

# Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/GAC018328419EN.html>

Date: March 2025

Pages: 153

Price: US\$ 3,200.00 (Single User License)

ID: GAC018328419EN

## Abstracts

### Report Overview

Hydrofluoroolefins (HFOs) Series Refrigerants are a new generation of refrigerants that have been developed as alternatives to traditional hydrofluorocarbons (HFCs) and chlorofluorocarbons (CFCs). HFOs are characterized by their low global warming potential (GWP) and ozone depletion potential (ODP), making them environmentally friendly options for various cooling and refrigeration applications. These refrigerants are being increasingly adopted by industries and consumers looking to comply with regulations aimed at reducing greenhouse gas emissions and protecting the ozone layer. HFOs are known for their high energy efficiency, thermal stability, and compatibility with existing cooling systems, making them a popular choice in the HVAC&R sector.

The market for HFOs Series Refrigerants is experiencing significant growth driven by several key factors. One of the primary drivers is the increasing regulatory pressure to phase out high-GWP refrigerants such as HFCs. Regulations like the Kigali Amendment to the Montreal Protocol and the European Union's F-Gas Regulation are pushing industries to transition to low-GWP alternatives like HFOs. Additionally, the growing awareness of environmental issues among consumers and businesses is leading to a shift towards sustainable and eco-friendly refrigeration solutions. The expanding demand for air conditioning and refrigeration systems in emerging economies, coupled with the rapid technological advancements in the HVAC&R industry, are further fueling the market growth for HFOs Series Refrigerants.

This report provides a deep insight into the global Hydrofluoroolefins (HFOs) Series Refrigerant market covering all its essential aspects. This ranges from a macro

overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Hydrofluoroolefins (HFOs) Series Refrigerant Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Hydrofluoroolefins (HFOs) Series Refrigerant market in any manner.

#### Global Hydrofluoroolefins (HFOs) Series Refrigerant Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

Honeywell

Chemours

Linde Gas

Arkema

#### Market Segmentation (by Type)

HFO-1234yf

HFO-1234ze

Others

Market Segmentation (by Application)

Air Conditioners

Heat Pump

Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Hydrofluoroolefins (HFOs) Series Refrigerant Market

Overview of the regional outlook of the Hydrofluoroolefins (HFOs) Series Refrigerant Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Hydrofluoroolefins (HFOs) Series Refrigerant Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream

