

Refrigerant Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/R4D4A76DFDCEN.html>

Date: January 2023

Pages: 106

Price: US\$ 2,499.00 (Single User License)

ID: R4D4A76DFDCEN

Abstracts

The global refrigerant market size reached US\$ 18.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 30.6 Billion by 2028, exhibiting a growth rate (CAGR) of 9.76% during 2023-2028.

Refrigerants are chemical mixtures of fluids and gases that function as a cooling agent in refrigeration cycles and heat pumps. They are most commonly used in freezers and air conditioners across various sectors including residential, commercial and automotive. They work on the concept of phase transition that involves the transformation of liquid to gas at adjustable operating temperatures and vice versa. They can be used either as primary solutions in condensation, compression, evaporation and expansion or as secondary solutions to transport thermal energy from one medium to another.

The rapid growth of the consumer electronics sector and increasing demand for domestic air conditioning systems are among the key factors driving the global market. Growing energy demand along with the awareness regarding the adverse effects of refrigerants on the environment has led to the development of energy-efficient cooling systems in domestic and industrial sectors. This has led to a significant change in the composition of refrigerant gases. For instance, conventionally, chlorofluorocarbons (CFCs) were used as refrigerants but owing to their ozone depleting effects they are increasingly being replaced by sulfur dioxide ammonia and non-halogenated hydrocarbons that are considered more environment-friendly. In addition to this, the rising demand for air conditioning systems in automobiles is also driving the market further. Moreover, the increasing requirement of deep freezers and refrigerators from the cold chain market has augmented the demand for refrigerants in the food and beverage industry. Other factors influencing the market growth include rapid

industrialization and infrastructural development along with the improved standards of living.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global refrigerant market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type and application.

Breakup by Product Type:

- Fluorocarbon
- Inorganic
- Hydrocarbon
- Others

Breakup by Application:

- Commercial
- Industrial
- Domestic
- Others

Breakup by Region:

- Europe
- North America
- Asia Pacific
- Middle East and Africa
- Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Honeywell International Inc., Daikin Industries Ltd, Arkema S A, Dongyue Group, The Chemours Company, Orbia Advance Corporation S.A.B. de CV, Sinochem Group, Air Liquide, AGC Group, Linde Group, SRF Limited, Gujarat Fluorochemicals Limited, etc.

IMARC Group's latest report provides a deep insight into the global refrigerant market

covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the global refrigerant market in any manner.

Key Questions Answered in This Report

1. What was the size of the global refrigerant market in 2022?
2. What is the expected growth rate of the global refrigerant market during 2023-2028?
3. What are the key factors driving the global refrigerant market?
4. What has been the impact of COVID-19 on the global refrigerant market?
5. What is the breakup of the global refrigerant market based on the product type?
6. What are the key regions in the global refrigerant market?
7. Who are the key players/companies in the global refrigerant market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL REFRIGERANT MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Region
- 5.7 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Fluorocarbon
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Inorganic

- 6.2.1 Market Trends
- 6.2.2 Market Forecast
- 6.3 Hydrocarbon
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Commercial
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Industrial
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Domestic
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 Europe
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 North America
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Asia Pacific
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Middle East and Africa
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Latin America

8.5.1 Market Trends

8.5.2 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

12.1 Price Indicators

12.2 Price Structure

12.3 Margin Analysis

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Honeywell International Inc.

13.3.2 Daikin Industries Ltd

13.3.3 Arkema S A

13.3.4 Dongyue Group

13.3.5 The Chemours Company

13.3.6 Orbia Advance Corporation S.A.B. de CV

- 13.3.7 Sinochem Group
- 13.3.8 Air Liquide
- 13.3.9 AGC Group
- 13.3.10 Linde Group
- 13.3.11 SRF Limited
- 13.3.12 Gujarat Fluorochemicals Limited

List Of Tables

LIST OF TABLES

Table 1: Global: Refrigerant Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Refrigerant Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Refrigerant Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Refrigerant Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Refrigerant Market Structure

Table 6: Global: Refrigerant Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Refrigerant Market: Major Drivers and Challenges
- Figure 2: Global: Refrigerant Market: Sales Value (in Billion US\$), 2017 - 2022
- Figure 3: Global: Refrigerant Market: Breakup by Product Type (in %), 2022
- Figure 4: Global: Refrigerant Market: Breakup by Application (in %), 2022
- Figure 5: Global: Refrigerant Market: Breakup by Region (in %), 2022
- Figure 6: Global: Refrigerant Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 7: Global: Refrigerant Industry: SWOT Analysis
- Figure 8: Global: Refrigerant Industry: Value Chain Analysis
- Figure 9: Global: Refrigerant Industry: Porter's Five Forces Analysis
- Figure 10: Global: Refrigerant (Fluorocarbon) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Refrigerant (Fluorocarbon) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Refrigerant (Inorganic) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Refrigerant (Inorganic) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Refrigerant (Hydrocarbon) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Refrigerant (Hydrocarbon) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Refrigerant (Other Product Types) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Refrigerant (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Refrigerant (Commercial) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Refrigerant (Commercial) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Refrigerant (Industrial) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 21: Global: Refrigerant (Industrial) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 22: Global: Refrigerant (Domestic) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Refrigerant (Domestic) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Refrigerant (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Refrigerant (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Europe: Refrigerant Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Europe: Refrigerant Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: North America: Refrigerant Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: North America: Refrigerant Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Asia Pacific: Refrigerant Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Asia Pacific: Refrigerant Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Middle East and Africa: Refrigerant Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Middle East and Africa: Refrigerant Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Latin America: Refrigerant Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Latin America: Refrigerant Market Forecast: Sales Value (in Million US\$), 2023-2028

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