

Global Straight-Through Pulse Solenoid Valve Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Straight-Through Pulse Solenoid Valve market size is expected to reach \$ 168 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

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 studies the global Straight-Through Pulse Solenoid Valve production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Straight-Through Pulse Solenoid 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 Straight-Through Pulse Solenoid Valve that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Straight-Through Pulse Solenoid Valve total production and demand, 2021-2032, (K Units)

Global Straight-Through Pulse Solenoid Valve total production value, 2021-2032, (USD Million)

Global Straight-Through Pulse Solenoid Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Straight-Through Pulse Solenoid Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Straight-Through Pulse Solenoid Valve domestic production, consumption, key domestic manufacturers and share

Global Straight-Through Pulse Solenoid Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Straight-Through Pulse Solenoid Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Straight-Through Pulse Solenoid Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Straight-Through Pulse Solenoid 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Straight-Through Pulse Solenoid 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 Straight-Through Pulse Solenoid Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Straight-Through Pulse Solenoid Valve Market, Segmentation by Type:

Direct Acting Solenoid Valve

Indirect Acting Solenoid Valve

Global Straight-Through Pulse Solenoid Valve Market, Segmentation by Valve Body Material:

Copper

Stainless Steel

Aluminum Alloy

Global Straight-Through Pulse Solenoid Valve Market, Segmentation by Number of Valve Channels:

Two-Way Straight-Through Solenoid Valve

Three-Way Straight-Through Solenoid Valve

Global Straight-Through Pulse Solenoid Valve Market, Segmentation by Medium Characteristics:

Inline Solenoid Valve for Gas

Inline Solenoid Valve for Liquid

Inline Solenoid Valve for Steam

Global Straight-Through Pulse Solenoid Valve Market, Segmentation by Application:

Food

Automotive

Petrochemical

Electrical

Others

Companies Profiled:

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

Key Questions Answered:

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

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