

# Global High Flow Solenoid Valve Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global High Flow Solenoid Valve market size is expected to reach \$ 11395 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

High-flow-rate solenoid valves refer to solenoid valves with a larger diameter and a rated flow rate significantly higher than conventional standards. They achieve high-speed on/off control of fluid through pilot-operated structures or large-orifice direct-acting designs, with flow rates reaching over 480 L/min. Their core advantage lies in driving large-flow media with relatively low power, making them widely used in hydraulic systems, industrial automation, and fluid control.

Upstream industries mainly include suppliers of core components such as solenoid coils, valve body castings, sealing materials, and springs, as well as manufacturers of precision machining equipment. Downstream industries cover end-users in sectors such as construction machinery, metallurgy and mining, petrochemicals, water treatment, and automotive manufacturing, with applications achieved through equipment integration, engineering projects, and after-sales maintenance channels. The global unit price of a high-flow-rate solenoid valve is \$190, with annual sales of approximately 38.32 million units and a global annual production capacity of 45 million units. The industry profit margin is 25%.

The global high-flow solenoid valve market will evolve in a synergistic pattern of intelligent integration, energy efficiency, and scenario-specific specialization. Technologically, products are evolving from simple on/off control to intelligent actuators integrating sensors and digital communication technologies, supporting predictive maintenance and remote monitoring to meet the interconnectivity requirements of

Industry 4.0. Pilot-operated structures continue to dominate due to their advantage of driving high flow rates with relatively low power, and combined with low-power coil designs, significantly reduce energy consumption. In terms of materials, the application of stainless steel and engineering polymers is expanding, improving corrosion resistance and chemical compatibility to meet harsh operating conditions. Application areas are extending from traditional industries to new energy, medical equipment, and precision instruments, with miniaturization and high-reliability design becoming the focus of competition. The Asia-Pacific region is the fastest-growing region due to rapid growth in manufacturing automation and infrastructure investment.

This report studies the global High Flow Solenoid Valve production, demand, key manufacturers, and key regions.

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

### **Highlights and key features of the study**

Global High Flow Solenoid Valve total production and demand, 2021-2032, (K Units)

Global High Flow Solenoid Valve total production value, 2021-2032, (USD Million)

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

Global High Flow Solenoid Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: High Flow Solenoid Valve domestic production, consumption, key domestic manufacturers and share

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

Global High Flow Solenoid Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global High Flow Solenoid Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global High Flow 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 ASCO, Danfoss, Parker Hannifin, B?rkert, SMC,

CKD, AirTAC, Zhejiang Sanhua Intelligent Controls, Zhejiang DunAn Artificial Environment, Kendrion, 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 High Flow 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 High Flow Solenoid Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Flow Solenoid Valve Market, Segmentation by Type:

Direct Action Type

Pilot Type

Global High Flow Solenoid Valve Market, Segmentation by Functions:

Directional Control Valve

Pressure Control Valve

Flow Control Valve

Global High Flow Solenoid Valve Market, Segmentation by Valve Core Structure:

Slide Valve Type

Pink Valve Type

Diaphragm Valve Type

Global High Flow Solenoid Valve Market, Segmentation by Application:

Industrial

Aerospace

Others

Companies Profiled:

