

# Global High Pressure Hydrogen Storage Tank Valve Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global High Pressure Hydrogen Storage Tank Valve market size is expected to reach \$ 1494 million by 2032, rising at a market growth of 31.8% CAGR during the forecast period (2026-2032).

The High Pressure Hydrogen Storage Tank Valve is engineered to facilitate the secure containment and controlled release of hydrogen gas at elevated pressures. It ensures the integrity of the storage tank by preventing leaks and maintaining pressure stability, while also enabling precise control over hydrogen flow. The valve is designed to withstand the extreme conditions associated with high-pressure hydrogen storage, incorporating robust materials and engineering principles to guarantee safety and reliability. In 2025, global High Pressure Hydrogen Storage Tank Valve production reached approximately 1069.2 k units with an average global market price of around US\$200 per unit.

The High Pressure Hydrogen Storage Tank Valve industry is witnessing a series of developments from the perspective of corporate revenue and profit. Key trends include technological innovation driving the enhancement of valve materials for safety and durability under high-pressure conditions, the establishment of industry standards and the adoption of third-party certifications to elevate product quality, the expansion of the hydrogen market leading to a significant increase in market scale, and a commitment to cost reduction and competitiveness through technological advancement and scaled production. The advancement of intelligent and automated technologies is boosting operational efficiency and the intelligent monitoring and maintenance capabilities of the valves. Additionally, companies are actively seeking to expand into global markets and adapt to stricter environmental regulations, ensuring compliance with more stringent performance requirements. These factors collectively contribute to the industry's move

towards a path of high-quality, efficient, and international growth, offering enterprises continuous growth momentum and profit potential.

This report studies the global High Pressure Hydrogen Storage Tank Valve production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Pressure Hydrogen Storage Tank Valve and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Pressure Hydrogen Storage Tank Valve that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global High Pressure Hydrogen Storage Tank Valve total production and demand, 2021-2032, (K Units)

Global High Pressure Hydrogen Storage Tank Valve total production value, 2021-2032, (USD Million)

Global High Pressure Hydrogen Storage Tank Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global High Pressure Hydrogen Storage Tank Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: High Pressure Hydrogen Storage Tank Valve domestic production, consumption, key domestic manufacturers and share

Global High Pressure Hydrogen Storage Tank Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global High Pressure Hydrogen Storage Tank Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global High Pressure Hydrogen Storage Tank Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global High Pressure Hydrogen Storage Tank Valve market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GFI, OMB Saleri, Luxfer, Hilite International, HAMAI, Fujikin, Shanghai Shunhua New Energy System, Hanhydrogen Power (Zhuhai) Technology, Guangzhou Panqi Technology, Jiangsu Shentong, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Pressure Hydrogen Storage Tank Valve market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global High Pressure Hydrogen Storage Tank Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Pressure Hydrogen Storage Tank Valve Market, Segmentation by Type:

35MPa

70MPa

Global High Pressure Hydrogen Storage Tank Valve Market, Segmentation by Structural Design:

Straight-through Hydrogen Cylinder Valve

Angle-type Hydrogen Cylinder Valve

Global High Pressure Hydrogen Storage Tank Valve Market, Segmentation by Actuation Method:

Manual Actuated Valve

Electrically Actuated Valve

Pneumatic Actuated Valve

Global High Pressure Hydrogen Storage Tank Valve Market, Segmentation by Application:

Vehicle Hydrogen Storage Tank

Hydrogen Refueling Station Hydrogen Storage System

Stationary Hydrogen Storage Container

Others

**Companies Profiled:**

GFI

OMB Saleri

Luxfer

Hilite International

HAMAI

Fujikin

Shanghai Shunhua New Energy System

Hanhydrogen Power (Zhuhai) Technology

Guangzhou Panqi Technology

Jiangsu Shentong

Zhangjiagang Furui Special Equipment

Shanghai FTXT Energy Technology

**Key Questions Answered:**

1. How big is the global High Pressure Hydrogen Storage Tank Valve market?
2. What is the demand of the global High Pressure Hydrogen Storage Tank Valve market?
3. What is the year over year growth of the global High Pressure Hydrogen Storage Tank Valve market?
4. What is the production and production value of the global High Pressure Hydrogen Storage Tank Valve market?
5. Who are the key producers in the global High Pressure Hydrogen Storage Tank Valve market?
6. What are the growth factors driving the market demand?

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