

Global HFO Refrigerant Market Growth 2024-2030

<https://marketpublishers.com/r/G61DDA3C42EBEN.html>

Date: January 2024

Pages: 109

Price: US\$ 3,660.00 (Single User License)

ID: G61DDA3C42EBEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global HFO Refrigerant market size was valued at US\$ million in 2023. With growing demand in downstream market, the HFO Refrigerant is forecast to a readjusted size of US\$ million by 2030 with a CAGR of % during review period.

The research report highlights the growth potential of the global HFO Refrigerant market. HFO Refrigerant are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of HFO Refrigerant. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the HFO Refrigerant market.

HFOs (hydrofluoro-olefins) are the fourth generation of fluorine-based gases. HFC refrigerants are composed of hydrogen, fluorine and carbon atoms connected by single bonds between the atoms. HFO refrigerants are composed of hydrogen, fluorine and carbon atoms but contain at least one double bond between the carbon atoms.

The first HFO, jointly developed by DuPont and Honeywell, is HFO 1234yf which is sold under the brand names Opteon YF and SOLSTICE yf. This is a low GWP (Global Warming Potential) replacement for R134a for use in mobile air conditioning (MAC) systems in the automotive sector.

HFO refrigerants are categorised as having zero ODP (Ozone Depletion Potential) and low GWP and so offer a more environmentally friendly alternative to CFCs, HCFCs and HFCs.

Key Features:

The report on HFO Refrigerant market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the HFO Refrigerant market. It may include historical data, market segmentation by Type (e.g., R1234yf, R1234ze), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the HFO Refrigerant market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the HFO Refrigerant market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the HFO Refrigerant industry. This include advancements in HFO Refrigerant technology, HFO Refrigerant new entrants, HFO Refrigerant new investment, and other innovations that are shaping the future of HFO Refrigerant.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the HFO Refrigerant market. It includes factors influencing customer ' purchasing decisions, preferences for HFO Refrigerant product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the HFO Refrigerant market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting HFO Refrigerant market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental

impact and sustainability aspects of the HFO Refrigerant market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the HFO Refrigerant industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the HFO Refrigerant market.

Market Segmentation:

HFO Refrigerant 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.

Segmentation by type

R1234yf

R1234ze

R1234zd

Others

Segmentation by application

Automotive

Air Conditioner Appliances

Others

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.

Honeywell

Chemours

Linde Gas

Gas Servei

Mitsubishi Electric

Climalife

Nippon Gases

Arkema

Huanxin Fluoro

Zhejiang Juhua Co.,Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global HFO Refrigerant market?

What factors are driving HFO Refrigerant market growth, globally and by region?

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

How do HFO Refrigerant market opportunities vary by end market size?

How does HFO Refrigerant break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global HFO Refrigerant Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for HFO Refrigerant by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for HFO Refrigerant by Country/Region, 2019, 2023 & 2030

2.2 HFO Refrigerant Segment by Type

- 2.2.1 R1234yf
- 2.2.2 R1234ze
- 2.2.3 R1234zd
- 2.2.4 Others

2.3 HFO Refrigerant Sales by Type

- 2.3.1 Global HFO Refrigerant Sales Market Share by Type (2019-2024)
- 2.3.2 Global HFO Refrigerant Revenue and Market Share by Type (2019-2024)
- 2.3.3 Global HFO Refrigerant Sale Price by Type (2019-2024)

2.4 HFO Refrigerant Segment by Application

- 2.4.1 Automotive
- 2.4.2 Air Conditioner Appliances
- 2.4.3 Others

2.5 HFO Refrigerant Sales by Application

- 2.5.1 Global HFO Refrigerant Sale Market Share by Application (2019-2024)
- 2.5.2 Global HFO Refrigerant Revenue and Market Share by Application (2019-2024)
- 2.5.3 Global HFO Refrigerant Sale Price by Application (2019-2024)

