

Global Direct Fired Vaporizers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Direct Fired Vaporizers market size was valued at US\$ 298 million in 2025 and is forecast to a readjusted size of US\$ 451 million by 2032 with a CAGR of 6.1% during review period.

In 2025, global Direct Fired Vaporizer output reached about 9 million units and global capacity of around 11 million units. The average price is about USD 32 per unit, with gross margins near 32%. Direct Fired Vaporizers (DFVs) are industrial vaporizers used to convert cryogenic liquids such as LNG, LPG, liquid nitrogen, liquid oxygen, or liquid ammonia into gas by applying heat generated from direct combustion, typically using natural gas, propane, or fuel oil burners. In a DFV system, the cryogenic fluid flows through heat exchange coils immersed in a water bath or exposed to combustion-heated surfaces, where thermal energy rapidly vaporizes the liquid into gaseous form for downstream industrial, energy, petrochemical, marine, or utility applications. The supply chain for Direct Fired Vaporizers begins upstream with raw material and component suppliers providing stainless steel, carbon steel, aluminum alloys, burners, heat exchangers, control valves, pumps, pressure regulators, PLC automation systems, instrumentation, insulation materials, and combustion control equipment. Midstream participants include engineered equipment manufacturers and EPC companies that design, fabricate, assemble, and test the vaporizer systems according to cryogenic and pressure vessel standards such as ASME, API, and ISO. Distribution channels involve industrial gas equipment suppliers, LNG terminal integrators, cryogenic infrastructure contractors, and energy engineering firms that install and commission the systems. Downstream demand mainly comes from LNG import terminals, peak-shaving facilities, gas utilities, petrochemical plants, power generation stations, steel mills, marine bunkering infrastructure, industrial gas companies, and large manufacturing facilities

requiring high-capacity gasification of cryogenic liquids.

This report is a detailed and comprehensive analysis for global Direct Fired Vaporizers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Direct Fired Vaporizers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Fired Vaporizers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Fired Vaporizers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Fired Vaporizers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Direct Fired Vaporizers
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Direct Fired Vaporizers market based on the following parameters - company overview, sales quantity, revenue, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Linde, Chart Industries, Mitsubishi Heavy Industries, Kawasaki Heavy Industries, IHI Corporation, Ebara Corporation, Kobelco, Cryostar, INOXCVA, Cryonorm, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Direct Fired Vaporizers market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Manual Control DFV

Semi-Automatic DFV

Fully Automated DFV

Market segment by Operating Pressure

50 bar

Market segment by Application

LNG Terminals

Power Generation

Oil & Gas

Industrial Gas

Others

Major players covered

Linde

Chart Industries

Mitsubishi Heavy Industries

Kawasaki Heavy Industries

IHI Corporation

Ebara Corporation

Kobelco

Cryostar

INOXCVA

Cryonorm

Cryeng Group

Cryogas Equipment

Wessington Cryogenics

Cryotec Anlagenbau

Fiba Technologies

Auyan New Energy Technology

Holy Cryogenic Equipment

Hangzhou Oxygen Plant Group

CIMC Enric

Furui CIT

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Direct Fired Vaporizers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Direct Fired Vaporizers, with price, sales quantity, revenue, and global market share of Direct Fired Vaporizers from 2021 to 2026.

Chapter 3, the Direct Fired Vaporizers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Direct Fired Vaporizers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Direct Fired Vaporizers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Direct Fired Vaporizers.

Chapter 14 and 15, to describe Direct Fired Vaporizers sales channel, distributors, customers, research findings and conclusion.

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