

Global Stainless Steel Vacuum Valve Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Stainless Steel Vacuum Valve market size is expected to reach \$ 2770 million by 2032, rising at a market growth of 4.4% CAGR during the forecast period (2026-2032).

The Stainless Steel Vacuum Valve is a control device that utilizes the inherent corrosion resistance and high strength of stainless steel to construct an airtight barrier. Through precise structural design, the valve ensures absolute sealing integrity in high vacuum environments, effectively blocking the intrusion of external impurities and preventing the leakage of internal media. Its metal body withstands oxidation and chemical erosion, guaranteeing mechanical stability and cleanliness during frequent cycling operations while eliminating contamination risks. The combination of this material and design achieves precise isolation of fluid media and long-term reliable on-off control under demanding conditions. In 2025, global Stainless Steel Vacuum Valve production reached approximately 3.83 million units with an average global market price of around US\$520 per unit.

The future development focus of the Stainless Steel Vacuum Valve industry will concentrate on material technology innovation and the autonomy and controllability of high-end industrial chains. The 'Guide Directory for the First Batch of Applications of Key New Materials' issued by the Ministry of Industry and Information Technology classifies high-performance special stainless steel as a key strategic material. This requires enterprises to prioritize enhancing the material's resistance to extreme environments during product development to support manufacturing upgrades in core industries such as semiconductors and photovoltaics. The pollution and carbon reduction policies promoted by the Ministry of Ecology and Environment encourage companies to optimize production processes to reduce energy consumption and

emissions, making green manufacturing a necessary condition for enhancing brand competitiveness. From the perspective of corporate operations, Neway Valve mentioned in its annual report that the proportion of high-value-added special stainless steel valves in the revenue structure continues to rise, which has effectively improved overall profitability and driven the transition from scale expansion to quality and efficiency-oriented growth. Furthermore, official information from Suvalve indicates that the introduction of digital and intelligent production lines has greatly improved production precision and consistency, helping to consolidate the technical barriers of leading enterprises and capture higher market share. Overall, driven by the dual forces of policy dividends and technological iteration, enterprises possessing high-end material R&D capabilities and refined management levels will establish sustainable revenue growth points and profit moats.

This report studies the global Stainless Steel Vacuum Valve production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Stainless Steel Vacuum Valve total production and demand, 2021-2032, (K Units)

Global Stainless Steel Vacuum Valve total production value, 2021-2032, (USD Million)

Global Stainless Steel Vacuum Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Stainless Steel Vacuum Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Stainless Steel Vacuum Valve domestic production, consumption, key domestic manufacturers and share

Global Stainless Steel Vacuum Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Stainless Steel Vacuum Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Stainless Steel Vacuum Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Stainless Steel Vacuum 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 VAT, Pfeiffer Vacuum, CKD, MKS, SMC Corporation, Presys, ANCORP, Kurt J. Lesker, Agilent Technologies, Inc, Key High Vacuum Products, Inc, 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 Stainless Steel Vacuum 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 Stainless Steel Vacuum Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Stainless Steel Vacuum Valve Market, Segmentation by Type:

Manual

Pneumatic

Global Stainless Steel Vacuum Valve Market, Segmentation by Vacuum Level:

10^{-10} Pa

10^{-9} Pa

10^{-8} Pa

10^{-7} Pa

Global Stainless Steel Vacuum Valve Market, Segmentation by Stainless Steel Material:

304/304L

316/316L

321/347

Others

Global Stainless Steel Vacuum Valve Market, Segmentation by Application:

Metallurgy

Petrochemical

Others

Companies Profiled:

Global Stainless Steel Vacuum Valve Supply, Demand and Key Producers, 2026-2032

VAT

Pfeiffer Vacuum

CKD

MKS

SMC Corporation

Presys

ANCORP

Kurt J. Lesker

Agilent Technologies, Inc

Key High Vacuum Products, Inc

MDC Precision

HVA LLC

Thermionics Vacuum Products

Highlight Tech Corp (HTC)

Fortune Precision

Jiangsu Shentong

Kinglai Hygienic Materials

Key Questions Answered:

1. How big is the global Stainless Steel Vacuum Valve market?
2. What is the demand of the global Stainless Steel Vacuum Valve market?
3. What is the year over year growth of the global Stainless Steel Vacuum Valve

market?