ASCO

Danfoss

Parker Hannifin

B?rkert

SMC

CKD

AirTAC

Zhejiang Sanhua Intelligent Controls

Zhejiang DunAn Artificial Environment

Kendrion

Bosch Rexroth

Norgren

Festo

IMI Precision Engineering

CEME

Takasago Electric

PRO UNI-D

ODE

### **Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

- 1.1 High Flow Solenoid Valve Introduction
- 1.2 World High Flow Solenoid Valve Supply & Forecast
  - 1.2.1 World High Flow Solenoid Valve Production Value (2021 & 2025 & 2032)
  - 1.2.2 World High Flow Solenoid Valve Production (2021-2032)
  - 1.2.3 World High Flow Solenoid Valve Pricing Trends (2021-2032)
- 1.3 World High Flow Solenoid Valve Production by Region (Based on Production Site)
  - 1.3.1 World High Flow Solenoid Valve Production Value by Region (2021-2032)
  - 1.3.2 World High Flow Solenoid Valve Production by Region (2021-2032)
  - 1.3.3 World High Flow Solenoid Valve Average Price by Region (2021-2032)
  - 1.3.4 North America High Flow Solenoid Valve Production (2021-2032)
  - 1.3.5 Europe High Flow Solenoid Valve Production (2021-2032)
  - 1.3.6 China High Flow Solenoid Valve Production (2021-2032)
  - 1.3.7 Japan High Flow Solenoid Valve Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 High Flow Solenoid Valve Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 High Flow Solenoid Valve Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World High Flow Solenoid Valve Demand (2021-2032)
- 2.2 World High Flow Solenoid Valve Consumption by Region
  - 2.2.1 World High Flow Solenoid Valve Consumption by Region (2021-2026)
  - 2.2.2 World High Flow Solenoid Valve Consumption Forecast by Region (2027-2032)
- 2.3 United States High Flow Solenoid Valve Consumption (2021-2032)
- 2.4 China High Flow Solenoid Valve Consumption (2021-2032)
- 2.5 Europe High Flow Solenoid Valve Consumption (2021-2032)
- 2.6 Japan High Flow Solenoid Valve Consumption (2021-2032)
- 2.7 South Korea High Flow Solenoid Valve Consumption (2021-2032)
- 2.8 ASEAN High Flow Solenoid Valve Consumption (2021-2032)
- 2.9 India High Flow Solenoid Valve Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World High Flow Solenoid Valve Production Value by Manufacturer (2021-2026)

- 3.2 World High Flow Solenoid Valve Production by Manufacturer (2021-2026)
- 3.3 World High Flow Solenoid Valve Average Price by Manufacturer (2021-2026)
- 3.4 High Flow Solenoid Valve Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global High Flow Solenoid Valve Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for High Flow Solenoid Valve in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for High Flow Solenoid Valve in 2025
- 3.6 High Flow Solenoid Valve Market: Overall Company Footprint Analysis
  - 3.6.1 High Flow Solenoid Valve Market: Region Footprint
  - 3.6.2 High Flow Solenoid Valve Market: Company Product Type Footprint
  - 3.6.3 High Flow Solenoid Valve Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: High Flow Solenoid Valve Production Value Comparison
  - 4.1.1 United States VS China: High Flow Solenoid Valve Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: High Flow Solenoid Valve Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: High Flow Solenoid Valve Production Comparison
  - 4.2.1 United States VS China: High Flow Solenoid Valve Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: High Flow Solenoid Valve Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: High Flow Solenoid Valve Consumption Comparison
  - 4.3.1 United States VS China: High Flow Solenoid Valve Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: High Flow Solenoid Valve Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based High Flow Solenoid Valve Manufacturers and Market Share, 2021-2026
  - 4.4.1 United States Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High Flow Solenoid Valve Production Value (2021-2026)

4.4.3 United States Based Manufacturers High Flow Solenoid Valve Production (2021-2026)

4.5 China Based High Flow Solenoid Valve Manufacturers and Market Share

4.5.1 China Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High Flow Solenoid Valve Production Value (2021-2026)

4.5.3 China Based Manufacturers High Flow Solenoid Valve Production (2021-2026)

4.6 Rest of World Based High Flow Solenoid Valve Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High Flow Solenoid Valve Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers High Flow Solenoid Valve Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World High Flow Solenoid Valve Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Direct Action Type

5.2.2 Pilot Type

5.3 Market Segment by Type

5.3.1 World High Flow Solenoid Valve Production by Type (2021-2032)

5.3.2 World High Flow Solenoid Valve Production Value by Type (2021-2032)

5.3.3 World High Flow Solenoid Valve Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY FUNCTIONS**

6.1 World High Flow Solenoid Valve Market Size Overview by Functions: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Functions

6.2.1 Directional Control Valve

6.2.2 Pressure Control Valve

6.2.3 Flow Control Valve

## 6.3 Market Segment by Functions

6.3.1 World High Flow Solenoid Valve Production by Functions (2021-2032)

6.3.2 World High Flow Solenoid Valve Production Value by Functions (2021-2032)

6.3.3 World High Flow Solenoid Valve Average Price by Functions (2021-2032)

## 7 MARKET ANALYSIS BY VALVE CORE STRUCTURE

7.1 World High Flow Solenoid Valve Market Size Overview by Valve Core Structure: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Valve Core Structure

