

Global Hydrogen Solenoid Valve for Fluid Control Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Hydrogen Solenoid Valve for Fluid Control market size was valued at US\$ 1033 million in 2025 and is forecast to a readjusted size of US\$ 1352 million by 2032 with a CAGR of 3.9% during review period.

In 2025, global Hydrogen Solenoid Valve for Fluid Control production reached approximately 5577 k units with an average global market price of around US\$180 per unit. Single-line annual production capacity averages 100 k units with a gross margin of approximately 23.08-24.5%. The upstream of the Hydrogen Solenoid Valve for Fluid Control industry is focused on precision manufacturing and electromagnetic component fields, with materials accounting for approximately 60% of the total. In downstream applications, hydrogen transportation accounts for 30%, hydrogen storage for 25%, hydrogen refueling stations for 40%, and others for 5%. The development of the hydrogen energy industry is driving the growth in demand for Hydrogen Solenoid Valve for Fluid Control, with particularly strong demand for the construction of hydrogen refueling stations. As the hydrogen energy infrastructure is perfected, the market potential for Hydrogen Solenoid Valve for Fluid Control is substantial, with technological innovation and supply chain upgrading being the key to capturing market opportunities for enterprises.

The Hydrogen Solenoid Valve for Fluid Control is a critical component designed to manage the flow of fluids with precision, incorporating features that ensure efficient operation and robust performance in hydrogen environments. It features a compact and durable construction, capable of withstanding the unique challenges posed by hydrogen gas, such as its high thermal conductivity and potential for leakage. The valve's design

allows for rapid and reliable actuation, which is essential for maintaining consistent flow rates and pressure levels. It also incorporates advanced sealing technologies to prevent any hydrogen leakage, which is crucial for safety and environmental reasons. The valve's ability to handle a wide range of hydrogen concentrations and temperatures makes it a versatile solution for various fluid control applications.

This report is a detailed and comprehensive analysis for global Hydrogen Solenoid Valve for Fluid Control 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 Hydrogen Solenoid Valve for Fluid Control market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Hydrogen Solenoid Valve for Fluid Control market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Hydrogen Solenoid Valve for Fluid Control market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Hydrogen Solenoid Valve for Fluid Control market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Hydrogen Solenoid Valve for Fluid Control
- 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 Hydrogen Solenoid Valve for Fluid Control 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 Nova Swiss, Parker, B?rkert, INDUS Holding, Clark Cooper, CKD, GSR Valve, Eugen Seitz, SMC, IMI Norgren, etc.

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

Market Segmentation

Hydrogen Solenoid Valve for Fluid Control market is split by Type and by Application. For the period 2021-2032, 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

Normally Closed Solenoid Valve

Normally Open Solenoid Valve

Market segment by Driving Method

Pilot-operated Solenoid Valve

Direct-acting Solenoid Valve

Market segment by Application

Hydrogen Transportation

Hydrogen Storage

Hydrogen Refuelling Station

Others

Major players covered

Nova Swiss

Parker

B?rkert

INDUS Holding

Clark Cooper

CKD

GSR Valve

Eugen Seitz

SMC

IMI Norgren

OMB SALERI

Bitron

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:

Global Hydrogen Solenoid Valve for Fluid Control Market 2026 by Manufacturers, Regions, Type and Application,...

Chapter 1, to describe Hydrogen Solenoid Valve for Fluid Control product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hydrogen Solenoid Valve for Fluid Control, with price, sales quantity, revenue, and global market share of Hydrogen Solenoid Valve for Fluid Control from 2021 to 2026.

Chapter 3, the Hydrogen Solenoid Valve for Fluid Control competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hydrogen Solenoid Valve for Fluid Control breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Hydrogen Solenoid Valve for Fluid Control market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Hydrogen Solenoid Valve for Fluid Control.

Chapter 14 and 15, to describe Hydrogen Solenoid Valve for Fluid Control sales channel, distributors, customers, research findings and conclusion.

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