4. What is the production and production value of the global Stainless Steel Vacuum Valve market?
5. Who are the key producers in the global Stainless Steel Vacuum Valve market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Stainless Steel Vacuum Valve Production Value by Manufacturer (2021-2026)
- 3.2 World Stainless Steel Vacuum Valve Production by Manufacturer (2021-2026)
- 3.3 World Stainless Steel Vacuum Valve Average Price by Manufacturer (2021-2026)
- 3.4 Stainless Steel Vacuum Valve Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Stainless Steel Vacuum Valve Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Stainless Steel Vacuum Valve in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Stainless Steel Vacuum Valve in 2025
- 3.6 Stainless Steel Vacuum Valve Market: Overall Company Footprint Analysis
 - 3.6.1 Stainless Steel Vacuum Valve Market: Region Footprint
 - 3.6.2 Stainless Steel Vacuum Valve Market: Company Product Type Footprint
 - 3.6.3 Stainless Steel Vacuum 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: Stainless Steel Vacuum Valve Production Value Comparison
 - 4.1.1 United States VS China: Stainless Steel Vacuum Valve Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Stainless Steel Vacuum Valve Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Stainless Steel Vacuum Valve Production Comparison
 - 4.2.1 United States VS China: Stainless Steel Vacuum Valve Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Stainless Steel Vacuum Valve Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Stainless Steel Vacuum Valve Consumption Comparison
 - 4.3.1 United States VS China: Stainless Steel Vacuum Valve Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Stainless Steel Vacuum Valve Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Stainless Steel Vacuum Valve Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Stainless Steel Vacuum Valve Production Value (2021-2026)

4.4.3 United States Based Manufacturers Stainless Steel Vacuum Valve Production (2021-2026)

4.5 China Based Stainless Steel Vacuum Valve Manufacturers and Market Share

4.5.1 China Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Stainless Steel Vacuum Valve Production Value (2021-2026)

4.5.3 China Based Manufacturers Stainless Steel Vacuum Valve Production (2021-2026)

4.6 Rest of World Based Stainless Steel Vacuum Valve Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Stainless Steel Vacuum Valve Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Manual

5.2.2 Pneumatic

5.3 Market Segment by Type

5.3.1 World Stainless Steel Vacuum Valve Production by Type (2021-2032)

5.3.2 World Stainless Steel Vacuum Valve Production Value by Type (2021-2032)

5.3.3 World Stainless Steel Vacuum Valve Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY VACUUM LEVEL

6.1 World Stainless Steel Vacuum Valve Market Size Overview by Vacuum Level: 2021

VS 2025 VS 2032

6.2 Segment Introduction by Vacuum Level

6.2.1 10⁻¹ Pa

6.2.2 10⁻² Pa

6.2.3 10⁻³ Pa

6.2.4 10⁻⁴ Pa

6.3 Market Segment by Vacuum Level

6.3.1 World Stainless Steel Vacuum Valve Production by Vacuum Level (2021-2032)

6.3.2 World Stainless Steel Vacuum Valve Production Value by Vacuum Level
(2021-2032)

6.3.3 World Stainless Steel Vacuum Valve Average Price by Vacuum Level
(2021-2032)

7 MARKET ANALYSIS BY STAINLESS STEEL MATERIAL

7.1 World Stainless Steel Vacuum Valve Market Size Overview by Stainless Steel
Material: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Stainless Steel Material

7.2.1 304/304L

7.2.2 316/316L

7.2.3 321/347

7.2.4 Others

7.3 Market Segment by Stainless Steel Material

7.3.1 World Stainless Steel Vacuum Valve Production by Stainless Steel Material
(2021-2032)

7.3.2 World Stainless Steel Vacuum Valve Production Value by Stainless Steel
Material (2021-2032)

7.3.3 World Stainless Steel Vacuum Valve Average Price by Stainless Steel Material
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Stainless Steel Vacuum Valve Market Size Overview by Application: 2021 VS
2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Metallurgy