3 GLOBAL HFO REFRIGERANT BY COMPANY

- 3.1 Global HFO Refrigerant Breakdown Data by Company
 - 3.1.1 Global HFO Refrigerant Annual Sales by Company (2019-2024)
 - 3.1.2 Global HFO Refrigerant Sales Market Share by Company (2019-2024)
- 3.2 Global HFO Refrigerant Annual Revenue by Company (2019-2024)
 - 3.2.1 Global HFO Refrigerant Revenue by Company (2019-2024)
 - 3.2.2 Global HFO Refrigerant Revenue Market Share by Company (2019-2024)
- 3.3 Global HFO Refrigerant Sale Price by Company
- 3.4 Key Manufacturers HFO Refrigerant Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers HFO Refrigerant Product Location Distribution
 - 3.4.2 Players HFO Refrigerant Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR HFO REFRIGERANT BY GEOGRAPHIC REGION

- 4.1 World Historic HFO Refrigerant Market Size by Geographic Region (2019-2024)
 - 4.1.1 Global HFO Refrigerant Annual Sales by Geographic Region (2019-2024)
 - 4.1.2 Global HFO Refrigerant Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic HFO Refrigerant Market Size by Country/Region (2019-2024)
 - 4.2.1 Global HFO Refrigerant Annual Sales by Country/Region (2019-2024)
 - 4.2.2 Global HFO Refrigerant Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas HFO Refrigerant Sales Growth
- 4.4 APAC HFO Refrigerant Sales Growth
- 4.5 Europe HFO Refrigerant Sales Growth
- 4.6 Middle East & Africa HFO Refrigerant Sales Growth

5 AMERICAS

- 5.1 Americas HFO Refrigerant Sales by Country
 - 5.1.1 Americas HFO Refrigerant Sales by Country (2019-2024)
 - 5.1.2 Americas HFO Refrigerant Revenue by Country (2019-2024)
- 5.2 Americas HFO Refrigerant Sales by Type

5.3 Americas HFO Refrigerant Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC HFO Refrigerant Sales by Region

6.1.1 APAC HFO Refrigerant Sales by Region (2019-2024)

6.1.2 APAC HFO Refrigerant Revenue by Region (2019-2024)

6.2 APAC HFO Refrigerant Sales by Type

6.3 APAC HFO Refrigerant Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe HFO Refrigerant by Country

7.1.1 Europe HFO Refrigerant Sales by Country (2019-2024)

7.1.2 Europe HFO Refrigerant Revenue by Country (2019-2024)

7.2 Europe HFO Refrigerant Sales by Type

7.3 Europe HFO Refrigerant Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa HFO Refrigerant by Country

8.1.1 Middle East & Africa HFO Refrigerant Sales by Country (2019-2024)

8.1.2 Middle East & Africa HFO Refrigerant Revenue by Country (2019-2024)

- 8.2 Middle East & Africa HFO Refrigerant Sales by Type
- 8.3 Middle East & Africa HFO Refrigerant Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of HFO Refrigerant
- 10.3 Manufacturing Process Analysis of HFO Refrigerant
- 10.4 Industry Chain Structure of HFO Refrigerant

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 HFO Refrigerant Distributors
- 11.3 HFO Refrigerant Customer

12 WORLD FORECAST REVIEW FOR HFO REFRIGERANT BY GEOGRAPHIC REGION

- 12.1 Global HFO Refrigerant Market Size Forecast by Region
 - 12.1.1 Global HFO Refrigerant Forecast by Region (2025-2030)
 - 12.1.2 Global HFO Refrigerant Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country

