

Global Vacuum Valve Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Vacuum Valve Unit market size was valued at US\$ 2779 million in 2025 and is forecast to a readjusted size of US\$ 5149 million by 2032 with a CAGR of 9.2% during review period.

Vacuum Valve Unit is an integrated assembly of one or multiple vacuum control valves (such as solenoid valves, pneumatic valves, or check valves), used to control vacuum generation, switching, isolation, and release in vacuum systems. It is widely used in automation, semiconductor handling, robotics, and packaging systems to ensure stable and controllable vacuum flow. In 2025, global Vacuum Valve Unit production reached approximately 6.43 M units, with an average global market price of around US\$ 420 per unit. Annual production capacity is 7.8 M Units. Gross Profit Margin?52%. The vacuum valve unit sits in a highly specialized and vertically integrated industrial chain. Upstream, it relies on precision stainless steel machining, sealing materials (such as FKM and PTFE), electromagnetic components, and ultra-clean surface treatment technologies. Midstream manufacturers integrate these components into high-reliability valve modules, often tailored for semiconductor tools, vacuum coating systems, and automated handling equipment. Downstream demand is dominated by semiconductor fabs, flat panel display production, lithium battery manufacturing, and high-end industrial automation systems, where vacuum stability directly impacts yield and process precision. This product represents a “small component, high system value” category. Although a single unit is not expensive compared to large equipment, it plays a critical role in determining system reliability and process stability. The industry is increasingly polarized: high-end markets are controlled by global leaders like VAT and MKS, while Chinese manufacturers are rapidly expanding in mid-to-low vacuum applications. In my view, the most important trend is localization of semiconductor-grade vacuum control

components, where technological barriers remain high but strategic demand is even higher.

This report is a detailed and comprehensive analysis for global Vacuum Valve Unit market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Function Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Vacuum Valve Unit market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

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

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

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

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Vacuum Valve Unit
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Vacuum Valve Unit market based on the

following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include VAT Group Ag, Mks Instruments Inc, Pfeiffer Vacuum Technology Ag, Ulvac Inc, Smc Corporation, Ckd Corporation, Edwards Vacuum Ltd, Leybold Gmbh, Parker Hannifin Corporation, Fujikin Incorporated, etc.

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

Market Segmentation

Vacuum Valve Unit market is split by Function Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Function Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Function Type

Suction Control Type Vacuum Valve Unit

Pressure Release Type Vacuum Valve Unit

Directional Switching Type Vacuum Valve Unit

Safety Isolation Type Vacuum Valve Unit

Market segment by Integration Level

Single Valve Unit

Multi-Valve Integrated Unit

Valve Manifold Module Unit

All-in-One Vacuum Control Unit

Market segment by Actuation Method

Solenoid Actuated Vacuum Valve Unit

Pneumatic Actuated Vacuum Valve Unit

Electric Motor Driven Valve Unit

Manual Control Valve Unit

Market segment by Application

Electronic & Semiconductor

Industrial

Logistics

Medical

Others

Major players covered

VAT Group Ag

Mks Instruments Inc

Pfeiffer Vacuum Technology Ag

Ulvac Inc

Smc Corporation

Ckd Corporation

Edwards Vacuum Ltd

Leybold Gmbh

Parker Hannifin Corporation

Fujikin Incorporated

Kitz Corporation

Nor Cal Products Inc

Kurt J Lesker Company

Swagelok Company

Festo Se & Co Kg

Shanghai Vacuum Valve Manufacturing Co Ltd

Beijing Huachuang Vacuum Technology Co Ltd

Sichuan Jiutian Vacuum Technology Co Ltd

Chuanbei Vacuum Technology (Beijing) Co Ltd

Beijing Jiujiu Yuda Electromechanical Technology Co Ltd

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of

Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Vacuum Valve Unit product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vacuum Valve Unit, with price, sales quantity, revenue, and global market share of Vacuum Valve Unit from 2021 to 2026.

Chapter 3, the Vacuum Valve Unit competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vacuum Valve Unit breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Function Type and by Application, with sales market share and growth rate by Function Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Vacuum Valve Unit market forecast, by regions, by Function Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Vacuum Valve Unit.

Chapter 14 and 15, to describe Vacuum Valve Unit sales channel, distributors, customers, research findings and conclusion.

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