8.2.2 Petrochemical

8.2.3 Others

8.3 Market Segment by Application

- 8.3.1 World Stainless Steel Vacuum Valve Production by Application (2021-2032)
- 8.3.2 World Stainless Steel Vacuum Valve Production Value by Application (2021-2032)
- 8.3.3 World Stainless Steel Vacuum Valve Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 VAT

- 9.1.1 VAT Details
- 9.1.2 VAT Major Business
- 9.1.3 VAT Stainless Steel Vacuum Valve Product and Services
- 9.1.4 VAT Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 VAT Recent Developments/Updates
- 9.1.6 VAT Competitive Strengths & Weaknesses

9.2 Pfeiffer Vacuum

- 9.2.1 Pfeiffer Vacuum Details
- 9.2.2 Pfeiffer Vacuum Major Business
- 9.2.3 Pfeiffer Vacuum Stainless Steel Vacuum Valve Product and Services
- 9.2.4 Pfeiffer Vacuum Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Pfeiffer Vacuum Recent Developments/Updates
- 9.2.6 Pfeiffer Vacuum Competitive Strengths & Weaknesses

9.3 CKD

- 9.3.1 CKD Details
- 9.3.2 CKD Major Business
- 9.3.3 CKD Stainless Steel Vacuum Valve Product and Services
- 9.3.4 CKD Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.3.5 CKD Recent Developments/Updates
- 9.3.6 CKD Competitive Strengths & Weaknesses

9.4 MKS

- 9.4.1 MKS Details
- 9.4.2 MKS Major Business
- 9.4.3 MKS Stainless Steel Vacuum Valve Product and Services
- 9.4.4 MKS Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 MKS Recent Developments/Updates
- 9.4.6 MKS Competitive Strengths & Weaknesses

9.5 SMC Corporation

9.5.1 SMC Corporation Details

9.5.2 SMC Corporation Major Business

9.5.3 SMC Corporation Stainless Steel Vacuum Valve Product and Services

9.5.4 SMC Corporation Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 SMC Corporation Recent Developments/Updates

9.5.6 SMC Corporation Competitive Strengths & Weaknesses

9.6 Presys

9.6.1 Presys Details

9.6.2 Presys Major Business

9.6.3 Presys Stainless Steel Vacuum Valve Product and Services

9.6.4 Presys Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Presys Recent Developments/Updates

9.6.6 Presys Competitive Strengths & Weaknesses

9.7 ANCORP

9.7.1 ANCORP Details

9.7.2 ANCORP Major Business

9.7.3 ANCORP Stainless Steel Vacuum Valve Product and Services

9.7.4 ANCORP Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 ANCORP Recent Developments/Updates

9.7.6 ANCORP Competitive Strengths & Weaknesses

9.8 Kurt J. Lesker

9.8.1 Kurt J. Lesker Details

9.8.2 Kurt J. Lesker Major Business

9.8.3 Kurt J. Lesker Stainless Steel Vacuum Valve Product and Services

9.8.4 Kurt J. Lesker Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Kurt J. Lesker Recent Developments/Updates

9.8.6 Kurt J. Lesker Competitive Strengths & Weaknesses

9.9 Agilent Technologies, Inc

9.9.1 Agilent Technologies, Inc Details

9.9.2 Agilent Technologies, Inc Major Business

9.9.3 Agilent Technologies, Inc Stainless Steel Vacuum Valve Product and Services

9.9.4 Agilent Technologies, Inc Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Agilent Technologies, Inc Recent Developments/Updates