7.2.1 Slide Valve Type

7.2.2 Pink Valve Type

7.2.3 Diaphragm Valve Type

7.3 Market Segment by Valve Core Structure

7.3.1 World High Flow Solenoid Valve Production by Valve Core Structure (2021-2032)

7.3.2 World High Flow Solenoid Valve Production Value by Valve Core Structure (2021-2032)

7.3.3 World High Flow Solenoid Valve Average Price by Valve Core Structure (2021-2032)

## 8 MARKET ANALYSIS BY APPLICATION

8.1 World High Flow Solenoid Valve Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Industrial

8.2.2 Aerospace

8.2.3 Others

8.3 Market Segment by Application

8.3.1 World High Flow Solenoid Valve Production by Application (2021-2032)

8.3.2 World High Flow Solenoid Valve Production Value by Application (2021-2032)

8.3.3 World High Flow Solenoid Valve Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

9.1 ASCO

9.1.1 ASCO Details

9.1.2 ASCO Major Business

- 9.1.3 ASCO High Flow Solenoid Valve Product and Services
- 9.1.4 ASCO High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 ASCO Recent Developments/Updates
- 9.1.6 ASCO Competitive Strengths & Weaknesses
- 9.2 Danfoss
  - 9.2.1 Danfoss Details
  - 9.2.2 Danfoss Major Business
  - 9.2.3 Danfoss High Flow Solenoid Valve Product and Services
  - 9.2.4 Danfoss High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.2.5 Danfoss Recent Developments/Updates
  - 9.2.6 Danfoss Competitive Strengths & Weaknesses
- 9.3 Parker Hannifin
  - 9.3.1 Parker Hannifin Details
  - 9.3.2 Parker Hannifin Major Business
  - 9.3.3 Parker Hannifin High Flow Solenoid Valve Product and Services
  - 9.3.4 Parker Hannifin High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.3.5 Parker Hannifin Recent Developments/Updates
  - 9.3.6 Parker Hannifin Competitive Strengths & Weaknesses
- 9.4 B?rkert
  - 9.4.1 B?rkert Details
  - 9.4.2 B?rkert Major Business
  - 9.4.3 B?rkert High Flow Solenoid Valve Product and Services
  - 9.4.4 B?rkert High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.4.5 B?rkert Recent Developments/Updates
  - 9.4.6 B?rkert Competitive Strengths & Weaknesses
- 9.5 SMC
  - 9.5.1 SMC Details
  - 9.5.2 SMC Major Business
  - 9.5.3 SMC High Flow Solenoid Valve Product and Services
  - 9.5.4 SMC High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 SMC Recent Developments/Updates
  - 9.5.6 SMC Competitive Strengths & Weaknesses
- 9.6 CKD
  - 9.6.1 CKD Details

- 9.6.2 CKD Major Business
- 9.6.3 CKD High Flow Solenoid Valve Product and Services
- 9.6.4 CKD High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 CKD Recent Developments/Updates
- 9.6.6 CKD Competitive Strengths & Weaknesses
- 9.7 AirTAC
  - 9.7.1 AirTAC Details
  - 9.7.2 AirTAC Major Business
  - 9.7.3 AirTAC High Flow Solenoid Valve Product and Services
  - 9.7.4 AirTAC High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 AirTAC Recent Developments/Updates
  - 9.7.6 AirTAC Competitive Strengths & Weaknesses
- 9.8 Zhejiang Sanhua Intelligent Controls
  - 9.8.1 Zhejiang Sanhua Intelligent Controls Details
  - 9.8.2 Zhejiang Sanhua Intelligent Controls Major Business
  - 9.8.3 Zhejiang Sanhua Intelligent Controls High Flow Solenoid Valve Product and Services
  - 9.8.4 Zhejiang Sanhua Intelligent Controls High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 Zhejiang Sanhua Intelligent Controls Recent Developments/Updates
  - 9.8.6 Zhejiang Sanhua Intelligent Controls Competitive Strengths & Weaknesses
- 9.9 Zhejiang DunAn Artificial Environment
  - 9.9.1 Zhejiang DunAn Artificial Environment Details
  - 9.9.2 Zhejiang DunAn Artificial Environment Major Business
  - 9.9.3 Zhejiang DunAn Artificial Environment High Flow Solenoid Valve Product and Services
  - 9.9.4 Zhejiang DunAn Artificial Environment High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Zhejiang DunAn Artificial Environment Recent Developments/Updates
  - 9.9.6 Zhejiang DunAn Artificial Environment Competitive Strengths & Weaknesses
- 9.10 Kendrion
  - 9.10.1 Kendrion Details
  - 9.10.2 Kendrion Major Business
  - 9.10.3 Kendrion High Flow Solenoid Valve Product and Services
  - 9.10.4 Kendrion High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Kendrion Recent Developments/Updates

