

# Global Type IV Pressure Vessels Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Type IV Pressure Vessels market size will reach 642.23 Million USD in 2025 and is projected to reach 2,367.81 Million USD by 2032, with a CAGR of 20.49% (2025-2032). Notably, the China Type IV Pressure Vessels market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Type IV pressure vessels are advanced containers used for storing compressed gases or liquids under high pressure. Unlike traditional pressure vessels, which are typically constructed from metal materials, Type IV vessels utilize a composite structure consisting of a polymer liner and a filament-wound composite overwrap. The polymer liner provides a barrier to contain the compressed gas or liquid, while the filament-wound composite overwrap, typically made of carbon fiber or fiberglass, adds strength and durability to the vessel. This design offers several advantages over conventional pressure vessels, including lighter weight, higher strength-to-weight ratio, and superior resistance to corrosion and fatigue. Type IV pressure vessels are commonly used in applications such as compressed natural gas (CNG) storage for vehicles, hydrogen fuel storage for fuel cell vehicles, and industrial gas storage. Their lightweight and durable construction make them ideal for applications where weight reduction, safety, and performance are critical considerations.

The major global manufacturers of Type IV Pressure Vessels include Luxfer Group,

ILJIN Hysolus, Faber Industrie, Worthington Industries, Hexagon Purus, Umoe Advanced Composites, NPROXX, Kautex Maschinenbau, Steelhead Composites, Quantum Fuel Systems, Faurecia CLD Safety Technology (Shenyang), Beijing Tianhai Industry, Shandong Auyan New Energy Technology, Sinoma Science & Technology, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Type IV Pressure Vessels. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Type IV Pressure Vessels market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Type IV Pressure Vessels market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Type IV Pressure Vessels industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Type IV Pressure Vessels Include:

Luxfer Group

ILJIN Hysolus

Faber Industrie

Worthington Industries

Hexagon Purus

Umoe Advanced Composites

NPROXX

Kautex Maschinenbau

Steelhead Composites

Quantum Fuel Systems

Faurecia CLD Safety Technology (Shenyang)

Beijing Tianhai Industry

Shandong Auyan New Energy Technology

Sinoma Science & Technology

Type IV Pressure Vessels Product Segment Include:

Carbon Fiber

Glass Fiber

Others

Type IV Pressure Vessels Product Application Include:

CNG Storage Tank

LPG Storage Tank

Hydrogen Storage Tank

Others

## **Chapter Scope**

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