- 9.9.6 Agilent Technologies, Inc Competitive Strengths & Weaknesses
- 9.10 Key High Vacuum Products, Inc
 - 9.10.1 Key High Vacuum Products, Inc Details
 - 9.10.2 Key High Vacuum Products, Inc Major Business
 - 9.10.3 Key High Vacuum Products, Inc Stainless Steel Vacuum Valve Product and Services
 - 9.10.4 Key High Vacuum Products, Inc Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Key High Vacuum Products, Inc Recent Developments/Updates
 - 9.10.6 Key High Vacuum Products, Inc Competitive Strengths & Weaknesses
- 9.11 MDC Precision
 - 9.11.1 MDC Precision Details
 - 9.11.2 MDC Precision Major Business
 - 9.11.3 MDC Precision Stainless Steel Vacuum Valve Product and Services
 - 9.11.4 MDC Precision Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 MDC Precision Recent Developments/Updates
 - 9.11.6 MDC Precision Competitive Strengths & Weaknesses
- 9.12 HVA LLC
 - 9.12.1 HVA LLC Details
 - 9.12.2 HVA LLC Major Business
 - 9.12.3 HVA LLC Stainless Steel Vacuum Valve Product and Services
 - 9.12.4 HVA LLC Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 HVA LLC Recent Developments/Updates
 - 9.12.6 HVA LLC Competitive Strengths & Weaknesses
- 9.13 Thermionics Vacuum Products
 - 9.13.1 Thermionics Vacuum Products Details
 - 9.13.2 Thermionics Vacuum Products Major Business
 - 9.13.3 Thermionics Vacuum Products Stainless Steel Vacuum Valve Product and Services
 - 9.13.4 Thermionics Vacuum Products Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Thermionics Vacuum Products Recent Developments/Updates
 - 9.13.6 Thermionics Vacuum Products Competitive Strengths & Weaknesses
- 9.14 Highlight Tech Corp (HTC)
 - 9.14.1 Highlight Tech Corp (HTC) Details
 - 9.14.2 Highlight Tech Corp (HTC) Major Business
 - 9.14.3 Highlight Tech Corp (HTC) Stainless Steel Vacuum Valve Product and Services

9.14.4 Highlight Tech Corp (HTC) Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Highlight Tech Corp (HTC) Recent Developments/Updates

9.14.6 Highlight Tech Corp (HTC) Competitive Strengths & Weaknesses

9.15 Fortune Precision

9.15.1 Fortune Precision Details

9.15.2 Fortune Precision Major Business

9.15.3 Fortune Precision Stainless Steel Vacuum Valve Product and Services

9.15.4 Fortune Precision Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Fortune Precision Recent Developments/Updates

9.15.6 Fortune Precision Competitive Strengths & Weaknesses

9.16 Jiangsu Shentong

9.16.1 Jiangsu Shentong Details

9.16.2 Jiangsu Shentong Major Business

9.16.3 Jiangsu Shentong Stainless Steel Vacuum Valve Product and Services

9.16.4 Jiangsu Shentong Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 Jiangsu Shentong Recent Developments/Updates

9.16.6 Jiangsu Shentong Competitive Strengths & Weaknesses

9.17 Kinglai Hygienic Materials

9.17.1 Kinglai Hygienic Materials Details

9.17.2 Kinglai Hygienic Materials Major Business

9.17.3 Kinglai Hygienic Materials Stainless Steel Vacuum Valve Product and Services

9.17.4 Kinglai Hygienic Materials Stainless Steel Vacuum Valve Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 Kinglai Hygienic Materials Recent Developments/Updates

9.17.6 Kinglai Hygienic Materials Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Stainless Steel Vacuum Valve Industry Chain

10.2 Stainless Steel Vacuum Valve Upstream Analysis

10.2.1 Stainless Steel Vacuum Valve Core Raw Materials

10.2.2 Main Manufacturers of Stainless Steel Vacuum Valve Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Stainless Steel Vacuum Valve Production Mode

