry.

This Insight Report provides a comprehensive analysis of the global Hydrofluorocarbon (HFC) Refrigerant landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Hydrofluorocarbon (HFC) Refrigerant portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hydrofluorocarbon (HFC) Refrigerant market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hydrofluorocarbon (HFC) Refrigerant and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hydrofluorocarbon (HFC) Refrigerant.

The global Hydrofluorocarbon (HFC) Refrigerant market size is projected to grow from US\$ 3534.3 million in 2022 to US\$ 4410.9 million in 2029; it is expected to grow at a CAGR of 4410.9 from 2023 to 2029.

Global major players of HFC refrigerant are Chemours, Arkema, Daikin. The top 5 companies hold a share about 50%. China is the largest market, with a share about 30%, followed by North America and Europe with the share about 27% and 20%. In terms of product, R-134a is the largest segment, with a share about 38%. And in terms of application, the largest application is air conditioner, followed by automotive air conditioner.

This report presents a comprehensive overview, market shares, and growth

opportunities of Hydrofluorocarbon (HFC) Refrigerant market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

R-32 Refrigerant

R-134a Refrigerant

R-410A Refrigerant

R-125 Refrigerant

Other

Segmentation by application

Residential

Commercial

Industrial

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Orbia

Zhejiang Juhua

Chemours

Arkema

Zhejiang Sanmei Chemical

Daikin

Honeywell

Dongyue Group

Sinochem Group

Jiangsu Meilan Chemical

Linde

Gas Servei

Key Questions Addressed in this Report

What is the 10-year outlook for the global Hydrofluorocarbon (HFC) Refrigerant market?

What factors are driving Hydrofluorocarbon (HFC) Refrigerant market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Hydrofluorocarbon (HFC) Refrigerant market opportunities vary by end market

size?

How does Hydrofluorocarbon (HFC) Refrigerant break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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