

Global Hydrogen Cylinder Valve Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Hydrogen Cylinder Valve market size is expected to reach \$ 2985 million by 2032, rising at a market growth of 34.2% CAGR during the forecast period (2026-2032).

The Hydrogen Cylinder Valve is a critical component designed to ensure the safe and controlled release of hydrogen gas from cylinders, maintaining the integrity of the cylinder system and preventing any unauthorized leakage. It is engineered to handle the unique properties of hydrogen, such as its high flammability and low density, with precision and reliability. The valve is constructed with robust materials and features a fail-safe mechanism to guarantee the cylinder's sealing integrity under various operating conditions, thereby ensuring the safe storage and handling of hydrogen gas. In 2025, global Hydrogen Cylinder Valve production reached approximately 1674 k units with an average global market price of around US\$220 per unit.

The Hydrogen Cylinder Valve industry is experiencing a period of dynamic growth, with several key trends shaping its future. Technological advancements are propelling the evolution of valve materials, enhancing their pressure resistance, corrosion resistance, and safety features. The integration of intelligent and automated technologies is boosting operational efficiency and reducing maintenance costs, while also improving safety. The global expansion of hydrogen infrastructure and the diversification of hydrogen applications are driving the market's continued expansion, offering businesses significant market opportunities. Environmental regulations are prompting the industry to transition towards more sustainable materials, and the introduction of customized solutions is increasing product value. The expansion into global markets and the optimization of the supply chain are enhancing competitiveness. Amidst heightened competition, continuous investment in research and development is crucial for maintaining technological leadership and meeting the increasing safety standards

and certifications, ensuring profitability and market position within the industry.

This report studies the global Hydrogen Cylinder Valve production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hydrogen Cylinder 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 Hydrogen Cylinder Valve that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hydrogen Cylinder Valve total production and demand, 2021-2032, (K Units)

Global Hydrogen Cylinder Valve total production value, 2021-2032, (USD Million)

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

Global Hydrogen Cylinder Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Hydrogen Cylinder Valve domestic production, consumption, key domestic manufacturers and share

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

Global Hydrogen Cylinder Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Hydrogen Cylinder Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Hydrogen Cylinder 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 OMB Saleri, GFI, Luxfer, Hamai Industries

Limited, Poppe + Potthoff, GSR Ventiltechnik, Rotarex, Schrader Pacific, TK-FUJIKIN, M?ller Gas Equipment, 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 Hydrogen Cylinder 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 Hydrogen Cylinder Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hydrogen Cylinder Valve Market, Segmentation by Type:

35MPA

50MPA

70MPA

Others

Global Hydrogen Cylinder Valve Market, Segmentation by Material:

Stainless Steel

Alloy Steel

Others

Global Hydrogen Cylinder Valve Market, Segmentation by Actuation Method:

Manual Valve

Solenoid Valve

Global Hydrogen Cylinder Valve Market, Segmentation by Application:

Vehicle Hydrogen Storage Tank

Hydrogen Refueling Station Hydrogen Storage System

Stationary Hydrogen Storage Container

Others

Companies Profiled:

OMB Saleri

GFI

Luxfer

Hamai Industries Limited

Poppe + Potthoff

GSR Ventiltechnik

Rotarex

Schrader Pacific

TK-FUJIKIN

M?ller Gas Equipment

Cavagna Group

Shanghai Shunhua New Energy System

Jiangsu Shentong

Zhangjiagang Furui Va

Shanghai FTXT Energy Technology

Hanhydrogen Power (Zhuhai) Technology

Key Questions Answered:

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

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