- 9.10.6 Kendrion Competitive Strengths & Weaknesses
- 9.11 Bosch Rexroth
  - 9.11.1 Bosch Rexroth Details
  - 9.11.2 Bosch Rexroth Major Business
  - 9.11.3 Bosch Rexroth High Flow Solenoid Valve Product and Services
  - 9.11.4 Bosch Rexroth High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 Bosch Rexroth Recent Developments/Updates
  - 9.11.6 Bosch Rexroth Competitive Strengths & Weaknesses
- 9.12 Norgren
  - 9.12.1 Norgren Details
  - 9.12.2 Norgren Major Business
  - 9.12.3 Norgren High Flow Solenoid Valve Product and Services
  - 9.12.4 Norgren High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Norgren Recent Developments/Updates
  - 9.12.6 Norgren Competitive Strengths & Weaknesses
- 9.13 Festo
  - 9.13.1 Festo Details
  - 9.13.2 Festo Major Business
  - 9.13.3 Festo High Flow Solenoid Valve Product and Services
  - 9.13.4 Festo High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Festo Recent Developments/Updates
  - 9.13.6 Festo Competitive Strengths & Weaknesses
- 9.14 IMI Precision Engineering
  - 9.14.1 IMI Precision Engineering Details
  - 9.14.2 IMI Precision Engineering Major Business
  - 9.14.3 IMI Precision Engineering High Flow Solenoid Valve Product and Services
  - 9.14.4 IMI Precision Engineering High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.14.5 IMI Precision Engineering Recent Developments/Updates
  - 9.14.6 IMI Precision Engineering Competitive Strengths & Weaknesses
- 9.15 CEME
  - 9.15.1 CEME Details
  - 9.15.2 CEME Major Business
  - 9.15.3 CEME High Flow Solenoid Valve Product and Services
  - 9.15.4 CEME High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.15.5 CEME Recent Developments/Updates
- 9.15.6 CEME Competitive Strengths & Weaknesses
- 9.16 Takasago Electric
  - 9.16.1 Takasago Electric Details
  - 9.16.2 Takasago Electric Major Business
  - 9.16.3 Takasago Electric High Flow Solenoid Valve Product and Services
  - 9.16.4 Takasago Electric High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.16.5 Takasago Electric Recent Developments/Updates
  - 9.16.6 Takasago Electric Competitive Strengths & Weaknesses
- 9.17 PRO UNI-D
  - 9.17.1 PRO UNI-D Details
  - 9.17.2 PRO UNI-D Major Business
  - 9.17.3 PRO UNI-D High Flow Solenoid Valve Product and Services
  - 9.17.4 PRO UNI-D High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.17.5 PRO UNI-D Recent Developments/Updates
  - 9.17.6 PRO UNI-D Competitive Strengths & Weaknesses
- 9.18 ODE
  - 9.18.1 ODE Details
  - 9.18.2 ODE Major Business
  - 9.18.3 ODE High Flow Solenoid Valve Product and Services
  - 9.18.4 ODE High Flow Solenoid Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.18.5 ODE Recent Developments/Updates
  - 9.18.6 ODE Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 High Flow Solenoid Valve Industry Chain
- 10.2 High Flow Solenoid Valve Upstream Analysis
  - 10.2.1 High Flow Solenoid Valve Core Raw Materials
  - 10.2.2 Main Manufacturers of High Flow Solenoid Valve Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 High Flow Solenoid Valve Production Mode
- 10.6 High Flow Solenoid Valve Procurement Model
- 10.7 High Flow Solenoid Valve Industry Sales Model and Sales Channels
  - 10.7.1 High Flow Solenoid Valve Sales Model

