

Global Vehicle On-Board Hydrogen Storage System Bottle Valve Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Vehicle On-Board Hydrogen Storage System Bottle Valve market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A Vehicle On-Board Hydrogen Storage System (OBHSS) bottle valve is a critical component in hydrogen fuel cell vehicles. It plays a key role in ensuring the safe and efficient storage, regulation, and dispensing of hydrogen gas from the high-pressure storage tanks.

This report is a detailed and comprehensive analysis for global Vehicle On-Board Hydrogen Storage System Bottle Valve 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 Vehicle On-Board Hydrogen Storage System Bottle Valve market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle On-Board Hydrogen Storage System Bottle Valve market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle On-Board Hydrogen Storage System Bottle Valve market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle On-Board Hydrogen Storage System Bottle Valve market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Vehicle On-Board Hydrogen Storage System Bottle Valve
- 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 Vehicle On-Board Hydrogen Storage System Bottle Valve 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 OMB Saleri S.P.A., Metatron S.p.A, Westport Fuel Systems (GFI), JTEKT, HAMAI, Hornung GmbH, Emerson, Boiswood Ltd, TK-FUJIKIN, Rotarex, etc.

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

Market Segmentation

Vehicle On-Board Hydrogen Storage System Bottle Valve market is split by Type and by Application. For the period 2020-2031, 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

35MPa Bottle Valve

70MPa Bottle Valve

Market segment by Application

Passenger Car

Commercial Vehicle

Major players covered

OMB Saleri S.P.A.

Metatron S.p.A

Westport Fuel Systems (GFI)

JTEKT

HAMAI

Hornung GmbH

Emerson

Boiswood Ltd

TK-FUJIKIN

Rotarex

Swagelok

WEH GmbH Gas Technology

Kawasaki Heavy Industries

STech

SUNWISE

Furui Group

Jiangsu Shentong Valve Co., Ltd

Shanghai Hanhe Power Technology Co., Ltd.

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 Vehicle On-Board Hydrogen Storage System Bottle Valve product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vehicle On-Board Hydrogen Storage System Bottle Valve, with price, sales quantity, revenue, and global market share of Vehicle On-Board Hydrogen Storage System Bottle Valve from 2020 to 2025.

Chapter 3, the Vehicle On-Board Hydrogen Storage System Bottle Valve competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vehicle On-Board Hydrogen Storage System Bottle Valve breakdown

data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Vehicle On-Board Hydrogen Storage System Bottle Valve market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Vehicle On-Board Hydrogen Storage System Bottle Valve.

Chapter 14 and 15, to describe Vehicle On-Board Hydrogen Storage System Bottle Valve sales channel, distributors, customers, research findings and conclusion.

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