and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### Table of Contents

#### 1 Research Methodology and Statistical Scope

##### 1.1 Market Definition and Statistical Scope of Hydrofluoroolefins (HFOs) Series Refrigerant

##### 1.2 Key Market Segments

##### 1.2.1 Hydrofluoroolefins (HFOs) Series Refrigerant Segment by Type

##### 1.2.2 Hydrofluoroolefins (HFOs) Series Refrigerant Segment by Application

##### 1.3 Methodology & Sources of Information

##### 1.3.1 Research Methodology

##### 1.3.2 Research Process

##### 1.3.3 Market Breakdown and Data Triangulation

##### 1.3.4 Base Year

##### 1.3.5 Report Assumptions & Caveats

#### 2 Hydrofluoroolefins (HFOs) Series Refrigerant Market Overview

##### 2.1 Global Market Overview

##### 2.1.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD) Estimates and Forecasts (2020-2033)

##### 2.1.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Estimates and Forecasts (2020-2033)

##### 2.2 Market Segment Executive Summary

##### 2.3 Global Market Size by Region

#### 3 Hydrofluoroolefins (HFOs) Series Refrigerant Market Competitive Landscape

##### 3.1 Company Assessment Quadrant

##### 3.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Product Life Cycle

##### 3.3 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Manufacturers (2020-2025)

##### 3.4 Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue Market Share by Manufacturers (2020-2025)

##### 3.5 Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

##### 3.6 Global Hydrofluoroolefins (HFOs) Series Refrigerant Average Price by Manufacturers (2020-2025)

##### 3.7 Manufacturers Hydrofluoroolefins (HFOs) Series Refrigerant Manufacturing Sites, Area Served, Product Type

##### 3.8 Hydrofluoroolefins (HFOs) Series Refrigerant Market Competitive Situation and Trends

##### 3.8.1 Hydrofluoroolefins (HFOs) Series Refrigerant Market Concentration Rate

3.8.2 Global 5 and 10 Largest Hydrofluoroolefins (HFOs) Series Refrigerant Players  
Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 Hydrofluoroolefins (HFOs) Series Refrigerant Industry Chain Analysis

4.1 Hydrofluoroolefins (HFOs) Series Refrigerant Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 The Development and Dynamics of Hydrofluoroolefins (HFOs) Series Refrigerant  
Market

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Porter's Five Forces  
Analysis

5.6.1 Global Trade Frictions

5.6.2 Global Trade Frictions and Their Impacts to Hydrofluoroolefins (HFOs) Series  
Refrigerant Market

5.7 ESG Ratings of Leading Companies

6 Hydrofluoroolefins (HFOs) Series Refrigerant Market Segmentation by Type

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Type  
(2020-2025)

6.3 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by  
Type (2020-2025)

6.4 Global Hydrofluoroolefins (HFOs) Series Refrigerant Price by Type (2020-2025)

7 Hydrofluoroolefins (HFOs) Series Refrigerant Market Segmentation by Application

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Sales by Application



(2020-2025)

7.3 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD) by Application (2020-2025)

7.4 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Growth Rate by Application (2020-2025)

8 Hydrofluoroolefins (HFOs) Series Refrigerant Market Sales by Region

8.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region

8.1.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region

8.1.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Region

8.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region

8.2.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region

8.2.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Region

8.3 North America

8.3.1 North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country

8.3.2 North America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country

8.4.2 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region

8.5.2 Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country

## 8.6.2 South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country

### 8.6.3 Brazil Market Overview

### 8.6.4 Argentina Market Overview

### 8.6.5 Columbia Market Overview

## 8.7 Middle East and Africa

### 8.7.1 Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region

### 8.7.2 Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region

### 8.7.3 Saudi Arabia Market Overview

### 8.7.4 UAE Market Overview

### 8.7.5 Egypt Market Overview

### 8.7.6 Nigeria Market Overview

### 8.7.7 South Africa Market Overview

## 9 Hydrofluoroolefins (HFOs) Series Refrigerant Market Production by Region

### 9.1 Global Production of Hydrofluoroolefins (HFOs) Series Refrigerant by Region(2020-2025)

### 9.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue Market Share by Region (2020-2025)

### 9.3 Global Hydrofluoroolefins (HFOs) Series Refrigerant Production, Revenue, Price and Gross Margin (2020-2025)

### 9.4 North America Hydrofluoroolefins (HFOs) Series Refrigerant Production

#### 9.4.1 North America Hydrofluoroolefins (HFOs) Series Refrigerant Production Growth Rate (2020-2025)

#### 9.4.2 North America Hydrofluoroolefins (HFOs) Series Refrigerant Production, Revenue, Price and Gross Margin (2020-2025)

### 9.5 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Production

#### 9.5.1 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Production Growth Rate (2020-2025)

#### 9.5.2 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Production, Revenue, Price and Gross Margin (2020-2025)

### 9.6 Japan Hydrofluoroolefins (HFOs) Series Refrigerant Production (2020-2025)

#### 9.6.1 Japan Hydrofluoroolefins (HFOs) Series Refrigerant Production Growth Rate (2020-2025)

#### 9.6.2 Japan Hydrofluoroolefins (HFOs) Series Refrigerant Production, Revenue, Price and Gross Margin (2020-2025)

### 9.7 China Hydrofluoroolefins (HFOs) Series Refrigerant Production (2020-2025)

#### 9.7.1 China Hydrofluoroolefins (HFOs) Series Refrigerant Production Growth Rate

(2020-2025)