10.6 Stainless Steel Vacuum Valve Procurement Model

10.7 Stainless Steel Vacuum Valve Industry Sales Model and Sales Channels

10.7.1 Stainless Steel Vacuum Valve Sales Model

10.7.2 Stainless Steel Vacuum 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 Stainless Steel Vacuum Valve Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Stainless Steel Vacuum Valve Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Stainless Steel Vacuum Valve Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Stainless Steel Vacuum Valve Production Value Market Share by Region (2021-2026)
- Table 5. World Stainless Steel Vacuum Valve Production Value Market Share by Region (2027-2032)
- Table 6. World Stainless Steel Vacuum Valve Production by Region (2021-2026) & (K Units)
- Table 7. World Stainless Steel Vacuum Valve Production by Region (2027-2032) & (K Units)
- Table 8. World Stainless Steel Vacuum Valve Production Market Share by Region (2021-2026)
- Table 9. World Stainless Steel Vacuum Valve Production Market Share by Region (2027-2032)
- Table 10. World Stainless Steel Vacuum Valve Average Price by Region (2021-2026) & (US\$/Unit)
- Table 11. World Stainless Steel Vacuum Valve Average Price by Region (2027-2032) & (US\$/Unit)
- Table 12. Stainless Steel Vacuum Valve Major Market Trends
- Table 13. World Stainless Steel Vacuum Valve Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)
- Table 14. World Stainless Steel Vacuum Valve Consumption by Region (2021-2026) & (K Units)
- Table 15. World Stainless Steel Vacuum Valve Consumption Forecast by Region (2027-2032) & (K Units)
- Table 16. World Stainless Steel Vacuum Valve Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Stainless Steel Vacuum Valve Producers in 2025
- Table 18. World Stainless Steel Vacuum Valve Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Stainless Steel Vacuum Valve Producers in 2025

Table 20. World Stainless Steel Vacuum Valve Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Stainless Steel Vacuum Valve Company Evaluation Quadrant

Table 22. World Stainless Steel Vacuum Valve Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Stainless Steel Vacuum Valve Production Site of Key Manufacturer

Table 24. Stainless Steel Vacuum Valve Market: Company Product Type Footprint

Table 25. Stainless Steel Vacuum Valve Market: Company Product Application Footprint

Table 26. Stainless Steel Vacuum Valve Competitive Factors

Table 27. Stainless Steel Vacuum Valve New Entrant and Capacity Expansion Plans

Table 28. Stainless Steel Vacuum Valve Mergers & Acquisitions Activity

Table 29. United States VS China Stainless Steel Vacuum Valve Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Stainless Steel Vacuum Valve Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Stainless Steel Vacuum Valve Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Stainless Steel Vacuum Valve Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Stainless Steel Vacuum Valve Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Stainless Steel Vacuum Valve Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Stainless Steel Vacuum Valve Production Market Share (2021-2026)

Table 37. China Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Stainless Steel Vacuum Valve Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Stainless Steel Vacuum Valve Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Stainless Steel Vacuum Valve Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Stainless Steel Vacuum Valve Production Market Share (2021-2026)

Table 42. Rest of World Based Stainless Steel Vacuum Valve Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production Market Share (2021-2026)

Table 47. World Stainless Steel Vacuum Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Stainless Steel Vacuum Valve Production by Type (2021-2026) & (K Units)

Table 49. World Stainless Steel Vacuum Valve Production by Type (2027-2032) & (K Units)

Table 50. World Stainless Steel Vacuum Valve Production Value by Type (2021-2026) & (USD Million)

Table 51. World Stainless Steel Vacuum Valve Production Value by Type (2027-2032) & (USD Million)

Table 52. World Stainless Steel Vacuum Valve Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Stainless Steel Vacuum Valve Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Stainless Steel Vacuum Valve Production Value by Vacuum Level, (USD Million), 2021 & 2025 & 2032

Table 55. World Stainless Steel Vacuum Valve Production by Vacuum Level (2021-2026) & (K Units)

Table 56. World Stainless Steel Vacuum Valve Production by Vacuum Level (2027-2032) & (K Units)

Table 57. World Stainless Steel Vacuum Valve Production Value by Vacuum Level (2021-2026) & (USD Million)

Table 58. World Stainless Steel Vacuum Valve Production Value by Vacuum Level (2027-2032) & (USD Million)

Table 59. World Stainless Steel Vacuum Valve Average Price by Vacuum Level (2021-2026) & (US\$/Unit)

Table 60. World Stainless Steel Vacuum Valve Average Price by Vacuum Level

(2027-2032) & (US\$/Unit)

Table 61. World Stainless Steel Vacuum Valve Production Value by Stainless Steel Material, (USD Million), 2021 & 2025 & 2032

Table 62. World Stainless Steel Vacuum Valve Production by Stainless Steel Material (2021-2026) & (K Units)

Table 63. World Stainless Steel Vacuum Valve Production by Stainless Steel Material (2027-2032) & (K Units)