12.6 Global HFO Refrigerant Forecast by Type

12.7 Global HFO Refrigerant Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Honeywell

13.1.1 Honeywell Company Information

13.1.2 Honeywell HFO Refrigerant Product Portfolios and Specifications

13.1.3 Honeywell HFO Refrigerant Sales, Revenue, Price and Gross Margin
(2019-2024)

13.1.4 Honeywell Main Business Overview

13.1.5 Honeywell Latest Developments

13.2 Chemours

13.2.1 Chemours Company Information

13.2.2 Chemours HFO Refrigerant Product Portfolios and Specifications

13.2.3 Chemours HFO Refrigerant Sales, Revenue, Price and Gross Margin
(2019-2024)

13.2.4 Chemours Main Business Overview

13.2.5 Chemours Latest Developments

13.3 Linde Gas

13.3.1 Linde Gas Company Information

13.3.2 Linde Gas HFO Refrigerant Product Portfolios and Specifications

13.3.3 Linde Gas HFO Refrigerant Sales, Revenue, Price and Gross Margin
(2019-2024)

13.3.4 Linde Gas Main Business Overview

13.3.5 Linde Gas Latest Developments

13.4 Gas Servei

13.4.1 Gas Servei Company Information

13.4.2 Gas Servei HFO Refrigerant Product Portfolios and Specifications

13.4.3 Gas Servei HFO Refrigerant Sales, Revenue, Price and Gross Margin
(2019-2024)

13.4.4 Gas Servei Main Business Overview

13.4.5 Gas Servei Latest Developments

13.5 Mitsubishi Electric

13.5.1 Mitsubishi Electric Company Information

13.5.2 Mitsubishi Electric HFO Refrigerant Product Portfolios and Specifications

13.5.3 Mitsubishi Electric HFO Refrigerant Sales, Revenue, Price and Gross Margin
(2019-2024)

13.5.4 Mitsubishi Electric Main Business Overview

13.5.5 Mitsubishi Electric Latest Developments

13.6 Climalife

13.6.1 Climalife Company Information

13.6.2 Climalife HFO Refrigerant Product Portfolios and Specifications

13.6.3 Climalife HFO Refrigerant Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Climalife Main Business Overview

13.6.5 Climalife Latest Developments

13.7 Nippon Gases

13.7.1 Nippon Gases Company Information

13.7.2 Nippon Gases HFO Refrigerant Product Portfolios and Specifications

13.7.3 Nippon Gases HFO Refrigerant Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Nippon Gases Main Business Overview

13.7.5 Nippon Gases Latest Developments

13.8 Arkema

13.8.1 Arkema Company Information

13.8.2 Arkema HFO Refrigerant Product Portfolios and Specifications

13.8.3 Arkema HFO Refrigerant Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Arkema Main Business Overview

13.8.5 Arkema Latest Developments

13.9 Huanxin Fluoro

13.9.1 Huanxin Fluoro Company Information

13.9.2 Huanxin Fluoro HFO Refrigerant Product Portfolios and Specifications

13.9.3 Huanxin Fluoro HFO Refrigerant Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Huanxin Fluoro Main Business Overview

13.9.5 Huanxin Fluoro Latest Developments

13.10 Zhejiang Juhua Co.,Ltd.

13.10.1 Zhejiang Juhua Co.,Ltd. Company Information

13.10.2 Zhejiang Juhua Co.,Ltd. HFO Refrigerant Product Portfolios and Specifications

13.10.3 Zhejiang Juhua Co.,Ltd. HFO Refrigerant Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Zhejiang Juhua Co.,Ltd. Main Business Overview

13.10.5 Zhejiang Juhua Co.,Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. HFO Refrigerant Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. HFO Refrigerant Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of R1234yf

Table 4. Major Players of R1234ze

Table 5. Major Players of R1234zd

Table 6. Major Players of Others

Table 7. Global HFO Refrigerant Sales by Type (2019-2024) & (Tons)

Table 8. Global HFO Refrigerant Sales Market Share by Type (2019-2024)

Table 9. Global HFO Refrigerant Revenue by Type (2019-2024) & (\$ million)

Table 10. Global HFO Refrigerant Revenue Market Share by Type (2019-2024)

Table 11. Global HFO Refrigerant Sale Price by Type (2019-2024) & (US\$/Ton)

Table 12. Global HFO Refrigerant Sales by Application (2019-2024) & (Tons)

Table 13. Global HFO Refrigerant Sales Market Share by Application (2019-2024)

Table 14. Global HFO Refrigerant Revenue by Application (2019-2024)

Table 15. Global HFO Refrigerant Revenue Market Share by Application (2019-2024)

Table 16. Global HFO Refrigerant Sale Price by Application (2019-2024) & (US\$/Ton)

Table 17. Global HFO Refrigerant Sales by Company (2019-2024) & (Tons)

Table 18. Global HFO Refrigerant Sales Market Share by Company (2019-2024)

Table 19. Global HFO Refrigerant Revenue by Company (2019-2024) (\$ Millions)

Table 20. Global HFO Refrigerant Revenue Market Share by Company (2019-2024)

Table 21. Global HFO Refrigerant Sale Price by Company (2019-2024) & (US\$/Ton)

Table 22. Key Manufacturers HFO Refrigerant Producing Area Distribution and Sales Area

Table 23. Players HFO Refrigerant Products Offered

Table 24. HFO Refrigerant Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 25. New Products and Potential Entrants