10.7.2 High Flow Solenoid Valve Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World High Flow Solenoid Valve Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World High Flow Solenoid Valve Production Value by Region (2021-2026) & (USD Million)

Table 3. World High Flow Solenoid Valve Production Value by Region (2027-2032) & (USD Million)

Table 4. World High Flow Solenoid Valve Production Value Market Share by Region (2021-2026)

Table 5. World High Flow Solenoid Valve Production Value Market Share by Region (2027-2032)

Table 6. World High Flow Solenoid Valve Production by Region (2021-2026) & (K Units)

Table 7. World High Flow Solenoid Valve Production by Region (2027-2032) & (K Units)

Table 8. World High Flow Solenoid Valve Production Market Share by Region (2021-2026)

Table 9. World High Flow Solenoid Valve Production Market Share by Region (2027-2032)

Table 10. World High Flow Solenoid Valve Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World High Flow Solenoid Valve Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. High Flow Solenoid Valve Major Market Trends

Table 13. World High Flow Solenoid Valve Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World High Flow Solenoid Valve Consumption by Region (2021-2026) & (K Units)

Table 15. World High Flow Solenoid Valve Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World High Flow Solenoid Valve Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key High Flow Solenoid Valve Producers in 2025

Table 18. World High Flow Solenoid Valve Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key High Flow Solenoid Valve Producers in 2025

Table 20. World High Flow Solenoid Valve Average Price by Manufacturer (2021-2026)

& (US\$/Unit)

Table 21. Global High Flow Solenoid Valve Company Evaluation Quadrant

Table 22. World High Flow Solenoid Valve Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and High Flow Solenoid Valve Production Site of Key Manufacturer

Table 24. High Flow Solenoid Valve Market: Company Product Type Footprint

Table 25. High Flow Solenoid Valve Market: Company Product Application Footprint

Table 26. High Flow Solenoid Valve Competitive Factors

Table 27. High Flow Solenoid Valve New Entrant and Capacity Expansion Plans

Table 28. High Flow Solenoid Valve Mergers & Acquisitions Activity

Table 29. United States VS China High Flow Solenoid Valve Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China High Flow Solenoid Valve Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China High Flow Solenoid Valve Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High Flow Solenoid Valve Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers High Flow Solenoid Valve Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers High Flow Solenoid Valve Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers High Flow Solenoid Valve Production Market Share (2021-2026)

Table 37. China Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High Flow Solenoid Valve Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers High Flow Solenoid Valve Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers High Flow Solenoid Valve Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers High Flow Solenoid Valve Production Market Share (2021-2026)

Table 42. Rest of World Based High Flow Solenoid Valve Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers High Flow Solenoid Valve Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers High Flow Solenoid Valve Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers High Flow Solenoid Valve Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers High Flow Solenoid Valve Production Market Share (2021-2026)

Table 47. World High Flow Solenoid Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World High Flow Solenoid Valve Production by Type (2021-2026) & (K Units)

Table 49. World High Flow Solenoid Valve Production by Type (2027-2032) & (K Units)

Table 50. World High Flow Solenoid Valve Production Value by Type (2021-2026) & (USD Million)

Table 51. World High Flow Solenoid Valve Production Value by Type (2027-2032) & (USD Million)

Table 52. World High Flow Solenoid Valve Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World High Flow Solenoid Valve Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World High Flow Solenoid Valve Production Value by Functions, (USD Million), 2021 & 2025 & 2032

Table 55. World High Flow Solenoid Valve Production by Functions (2021-2026) & (K Units)

Table 56. World High Flow Solenoid Valve Production by Functions (2027-2032) & (K Units)

Table 57. World High Flow Solenoid Valve Production Value by Functions (2021-2026) & (USD Million)