9.7.2 China Hydrofluoroolefins (HFOs) Series Refrigerant Production, Revenue, Price and Gross Margin (2020-2025)

10 Key Companies Profile

10.1 Honeywell

10.1.1 Honeywell Basic Information

10.1.2 Honeywell Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview

10.1.3 Honeywell Hydrofluoroolefins (HFOs) Series Refrigerant Product Market Performance

10.1.4 Honeywell Business Overview

10.1.5 Honeywell SWOT Analysis

10.1.6 Honeywell Recent Developments

10.2 Chemours

10.2.1 Chemours Basic Information

10.2.2 Chemours Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview

10.2.3 Chemours Hydrofluoroolefins (HFOs) Series Refrigerant Product Market Performance

10.2.4 Chemours Business Overview

10.2.5 Chemours SWOT Analysis

10.2.6 Chemours Recent Developments

10.3 Linde Gas

10.3.1 Linde Gas Basic Information

10.3.2 Linde Gas Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview

10.3.3 Linde Gas Hydrofluoroolefins (HFOs) Series Refrigerant Product Market Performance

10.3.4 Linde Gas Business Overview

10.3.5 Linde Gas SWOT Analysis

10.3.6 Linde Gas Recent Developments

10.4 Arkema

10.4.1 Arkema Basic Information

10.4.2 Arkema Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview

10.4.3 Arkema Hydrofluoroolefins (HFOs) Series Refrigerant Product Market Performance

10.4.4 Arkema Business Overview

10.4.5 Arkema Recent Developments

11 Hydrofluoroolefins (HFOs) Series Refrigerant Market Forecast by Region

11.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast

11.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

|                                                                                                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|
| 11.2.2 Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country                                             |  |
| 11.2.3 Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Region                                        |  |
| 11.2.4 South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country                                      |  |
| 11.2.5 Middle East and Africa Forecasted Sales of Hydrofluoroolefins (HFOs) Series Refrigerant by Country                              |  |
| 12 Forecast Market by Type and by Application (2026-2033)                                                                              |  |
| 12.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Forecast by Type (2026-2033)                                           |  |
| 12.1.1 Global Forecasted Sales of Hydrofluoroolefins (HFOs) Series Refrigerant by Type (2026-2033)                                     |  |
| 12.1.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Type (2026-2033)                                    |  |
| 12.1.3 Global Forecasted Price of Hydrofluoroolefins (HFOs) Series Refrigerant by Type (2026-2033)                                     |  |
| 12.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Forecast by Application (2026-2033)                                    |  |
| 12.2.1 Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) Forecast by Application                                        |  |
| 12.2.2 Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD) Forecast by Application (2026-2033)                     |  |
| 13 Conclusion and Key Findings                                                                                                         |  |
| List of Tables                                                                                                                         |  |
| Table 1. Introduction of the Type                                                                                                      |  |
| Table 2. Introduction of the Application                                                                                               |  |
| Table 3. Market Size (M USD) Segment Executive Summary                                                                                 |  |
| Table 4. Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Comparison by Region (M USD)                                         |  |
| Table 5. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) by Manufacturers (2020-2025)                                 |  |
| Table 6. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Manufacturers (2020-2025)                           |  |
| Table 7. Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue (M USD) by Manufacturers (2020-2025)                              |  |
| Table 8. Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue Share by Manufacturers (2020-2025)                                |  |
| Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Hydrofluoroolefins (HFOs) Series Refrigerant as of 2024) |  |

Table 10. Global Market Hydrofluoroolefins (HFOs) Series Refrigerant Average Price (USD/MT) of Key Manufacturers (2020-2025)

Table 11. Manufacturers Hydrofluoroolefins (HFOs) Series Refrigerant Manufacturing Sites and Area Served