Table 26. Mergers & Acquisitions, Expansion

Table 27. Global HFO Refrigerant Sales by Geographic Region (2019-2024) & (Tons)

Table 28. Global HFO Refrigerant Sales Market Share Geographic Region (2019-2024)

Table 29. Global HFO Refrigerant Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 30. Global HFO Refrigerant Revenue Market Share by Geographic Region (2019-2024)

- Table 31. Global HFO Refrigerant Sales by Country/Region (2019-2024) & (Tons)
- Table 32. Global HFO Refrigerant Sales Market Share by Country/Region (2019-2024)
- Table 33. Global HFO Refrigerant Revenue by Country/Region (2019-2024) & (\$ millions)
- Table 34. Global HFO Refrigerant Revenue Market Share by Country/Region (2019-2024)
- Table 35. Americas HFO Refrigerant Sales by Country (2019-2024) & (Tons)
- Table 36. Americas HFO Refrigerant Sales Market Share by Country (2019-2024)
- Table 37. Americas HFO Refrigerant Revenue by Country (2019-2024) & (\$ Millions)
- Table 38. Americas HFO Refrigerant Revenue Market Share by Country (2019-2024)
- Table 39. Americas HFO Refrigerant Sales by Type (2019-2024) & (Tons)
- Table 40. Americas HFO Refrigerant Sales by Application (2019-2024) & (Tons)
- Table 41. APAC HFO Refrigerant Sales by Region (2019-2024) & (Tons)
- Table 42. APAC HFO Refrigerant Sales Market Share by Region (2019-2024)
- Table 43. APAC HFO Refrigerant Revenue by Region (2019-2024) & (\$ Millions)
- Table 44. APAC HFO Refrigerant Revenue Market Share by Region (2019-2024)
- Table 45. APAC HFO Refrigerant Sales by Type (2019-2024) & (Tons)
- Table 46. APAC HFO Refrigerant Sales by Application (2019-2024) & (Tons)
- Table 47. Europe HFO Refrigerant Sales by Country (2019-2024) & (Tons)
- Table 48. Europe HFO Refrigerant Sales Market Share by Country (2019-2024)
- Table 49. Europe HFO Refrigerant Revenue by Country (2019-2024) & (\$ Millions)
- Table 50. Europe HFO Refrigerant Revenue Market Share by Country (2019-2024)
- Table 51. Europe HFO Refrigerant Sales by Type (2019-2024) & (Tons)
- Table 52. Europe HFO Refrigerant Sales by Application (2019-2024) & (Tons)
- Table 53. Middle East & Africa HFO Refrigerant Sales by Country (2019-2024) & (Tons)
- Table 54. Middle East & Africa HFO Refrigerant Sales Market Share by Country (2019-2024)
- Table 55. Middle East & Africa HFO Refrigerant Revenue by Country (2019-2024) & (\$ Millions)
- Table 56. Middle East & Africa HFO Refrigerant Revenue Market Share by Country (2019-2024)
- Table 57. Middle East & Africa HFO Refrigerant Sales by Type (2019-2024) & (Tons)
- Table 58. Middle East & Africa HFO Refrigerant Sales by Application (2019-2024) & (Tons)
- Table 59. Key Market Drivers & Growth Opportunities of HFO Refrigerant
- Table 60. Key Market Challenges & Risks of HFO Refrigerant
- Table 61. Key Industry Trends of HFO Refrigerant
- Table 62. HFO Refrigerant Raw Material
- Table 63. Key Suppliers of Raw Materials