Table 58. World High Flow Solenoid Valve Production Value by Functions (2027-2032) & (USD Million)

Table 59. World High Flow Solenoid Valve Average Price by Functions (2021-2026) & (US\$/Unit)

Table 60. World High Flow Solenoid Valve Average Price by Functions (2027-2032) & (US\$/Unit)

Table 61. World High Flow Solenoid Valve Production Value by Valve Core Structure, (USD Million), 2021 & 2025 & 2032

Table 62. World High Flow Solenoid Valve Production by Valve Core Structure (2021-2026) & (K Units)

Table 63. World High Flow Solenoid Valve Production by Valve Core Structure

(2027-2032) & (K Units)

Table 64. World High Flow Solenoid Valve Production Value by Valve Core Structure (2021-2026) & (USD Million)

Table 65. World High Flow Solenoid Valve Production Value by Valve Core Structure (2027-2032) & (USD Million)

Table 66. World High Flow Solenoid Valve Average Price by Valve Core Structure (2021-2026) & (US\$/Unit)

Table 67. World High Flow Solenoid Valve Average Price by Valve Core Structure (2027-2032) & (US\$/Unit)

Table 68. World High Flow Solenoid Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World High Flow Solenoid Valve Production by Application (2021-2026) & (K Units)

Table 70. World High Flow Solenoid Valve Production by Application (2027-2032) & (K Units)

Table 71. World High Flow Solenoid Valve Production Value by Application (2021-2026) & (USD Million)

Table 72. World High Flow Solenoid Valve Production Value by Application (2027-2032) & (USD Million)

Table 73. World High Flow Solenoid Valve Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World High Flow Solenoid Valve Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. ASCO Basic Information, Manufacturing Base and Competitors

Table 76. ASCO Major Business

Table 77. ASCO High Flow Solenoid Valve Product and Services

Table 78. ASCO High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. ASCO Recent Developments/Updates

Table 80. ASCO Competitive Strengths & Weaknesses

Table 81. Danfoss Basic Information, Manufacturing Base and Competitors

Table 82. Danfoss Major Business

Table 83. Danfoss High Flow Solenoid Valve Product and Services

Table 84. Danfoss High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Danfoss Recent Developments/Updates

Table 86. Danfoss Competitive Strengths & Weaknesses

Table 87. Parker Hannifin Basic Information, Manufacturing Base and Competitors

Table 88. Parker Hannifin Major Business

- Table 89. Parker Hannifin High Flow Solenoid Valve Product and Services
- Table 90. Parker Hannifin High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Parker Hannifin Recent Developments/Updates
- Table 92. Parker Hannifin Competitive Strengths & Weaknesses
- Table 93. B?rkert Basic Information, Manufacturing Base and Competitors
- Table 94. B?rkert Major Business
- Table 95. B?rkert High Flow Solenoid Valve Product and Services
- Table 96. B?rkert High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. B?rkert Recent Developments/Updates
- Table 98. B?rkert Competitive Strengths & Weaknesses
- Table 99. SMC Basic Information, Manufacturing Base and Competitors
- Table 100. SMC Major Business
- Table 101. SMC High Flow Solenoid Valve Product and Services
- Table 102. SMC High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. SMC Recent Developments/Updates
- Table 104. SMC Competitive Strengths & Weaknesses
- Table 105. CKD Basic Information, Manufacturing Base and Competitors
- Table 106. CKD Major Business
- Table 107. CKD High Flow Solenoid Valve Product and Services
- Table 108. CKD High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. CKD Recent Developments/Updates
- Table 110. CKD Competitive Strengths & Weaknesses
- Table 111. AirTAC Basic Information, Manufacturing Base and Competitors
- Table 112. AirTAC Major Business
- Table 113. AirTAC High Flow Solenoid Valve Product and Services
- Table 114. AirTAC High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. AirTAC Recent Developments/Updates
- Table 116. AirTAC Competitive Strengths & Weaknesses
- Table 117. Zhejiang Sanhua Intelligent Controls Basic Information, Manufacturing Base and Competitors
- Table 118. Zhejiang Sanhua Intelligent Controls Major Business
- Table 119. Zhejiang Sanhua Intelligent Controls High Flow Solenoid Valve Product and Services

