

Global R-744 Refrigerants Market Growth 2025-2031

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Abstracts

The global R-744 Refrigerants market size is predicted to grow from US\$ 760 million in 2025 to US\$ 1478 million in 2031; it is expected to grow at a CAGR of 11.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

R-744 refrigerant is a natural refrigerant composed of carbon dioxide (CO₂), valued for its environmental benefits (zero ozone depletion potential and minimal global warming potential). It is widely used in commercial refrigeration, heat pumps, and automotive air conditioning, with notable growth in the EU and Japanese markets.

United States market for R-744 Refrigerants is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for R-744 Refrigerants is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for R-744 Refrigerants is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key R-744 Refrigerants players cover Linde Gas, Air Products, Air Liquide, Messer, Praxair, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "R-744 Refrigerants Industry Forecast" looks at past sales and reviews total world R-744 Refrigerants sales in 2024,

providing a comprehensive analysis by region and market sector of projected R-744 Refrigerants sales for 2025 through 2031. With R-744 Refrigerants sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world R-744 Refrigerants industry.

This Insight Report provides a comprehensive analysis of the global R-744 Refrigerants 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 R-744 Refrigerants portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global R-744 Refrigerants market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for R-744 Refrigerants 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 R-744 Refrigerants.

This report presents a comprehensive overview, market shares, and growth opportunities of R-744 Refrigerants market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

?99.5%

?99.9%

Segmentation by Application:

Refrigerator & Freezer

Air Conditioner

Other

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 analysing the company's coverage, product portfolio, its market penetration.

Linde Gas

Air Products

Air Liquide

Messer

Praxair

Taiyo Nippon Sanso

Showa Denko

Juhua Group

Sinochem Lantian

Jinhong Gas

Huate Gas

SOL Group

Key Questions Addressed in this Report

What is the 10-year outlook for the global R-744 Refrigerants market?

What factors are driving R-744 Refrigerants market growth, globally and by region?

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

How do R-744 Refrigerants market opportunities vary by end market size?

How does R-744 Refrigerants break out by Type, by Application?

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