Table 64. World Stainless Steel Vacuum Valve Production Value by Stainless Steel Material (2021-2026) & (USD Million)

Table 65. World Stainless Steel Vacuum Valve Production Value by Stainless Steel Material (2027-2032) & (USD Million)

Table 66. World Stainless Steel Vacuum Valve Average Price by Stainless Steel Material (2021-2026) & (US\$/Unit)

Table 67. World Stainless Steel Vacuum Valve Average Price by Stainless Steel Material (2027-2032) & (US\$/Unit)

Table 68. World Stainless Steel Vacuum Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Stainless Steel Vacuum Valve Production by Application (2021-2026) & (K Units)

Table 70. World Stainless Steel Vacuum Valve Production by Application (2027-2032) & (K Units)

Table 71. World Stainless Steel Vacuum Valve Production Value by Application (2021-2026) & (USD Million)

Table 72. World Stainless Steel Vacuum Valve Production Value by Application (2027-2032) & (USD Million)

Table 73. World Stainless Steel Vacuum Valve Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Stainless Steel Vacuum Valve Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. VAT Basic Information, Manufacturing Base and Competitors

Table 76. VAT Major Business

Table 77. VAT Stainless Steel Vacuum Valve Product and Services

Table 78. VAT Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. VAT Recent Developments/Updates

Table 80. VAT Competitive Strengths & Weaknesses

Table 81. Pfeiffer Vacuum Basic Information, Manufacturing Base and Competitors

Table 82. Pfeiffer Vacuum Major Business

Table 83. Pfeiffer Vacuum Stainless Steel Vacuum Valve Product and Services

Table 84. Pfeiffer Vacuum Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Pfeiffer Vacuum Recent Developments/Updates

Table 86. Pfeiffer Vacuum Competitive Strengths & Weaknesses

Table 87. CKD Basic Information, Manufacturing Base and Competitors

Table 88. CKD Major Business

Table 89. CKD Stainless Steel Vacuum Valve Product and Services

Table 90. CKD Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. CKD Recent Developments/Updates

Table 92. CKD Competitive Strengths & Weaknesses

Table 93. MKS Basic Information, Manufacturing Base and Competitors

Table 94. MKS Major Business

Table 95. MKS Stainless Steel Vacuum Valve Product and Services

Table 96. MKS Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. MKS Recent Developments/Updates

Table 98. MKS Competitive Strengths & Weaknesses

Table 99. SMC Corporation Basic Information, Manufacturing Base and Competitors

Table 100. SMC Corporation Major Business

Table 101. SMC Corporation Stainless Steel Vacuum Valve Product and Services

Table 102. SMC Corporation Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. SMC Corporation Recent Developments/Updates

Table 104. SMC Corporation Competitive Strengths & Weaknesses

Table 105. Presys Basic Information, Manufacturing Base and Competitors

Table 106. Presys Major Business

Table 107. Presys Stainless Steel Vacuum Valve Product and Services

Table 108. Presys Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Presys Recent Developments/Updates

Table 110. Presys Competitive Strengths & Weaknesses

Table 111. ANCORP Basic Information, Manufacturing Base and Competitors

Table 112. ANCORP Major Business

Table 113. ANCORP Stainless Steel Vacuum Valve Product and Services

Table 114. ANCORP Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 115. ANCORP Recent Developments/Updates

Table 116. ANCORP Competitive Strengths & Weaknesses

Table 117. Kurt J. Lesker Basic Information, Manufacturing Base and Competitors

Table 118. Kurt J. Lesker Major Business

Table 119. Kurt J. Lesker Stainless Steel Vacuum Valve Product and Services

Table 120. Kurt J. Lesker Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 121. Kurt J. Lesker Recent Developments/Updates

Table 122. Kurt J. Lesker Competitive Strengths & Weaknesses

Table 123. Agilent Technologies, Inc Basic Information, Manufacturing Base and Competitors

Table 124. Agilent Technologies, Inc Major Business

Table 125. Agilent Technologies, Inc Stainless Steel Vacuum Valve Product and Services

Table 126. Agilent Technologies, Inc Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Agilent Technologies, Inc Recent Developments/Updates