Table 12. Manufacturers Hydrofluoroolefins (HFOs) Series Refrigerant Product Type

Table 13. Global Hydrofluoroolefins (HFOs) Series Refrigerant Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Hydrofluoroolefins (HFOs) Series Refrigerant Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Type (K MT)

Table 25. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Type (M USD)

Table 26. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) by Type (2020-2025)

Table 27. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Type (2020-2025)

Table 28. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD) by Type (2020-2025)

Table 29. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Share by Type (2020-2025)

Table 30. Global Hydrofluoroolefins (HFOs) Series Refrigerant Price (USD/MT) by Type (2020-2025)

Table 31. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) by Application

Table 32. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Application

Table 33. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Application (2020-2025) & (K MT)

Table 34. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Application (2020-2025)

Table 35. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by

Application (2020-2025) & (M USD)

Table 36. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Application (2020-2025)

Table 37. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Growth Rate by Application (2020-2025)

Table 38. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region (2020-2025) & (K MT)

Table 39. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Region (2020-2025)

Table 40. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region (2020-2025) & (M USD)

Table 41. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Region (2020-2025)

Table 42. North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country (2020-2025) & (K MT)

Table 43. North America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country (2020-2025) & (M USD)

Table 44. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country (2020-2025) & (K MT)

Table 45. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country (2020-2025) & (M USD)

Table 46. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region (2020-2025) & (K MT)

Table 47. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region (2020-2025) & (M USD)

Table 48. South America Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Country (2020-2025) & (K MT)

Table 49. South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country (2020-2025) & (M USD)

Table 50. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales by Region (2020-2025) & (K MT)

Table 51. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Region (2020-2025) & (M USD)

Table 52. Global Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT) by Region(2020-2025)

Table 53. Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue Market Share by Region (2020-2025)



|                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table 55. Global Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)        |
| Table 56. North America Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025) |
| Table 57. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)        |
| Table 58. Japan Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)         |
| Table 59. China Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)         |
| Table 60. Honeywell Basic Information                                                                                                                       |
| Table 61. Honeywell Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview                                                                           |
| Table 62. Honeywell Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)                 |
| Table 63. Honeywell Business Overview                                                                                                                       |
| Table 64. Honeywell SWOT Analysis                                                                                                                           |
| Table 65. Honeywell Recent Developments                                                                                                                     |
| Table 66. Chemours Basic Information                                                                                                                        |
| Table 67. Chemours Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview                                                                            |
| Table 68. Chemours Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)                  |
| Table 69. Chemours Business Overview                                                                                                                        |
| Table 70. Chemours SWOT Analysis                                                                                                                            |
| Table 71. Chemours Recent Developments                                                                                                                      |
| Table 72. Linde Gas Basic Information                                                                                                                       |
| Table 73. Linde Gas Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview                                                                           |
| Table 74. Linde Gas Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)                 |
| Table 75. Linde Gas Business Overview                                                                                                                       |
| Table 76. Linde Gas SWOT Analysis                                                                                                                           |
| Table 77. Linde Gas Recent Developments                                                                                                                     |
| Table 78. Arkema Basic Information                                                                                                                          |
| Table 79. Arkema Hydrofluoroolefins (HFOs) Series Refrigerant Product Overview                                                                              |
| Table 80. Arkema Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)                    |
| Table 81. Arkema Business Overview                                                                                                                          |
| Table 82. Arkema Recent Developments                                                                                                                        |
| Table 83. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Region (2026-2033) & (K MT)                                                 |

Table 84. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Region (2026-2033) & (M USD)

Table 85. North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Country (2026-2033) & (K MT)

Table 86. North America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country (2026-2033) & (M USD)

Table 87. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Country (2026-2033) & (K MT)

Table 88. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country (2026-2033) & (M USD)

Table 89. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Region (2026-2033) & (K MT)

Table 90. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Region (2026-2033) & (M USD)

