

Global Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid Valve market size was valued at US\$ 119 million in 2025 and is forecast to a readjusted size of US\$ 168 million by 2032 with a CAGR of 5.1% during review period.

In 2025, the production volume of straight-through pulse solenoid valves is projected to reach 21.979 million units, with an average selling price of \$5.25 per unit. The global annual production capacity for straight-through pulse solenoid valves stands at approximately 30 million units, with a gross margin of approximately 23.25%. The straight-through pulse solenoid valve is a common type of electromagnetically controlled valve characterized by the direct passage of fluid through the valve body—bypassing any pilot ports or diaphragm-assisted mechanisms—and by a valve core that is directly actuated by an electromagnetic coil. This type of solenoid valve achieves valve opening and closing through the interplay of electromagnetic force and spring force; it features rapid response times, a simple structure, and the ability to operate under zero or low-pressure conditions, making it well-suited for low-flow applications. Upstream raw materials for straight-through pulse solenoid valves include various metal materials, electronic components, sealing materials, and more. The midstream segment consists of the manufacturers of these valves, while the downstream market is primarily concentrated in industries such as food processing, automotive, and petrochemicals.

The current market for straight-through pulse solenoid valves is in a mature phase of steady growth, driven primarily by the rigid demand for dust removal equipment and automation control systems within downstream industrial sectors—particularly food processing, automotive, and petrochemicals. The competitive landscape is characterized by the dominance of a few internationally renowned manufacturers,

alongside the active participation of numerous regional enterprises. Furthermore, the industry's growth is bolstered by increasingly stringent environmental regulations worldwide, which are fueling a rising demand for high-performance products capable of enhancing dust removal efficiency and achieving ultra-low emission standards.

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

Global Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid 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 Straight-Through Pulse Solenoid 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 Danfoss, Viking Group, A. A. u. K. M?ller, Emerson, Hansen Technologies, AUTOMAX, Avcon Controls, Parker, Castel, SANHUA, etc.

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

Market Segmentation

Straight-Through Pulse Solenoid Valve 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

Direct Acting Solenoid Valve

Indirect Acting Solenoid Valve

Market segment by Valve Body Material

Copper

Stainless Steel

Aluminum Alloy

Market segment by Number of Valve Channels

Two-Way Straight-Through Solenoid Valve

Three-Way Straight-Through Solenoid Valve

Market segment by Medium Characteristics

Inline Solenoid Valve for Gas

Inline Solenoid Valve for Liquid

Inline Solenoid Valve for Steam

Market segment by Application

Food

Automotive

Petrochemical

Electrical

Others

Major players covered

Danfoss

Viking Group

A A. u. K. M?ller

Emerson

Hansen Technologies

AUTOMAX

Avcon Controls

Parker

Castel

SANHUA

SMARTECH

XIE CHANG

Nova Swiss

Chongqing naishi valve

Sanlixin

CBVAC

TOOE VALVE GROUP

DunAn

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 Straight-Through Pulse Solenoid Valve product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Straight-Through Pulse Solenoid Valve, with price, sales quantity, revenue, and global market share of Straight-Through Pulse Solenoid Valve from 2021 to 2026.

Chapter 3, the Straight-Through Pulse Solenoid Valve competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid Valve 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 Straight-Through Pulse Solenoid Valve.

Chapter 14 and 15, to describe Straight-Through Pulse Solenoid Valve sales channel, distributors, customers, research findings and conclusion.

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