Table 128. Agilent Technologies, Inc Competitive Strengths & Weaknesses

Table 129. Key High Vacuum Products, Inc Basic Information, Manufacturing Base and Competitors

Table 130. Key High Vacuum Products, Inc Major Business

Table 131. Key High Vacuum Products, Inc Stainless Steel Vacuum Valve Product and Services

Table 132. Key High Vacuum Products, Inc Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Key High Vacuum Products, Inc Recent Developments/Updates

Table 134. Key High Vacuum Products, Inc Competitive Strengths & Weaknesses

Table 135. MDC Precision Basic Information, Manufacturing Base and Competitors

Table 136. MDC Precision Major Business

Table 137. MDC Precision Stainless Steel Vacuum Valve Product and Services

Table 138. MDC Precision Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. MDC Precision Recent Developments/Updates

Table 140. MDC Precision Competitive Strengths & Weaknesses

Table 141. HVA LLC Basic Information, Manufacturing Base and Competitors

Table 142. HVA LLC Major Business

Table 143. HVA LLC Stainless Steel Vacuum Valve Product and Services

Table 144. HVA LLC Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. HVA LLC Recent Developments/Updates

Table 146. HVA LLC Competitive Strengths & Weaknesses

Table 147. Thermionics Vacuum Products Basic Information, Manufacturing Base and Competitors

Table 148. Thermionics Vacuum Products Major Business

Table 149. Thermionics Vacuum Products Stainless Steel Vacuum Valve Product and Services

Table 150. Thermionics Vacuum Products Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Thermionics Vacuum Products Recent Developments/Updates

Table 152. Thermionics Vacuum Products Competitive Strengths & Weaknesses

Table 153. Highlight Tech Corp (HTC) Basic Information, Manufacturing Base and Competitors

Table 154. Highlight Tech Corp (HTC) Major Business

Table 155. Highlight Tech Corp (HTC) Stainless Steel Vacuum Valve Product and Services

Table 156. Highlight Tech Corp (HTC) Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Highlight Tech Corp (HTC) Recent Developments/Updates

Table 158. Highlight Tech Corp (HTC) Competitive Strengths & Weaknesses

Table 159. Fortune Precision Basic Information, Manufacturing Base and Competitors

Table 160. Fortune Precision Major Business

Table 161. Fortune Precision Stainless Steel Vacuum Valve Product and Services

Table 162. Fortune Precision Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Fortune Precision Recent Developments/Updates

Table 164. Fortune Precision Competitive Strengths & Weaknesses

Table 165. Jiangsu Shentong Basic Information, Manufacturing Base and Competitors

Table 166. Jiangsu Shentong Major Business

Table 167. Jiangsu Shentong Stainless Steel Vacuum Valve Product and Services

Table 168. Jiangsu Shentong Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Jiangsu Shentong Recent Developments/Updates

Table 170. Jiangsu Shentong Competitive Strengths & Weaknesses

Table 171. Kinglai Hygienic Materials Basic Information, Manufacturing Base and Competitors

Table 172. Kinglai Hygienic Materials Major Business

Table 173. Kinglai Hygienic Materials Stainless Steel Vacuum Valve Product and Services

Table 174. Kinglai Hygienic Materials Stainless Steel Vacuum Valve Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Kinglai Hygienic Materials Recent Developments/Updates

Table 176. Kinglai Hygienic Materials Competitive Strengths & Weaknesses

Table 177. Global Key Players of Stainless Steel Vacuum Valve Upstream (Raw Materials)

Table 178. Global Stainless Steel Vacuum Valve Typical Customers

Table 179. Stainless Steel Vacuum Valve Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Stainless Steel Vacuum Valve Picture

Figure 2. World Stainless Steel Vacuum Valve Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Stainless Steel Vacuum Valve Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Stainless Steel Vacuum Valve Production (2021-2032) & (K Units)

Figure 5. World Stainless Steel Vacuum Valve Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Stainless Steel Vacuum Valve Production Value Market Share by Region (2021-2032)

Figure 7. World Stainless Steel Vacuum Valve Production Market Share by Region (2021-2032)