- Table 64. HFO Refrigerant Distributors List
- Table 65. HFO Refrigerant Customer List
- Table 66. Global HFO Refrigerant Sales Forecast by Region (2025-2030) & (Tons)
- Table 67. Global HFO Refrigerant Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 68. Americas HFO Refrigerant Sales Forecast by Country (2025-2030) & (Tons)
- Table 69. Americas HFO Refrigerant Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 70. APAC HFO Refrigerant Sales Forecast by Region (2025-2030) & (Tons)
- Table 71. APAC HFO Refrigerant Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 72. Europe HFO Refrigerant Sales Forecast by Country (2025-2030) & (Tons)
- Table 73. Europe HFO Refrigerant Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 74. Middle East & Africa HFO Refrigerant Sales Forecast by Country (2025-2030) & (Tons)
- Table 75. Middle East & Africa HFO Refrigerant Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 76. Global HFO Refrigerant Sales Forecast by Type (2025-2030) & (Tons)
- Table 77. Global HFO Refrigerant Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 78. Global HFO Refrigerant Sales Forecast by Application (2025-2030) & (Tons)
- Table 79. Global HFO Refrigerant Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 80. Honeywell Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors
- Table 81. Honeywell HFO Refrigerant Product Portfolios and Specifications
- Table 82. Honeywell HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 83. Honeywell Main Business
- Table 84. Honeywell Latest Developments
- Table 85. Chemours Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors
- Table 86. Chemours HFO Refrigerant Product Portfolios and Specifications
- Table 87. Chemours HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 88. Chemours Main Business
- Table 89. Chemours Latest Developments
- Table 90. Linde Gas Basic Information, HFO Refrigerant Manufacturing Base, Sales

Area and Its Competitors

Table 91. Linde Gas HFO Refrigerant Product Portfolios and Specifications

Table 92. Linde Gas HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 93. Linde Gas Main Business

Table 94. Linde Gas Latest Developments

Table 95. Gas Servei Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 96. Gas Servei HFO Refrigerant Product Portfolios and Specifications

Table 97. Gas Servei HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 98. Gas Servei Main Business

Table 99. Gas Servei Latest Developments

Table 100. Mitsubishi Electric Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 101. Mitsubishi Electric HFO Refrigerant Product Portfolios and Specifications

Table 102. Mitsubishi Electric HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 103. Mitsubishi Electric Main Business

Table 104. Mitsubishi Electric Latest Developments

Table 105. Climalife Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 106. Climalife HFO Refrigerant Product Portfolios and Specifications

Table 107. Climalife HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 108. Climalife Main Business

Table 109. Climalife Latest Developments

Table 110. Nippon Gases Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 111. Nippon Gases HFO Refrigerant Product Portfolios and Specifications

Table 112. Nippon Gases HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 113. Nippon Gases Main Business

Table 114. Nippon Gases Latest Developments

Table 115. Arkema Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 116. Arkema HFO Refrigerant Product Portfolios and Specifications

Table 117. Arkema HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 118. Arkema Main Business

Table 119. Arkema Latest Developments

Table 120. Huanxin Fluoro Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 121. Huanxin Fluoro HFO Refrigerant Product Portfolios and Specifications

Table 122. Huanxin Fluoro HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 123. Huanxin Fluoro Main Business

Table 124. Huanxin Fluoro Latest Developments

Table 125. Zhejiang Juhua Co.,Ltd. Basic Information, HFO Refrigerant Manufacturing Base, Sales Area and Its Competitors

Table 126. Zhejiang Juhua Co.,Ltd. HFO Refrigerant Product Portfolios and Specifications

Table 127. Zhejiang Juhua Co.,Ltd. HFO Refrigerant Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 128. Zhejiang Juhua Co.,Ltd. Main Business

Table 129. Zhejiang Juhua Co.,Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of HFO Refrigerant
- Figure 2. HFO Refrigerant Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global HFO Refrigerant Sales Growth Rate 2019-2030 (Tons)
- Figure 7. Global HFO Refrigerant Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. HFO Refrigerant Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of R1234yf
- Figure 10. Product Picture of R1234ze
- Figure 11. Product Picture of R1234zd
- Figure 12. Product Picture of Others
- Figure 13. Global HFO Refrigerant Sales Market Share by Type in 2023
- Figure 14. Global HFO Refrigerant Revenue Market Share by Type (2019-2024)
- Figure 15. HFO Refrigerant Consumed in Automotive
- Figure 16. Global HFO Refrigerant Market: Automotive (2019-2024) & (Tons)
- Figure 17. HFO Refrigerant Consumed in Air Conditioner Appliances
- Figure 18. Global HFO Refrigerant Market: Air Conditioner Appliances (2019-2024) & (Tons)
- Figure 19. HFO Refrigerant Consumed in Others
- Figure 20. Global HFO Refrigerant Market: Others (2019-2024) & (Tons)
- Figure 21. Global HFO Refrigerant Sales Market Share by Application (2023)
- Figure 22. Global HFO Refrigerant Revenue Market Share by Application in 2023
- Figure 23. HFO Refrigerant Sales Market by Company in 2023 (Tons)
- Figure 24. Global HFO Refrigerant Sales Market Share by Company in 2023
- Figure 25. HFO Refrigerant Revenue Market by Company in 2023 (\$ Million)
- Figure 26. Global HFO Refrigerant Revenue Market Share by Company in 2023
- Figure 27. Global HFO Refrigerant Sales Market Share by Geographic Region (2019-2024)
- Figure 28. Global HFO Refrigerant Revenue Market Share by Geographic Region in 2023
- Figure 29. Americas HFO Refrigerant Sales 2019-2024 (Tons)
- Figure 30. Americas HFO Refrigerant Revenue 2019-2024 (\$ Millions)
- Figure 31. APAC HFO Refrigerant Sales 2019-2024 (Tons)
- Figure 32. APAC HFO Refrigerant Revenue 2019-2024 (\$ Millions)