Table 120. Zhejiang Sanhua Intelligent Controls High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Zhejiang Sanhua Intelligent Controls Recent Developments/Updates

Table 122. Zhejiang Sanhua Intelligent Controls Competitive Strengths & Weaknesses

Table 123. Zhejiang DunAn Artificial Environment Basic Information, Manufacturing Base and Competitors

Table 124. Zhejiang DunAn Artificial Environment Major Business

Table 125. Zhejiang DunAn Artificial Environment High Flow Solenoid Valve Product and Services

Table 126. Zhejiang DunAn Artificial Environment High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Zhejiang DunAn Artificial Environment Recent Developments/Updates

Table 128. Zhejiang DunAn Artificial Environment Competitive Strengths & Weaknesses

Table 129. Kendrion Basic Information, Manufacturing Base and Competitors

Table 130. Kendrion Major Business

Table 131. Kendrion High Flow Solenoid Valve Product and Services

Table 132. Kendrion High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Kendrion Recent Developments/Updates

Table 134. Kendrion Competitive Strengths & Weaknesses

Table 135. Bosch Rexroth Basic Information, Manufacturing Base and Competitors

Table 136. Bosch Rexroth Major Business

Table 137. Bosch Rexroth High Flow Solenoid Valve Product and Services

Table 138. Bosch Rexroth High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Bosch Rexroth Recent Developments/Updates

Table 140. Bosch Rexroth Competitive Strengths & Weaknesses

Table 141. Norgren Basic Information, Manufacturing Base and Competitors

Table 142. Norgren Major Business

Table 143. Norgren High Flow Solenoid Valve Product and Services

Table 144. Norgren High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Norgren Recent Developments/Updates

Table 146. Norgren Competitive Strengths & Weaknesses

Table 147. Festo Basic Information, Manufacturing Base and Competitors

Table 148. Festo Major Business

- Table 149. Festo High Flow Solenoid Valve Product and Services
- Table 150. Festo High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Festo Recent Developments/Updates
- Table 152. Festo Competitive Strengths & Weaknesses
- Table 153. IMI Precision Engineering Basic Information, Manufacturing Base and Competitors
- Table 154. IMI Precision Engineering Major Business
- Table 155. IMI Precision Engineering High Flow Solenoid Valve Product and Services
- Table 156. IMI Precision Engineering High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. IMI Precision Engineering Recent Developments/Updates
- Table 158. IMI Precision Engineering Competitive Strengths & Weaknesses
- Table 159. CEME Basic Information, Manufacturing Base and Competitors
- Table 160. CEME Major Business
- Table 161. CEME High Flow Solenoid Valve Product and Services
- Table 162. CEME High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. CEME Recent Developments/Updates
- Table 164. CEME Competitive Strengths & Weaknesses
- Table 165. Takasago Electric Basic Information, Manufacturing Base and Competitors
- Table 166. Takasago Electric Major Business
- Table 167. Takasago Electric High Flow Solenoid Valve Product and Services
- Table 168. Takasago Electric High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. Takasago Electric Recent Developments/Updates
- Table 170. Takasago Electric Competitive Strengths & Weaknesses
- Table 171. PRO UNI-D Basic Information, Manufacturing Base and Competitors
- Table 172. PRO UNI-D Major Business
- Table 173. PRO UNI-D High Flow Solenoid Valve Product and Services
- Table 174. PRO UNI-D High Flow Solenoid Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. PRO UNI-D Recent Developments/Updates
- Table 176. PRO UNI-D Competitive Strengths & Weaknesses
- Table 177. ODE Basic Information, Manufacturing Base and Competitors
- Table 178. ODE Major Business

Table 179. ODE High Flow Solenoid Valve Product and Services

Table 180. ODE High Flow Solenoid Valve Production (K Units), Price (US\$/Unit),  
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. ODE Recent Developments/Updates

Table 182. ODE Competitive Strengths & Weaknesses

Table 183. Global Key Players of High Flow Solenoid Valve Upstream (Raw Materials)

Table 184. Global High Flow Solenoid Valve Typical Customers

Table 185. High Flow Solenoid Valve Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. High Flow Solenoid Valve Picture

