

Global Direct Fired Vaporizers Market Growth 2026-2032

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Abstracts

The global Direct Fired Vaporizers market size is predicted to grow from US\$ 284 million in 2025 to US\$ 438 million in 2032; it is expected to grow at a CAGR of 6.4% from 2026 to 2032.

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.

United States market for Direct Fired Vaporizers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Direct Fired Vaporizers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Direct Fired Vaporizers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Direct Fired Vaporizers players cover Linde, Chart Industries, Mitsubishi Heavy Industries, Kawasaki Heavy Industries, IHI Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Direct Fired Vaporizers Industry Forecast" looks at past sales and reviews total world Direct Fired Vaporizers sales in 2025, providing a comprehensive analysis by region and market sector of projected Direct Fired Vaporizers sales for 2026 through 2032. With Direct Fired Vaporizers sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Direct Fired Vaporizers industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Direct Fired Vaporizers 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 Direct Fired Vaporizers.

This report presents a comprehensive overview, market shares, and growth opportunities of Direct Fired Vaporizers market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Manual Control DFV

Semi-Automatic DFV

Fully Automated DFV

Segmentation by Operating Pressure:

50 bar

Segmentation by Application:

LNG Terminals

Power Generation

Oil & Gas

Industrial Gas

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

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

Key Questions Addressed in this Report

What is the 10-year outlook for the global Direct Fired Vaporizers market?

What factors are driving Direct Fired Vaporizers market growth, globally and by region?

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

How do Direct Fired Vaporizers market opportunities vary by end market size?

How does Direct Fired Vaporizers break out by Type, by Application?

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