- Figure 33. Europe HFO Refrigerant Sales 2019-2024 (Tons)
- Figure 34. Europe HFO Refrigerant Revenue 2019-2024 (\$ Millions)
- Figure 35. Middle East & Africa HFO Refrigerant Sales 2019-2024 (Tons)
- Figure 36. Middle East & Africa HFO Refrigerant Revenue 2019-2024 (\$ Millions)
- Figure 37. Americas HFO Refrigerant Sales Market Share by Country in 2023
- Figure 38. Americas HFO Refrigerant Revenue Market Share by Country in 2023
- Figure 39. Americas HFO Refrigerant Sales Market Share by Type (2019-2024)
- Figure 40. Americas HFO Refrigerant Sales Market Share by Application (2019-2024)
- Figure 41. United States HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 42. Canada HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 43. Mexico HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 44. Brazil HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 45. APAC HFO Refrigerant Sales Market Share by Region in 2023
- Figure 46. APAC HFO Refrigerant Revenue Market Share by Regions in 2023
- Figure 47. APAC HFO Refrigerant Sales Market Share by Type (2019-2024)
- Figure 48. APAC HFO Refrigerant Sales Market Share by Application (2019-2024)
- Figure 49. China HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 50. Japan HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 51. South Korea HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 52. Southeast Asia HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 53. India HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 54. Australia HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 55. China Taiwan HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 56. Europe HFO Refrigerant Sales Market Share by Country in 2023
- Figure 57. Europe HFO Refrigerant Revenue Market Share by Country in 2023
- Figure 58. Europe HFO Refrigerant Sales Market Share by Type (2019-2024)
- Figure 59. Europe HFO Refrigerant Sales Market Share by Application (2019-2024)
- Figure 60. Germany HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 61. France HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 62. UK HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 63. Italy HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 64. Russia HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)
- Figure 65. Middle East & Africa HFO Refrigerant Sales Market Share by Country in 2023
- Figure 66. Middle East & Africa HFO Refrigerant Revenue Market Share by Country in 2023
- Figure 67. Middle East & Africa HFO Refrigerant Sales Market Share by Type (2019-2024)
- Figure 68. Middle East & Africa HFO Refrigerant Sales Market Share by Application

(2019-2024)

Figure 69. Egypt HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)

Figure 70. South Africa HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Israel HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Turkey HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)

Figure 73. GCC Country HFO Refrigerant Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Manufacturing Cost Structure Analysis of HFO Refrigerant in 2023

Figure 75. Manufacturing Process Analysis of HFO Refrigerant

Figure 76. Industry Chain Structure of HFO Refrigerant

Figure 77. Channels of Distribution

Figure 78. Global HFO Refrigerant Sales Market Forecast by Region (2025-2030)

Figure 79. Global HFO Refrigerant Revenue Market Share Forecast by Region
(2025-2030)

Figure 80. Global HFO Refrigerant Sales Market Share Forecast by Type (2025-2030)

Figure 81. Global HFO Refrigerant Revenue Market Share Forecast by Type
(2025-2030)

Figure 82. Global HFO Refrigerant Sales Market Share Forecast by Application
(2025-2030)

Figure 83. Global HFO Refrigerant Revenue Market Share Forecast by Application
(2025-2030)

I would like to order

Product name: Global HFO Refrigerant Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G61DDA3C42EBEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G61DDA3C42EBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970