Figure 2. World High Flow Solenoid Valve Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World High Flow Solenoid Valve Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World High Flow Solenoid Valve Production (2021-2032) & (K Units)

Figure 5. World High Flow Solenoid Valve Average Price (2021-2032) & (US\$/Unit)

Figure 6. World High Flow Solenoid Valve Production Value Market Share by Region (2021-2032)

Figure 7. World High Flow Solenoid Valve Production Market Share by Region (2021-2032)

Figure 8. North America High Flow Solenoid Valve Production (2021-2032) & (K Units)

Figure 9. Europe High Flow Solenoid Valve Production (2021-2032) & (K Units)

Figure 10. China High Flow Solenoid Valve Production (2021-2032) & (K Units)

Figure 11. Japan High Flow Solenoid Valve Production (2021-2032) & (K Units)

Figure 12. High Flow Solenoid Valve Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 15. World High Flow Solenoid Valve Consumption Market Share by Region (2021-2032)

Figure 16. United States High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 17. China High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 18. Europe High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 19. Japan High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 20. South Korea High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 21. ASEAN High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 22. India High Flow Solenoid Valve Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of High Flow Solenoid Valve by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for High Flow Solenoid Valve Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for High Flow Solenoid Valve Markets in 2025

Figure 26. United States VS China: High Flow Solenoid Valve Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: High Flow Solenoid Valve Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: High Flow Solenoid Valve Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers High Flow Solenoid Valve Production Market Share 2025

Figure 30. China Based Manufacturers High Flow Solenoid Valve Production Market Share 2025

Figure 31. Rest of World Based Manufacturers High Flow Solenoid Valve Production Market Share 2025

Figure 32. World High Flow Solenoid Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World High Flow Solenoid Valve Production Value Market Share by Type in 2025

Figure 34. Direct Action Type

Figure 35. Pilot Type

Figure 36. World High Flow Solenoid Valve Production Market Share by Type (2021-2032)

Figure 37. World High Flow Solenoid Valve Production Value Market Share by Type (2021-2032)

Figure 38. World High Flow Solenoid Valve Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World High Flow Solenoid Valve Production Value by Functions, (USD Million), 2021 & 2025 & 2032

Figure 40. World High Flow Solenoid Valve Production Value Market Share by Functions in 2025

Figure 41. Directional Control Valve

Figure 42. Pressure Control Valve

Figure 43. Flow Control Valve

Figure 44. World High Flow Solenoid Valve Production Market Share by Functions (2021-2032)

Figure 45. World High Flow Solenoid Valve Production Value Market Share by Functions (2021-2032)

Figure 46. World High Flow Solenoid Valve Average Price by Functions (2021-2032) & (US\$/Unit)

Figure 47. World High Flow Solenoid Valve Production Value by Valve Core Structure, (USD Million), 2021 & 2025 & 2032

Figure 48. World High Flow Solenoid Valve Production Value Market Share by Valve Core Structure in 2025

Figure 49. Slide Valve Type

Figure 50. Pink Valve Type

Figure 51. Diaphragm Valve Type

Figure 52. World High Flow Solenoid Valve Production Market Share by Valve Core Structure (2021-2032)

Figure 53. World High Flow Solenoid Valve Production Value Market Share by Valve Core Structure (2021-2032)

Figure 54. World High Flow Solenoid Valve Average Price by Valve Core Structure (2021-2032) & (US\$/Unit)

Figure 55. World High Flow Solenoid Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World High Flow Solenoid Valve Production Value Market Share by Application in 2025

Figure 57. Industrial

Figure 58. Aerospace

Figure 59. Others

Figure 60. World High Flow Solenoid Valve Production Market Share by Application (2021-2032)

Figure 61. World High Flow Solenoid Valve Production Value Market Share by Application (2021-2032)

Figure 62. World High Flow Solenoid Valve Average Price by Application (2021-2032) & (US\$/Unit)

Figure 63. High Flow Solenoid Valve Industry Chain

Figure 64. High Flow Solenoid Valve Procurement Model

Figure 65. High Flow Solenoid Valve Sales Model

Figure 66. High Flow Solenoid Valve Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

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