Figure 8. North America Stainless Steel Vacuum Valve Production (2021-2032) & (K Units)

Figure 9. Europe Stainless Steel Vacuum Valve Production (2021-2032) & (K Units)

Figure 10. China Stainless Steel Vacuum Valve Production (2021-2032) & (K Units)

Figure 11. Japan Stainless Steel Vacuum Valve Production (2021-2032) & (K Units)

Figure 12. Stainless Steel Vacuum Valve Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 15. World Stainless Steel Vacuum Valve Consumption Market Share by Region (2021-2032)

Figure 16. United States Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 17. China Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 18. Europe Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 19. Japan Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 20. South Korea Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 22. India Stainless Steel Vacuum Valve Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Stainless Steel Vacuum Valve by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Stainless Steel Vacuum Valve Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Stainless Steel Vacuum

Valve Markets in 2025

Figure 26. United States VS China: Stainless Steel Vacuum Valve Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Stainless Steel Vacuum Valve Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Stainless Steel Vacuum Valve Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Stainless Steel Vacuum Valve Production Market Share 2025

Figure 30. China Based Manufacturers Stainless Steel Vacuum Valve Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Stainless Steel Vacuum Valve Production Market Share 2025

Figure 32. World Stainless Steel Vacuum Valve Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Stainless Steel Vacuum Valve Production Value Market Share by Type in 2025

Figure 34. Manual

Figure 35. Pneumatic

Figure 36. World Stainless Steel Vacuum Valve Production Market Share by Type (2021-2032)

Figure 37. World Stainless Steel Vacuum Valve Production Value Market Share by Type (2021-2032)

Figure 38. World Stainless Steel Vacuum Valve Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Stainless Steel Vacuum Valve Production Value by Vacuum Level, (USD Million), 2021 & 2025 & 2032

Figure 40. World Stainless Steel Vacuum Valve Production Value Market Share by Vacuum Level in 2025

Figure 41. 10⁻² to 10⁻¹ Pa

Figure 42. 10⁻¹ to 10⁰ Pa

Figure 43. 10⁰ to 10¹ Pa

Figure 44. 10¹ to 10² Pa

Figure 45. World Stainless Steel Vacuum Valve Production Market Share by Vacuum Level (2021-2032)

Figure 46. World Stainless Steel Vacuum Valve Production Value Market Share by Vacuum Level (2021-2032)

Figure 47. World Stainless Steel Vacuum Valve Average Price by Vacuum Level (2021-2032) & (US\$/Unit)

Figure 48. World Stainless Steel Vacuum Valve Production Value by Stainless Steel Material, (USD Million), 2021 & 2025 & 2032

Figure 49. World Stainless Steel Vacuum Valve Production Value Market Share by Stainless Steel Material in 2025

Figure 50. 304/304L

Figure 51. 316/316L

Figure 52. 321/347

Figure 53. Others

Figure 54. World Stainless Steel Vacuum Valve Production Market Share by Stainless Steel Material (2021-2032)

Figure 55. World Stainless Steel Vacuum Valve Production Value Market Share by Stainless Steel Material (2021-2032)

Figure 56. World Stainless Steel Vacuum Valve Average Price by Stainless Steel Material (2021-2032) & (US\$/Unit)

Figure 57. World Stainless Steel Vacuum Valve Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 58. World Stainless Steel Vacuum Valve Production Value Market Share by Application in 2025

Figure 59. Metallurgy

Figure 60. Petrochemical

Figure 61. Others

Figure 62. World Stainless Steel Vacuum Valve Production Market Share by Application (2021-2032)

Figure 63. World Stainless Steel Vacuum Valve Production Value Market Share by Application (2021-2032)

Figure 64. World Stainless Steel Vacuum Valve Average Price by Application (2021-2032) & (US\$/Unit)

Figure 65. Stainless Steel Vacuum Valve Industry Chain

Figure 66. Stainless Steel Vacuum Valve Procurement Model

Figure 67. Stainless Steel Vacuum Valve Sales Model

Figure 68. Stainless Steel Vacuum Valve Sales Channels, Direct Sales, and Distribution

Figure 69. Methodology

Figure 70. Research Process and Data Source

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