Table 91. South America Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Country (2026-2033) & (K MT)

Table 92. South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country (2026-2033) & (M USD)

Table 93. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Country (2026-2033) & (Units)

Table 94. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Country (2026-2033) & (M USD)

Table 95. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Type (2026-2033) & (K MT)

Table 96. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Type (2026-2033) & (M USD)

Table 97. Global Hydrofluoroolefins (HFOs) Series Refrigerant Price Forecast by Type (2026-2033) & (USD/MT)

Table 98. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) Forecast by Application (2026-2033)

Table 99. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Application (2026-2033) & (M USD)

#### List of Figures

Figure 1. Product Picture of Hydrofluoroolefins (HFOs) Series Refrigerant

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD), 2024-2033

Figure 5. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD)



(2020-2033)

Figure 6. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Hydrofluoroolefins (HFOs) Series Refrigerant Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Hydrofluoroolefins (HFOs) Series Refrigerant Product Life Cycle

Figure 13. Hydrofluoroolefins (HFOs) Series Refrigerant Sales Share by Manufacturers in 2024

Figure 14. Global Hydrofluoroolefins (HFOs) Series Refrigerant Revenue Share by Manufacturers in 2024

Figure 15. Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Hydrofluoroolefins (HFOs) Series Refrigerant Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Hydrofluoroolefins (HFOs) Series Refrigerant Revenue in 2024

Figure 18. Industry Chain Map of Hydrofluoroolefins (HFOs) Series Refrigerant

Figure 19. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market PEST Analysis

Figure 20. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Type

Figure 27. Sales Market Share of Hydrofluoroolefins (HFOs) Series Refrigerant by Type (2020-2025)

Figure 28. Sales Market Share of Hydrofluoroolefins (HFOs) Series Refrigerant by Type in 2024

Figure 29. Market Size Share of Hydrofluoroolefins (HFOs) Series Refrigerant by Type (2020-2025)

Figure 30. Market Size Share of Hydrofluoroolefins (HFOs) Series Refrigerant by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Application

Figure 33. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Application (2020-2025)

Figure 34. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Application in 2024

Figure 35. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Application (2020-2025)

Figure 36. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share by Application in 2024

Figure 37. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Growth Rate by Application (2020-2025)

Figure 38. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Region (2020-2025)

Figure 39. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Region (2020-2025)

Figure 40. North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Country in 2024

Figure 43. North America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Country in 2024

Figure 45. U.S. Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Hydrofluoroolefins (HFOs) Series Refrigerant Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Hydrofluoroolefins (HFOs) Series Refrigerant Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Hydrofluoroolefins (HFOs) Series Refrigerant Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate

(2020-2025) & (K MT)

Figure 52. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Country in 2024

Figure 53. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Country in 2024

Figure 55. Germany Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Region in 2024

Figure 67. Asia Pacific Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Region in 2024

Figure 68. China Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (K MT)

Figure 79. South America Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Country in 2024

Figure 80. South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (M USD)

Figure 81. South America Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Country in 2024

Figure 82. Brazil Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market

Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Hydrofluoroolefins (HFOs) Series Refrigerant Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Hydrofluoroolefins (HFOs) Series Refrigerant Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Hydrofluoroolefins (HFOs) Series Refrigerant Production Market Share by Region (2020-2025)

Figure 103. North America Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT) Growth Rate (2020-2025)

Figure 106. China Hydrofluoroolefins (HFOs) Series Refrigerant Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share Forecast by Type (2026-2033)

Figure 111. Global Hydrofluoroolefins (HFOs) Series Refrigerant Sales Forecast by Application (2026-2033)

Figure 112. Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Share Forecast by Application (2026-2033)



## I would like to order

Product name: Global Hydrofluoroolefins (HFOs) Series Refrigerant Market Research Report 2025(Status and Outlook)

Product link: <https://marketpublishers.com/r/GAC018328419EN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAC018328419EN.html>