

# **Global Vacuum Valve Market Size study & Forecast, by Valve Type (Pressure Control Valves, Isolation Valves, Transfer Valves, Air Admittance Valves, Check Valves), by Pressure Range (Low-to-Medium Vacuum, High Vacuum, Very High Vacuum), by Industry (Analytical Instruments, Chemicals, Flat-panel Display Manufacturing, Others) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Vacuum Valve Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Vacuum valve is a type of valve designed to control or regulate the flow of gases or liquids in a vacuum system. Vacuum systems are environments where the pressure is significantly lower than atmospheric pressure. These systems are used in various industrial, scientific, and technological applications. Moreover, the growing aerospace and defense sector, expanding semiconductor industry, and stringent regulations related to healthcare, environmental protection, and safety standards can drive the adoption of vacuum technology in medical devices, environmental monitoring, and other applications, contributing to market growth.

Additionally, the growing semiconductor industry plays a significant role in supporting the growth of the Vacuum Valve Market. Semiconductor fabrication involves various vacuum processes, such as Physical Vapor Deposition (PVD), Chemical Vapor Deposition (CVD), and etching. Vacuum valves are crucial components in these processes, controlling the flow of gases and maintaining the required vacuum levels for precision manufacturing. According to Statista, in 2023, the global semiconductor

industry was valued at USD 532.2 billion and it is anticipated to reach USD 630.9 billion by the end of year 2024. Moreover, the growing technological advancements and rising focus on research & development enable advanced vacuum valve products are anticipated to create lucrative opportunities for the market. However, the lack of standardized norms and governing policies, and low-cost valves offered by local manufacturers stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Vacuum Valve Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increased investment in research and development activities, growing development of infrastructure projects, including the construction of new research facilities, laboratories, and manufacturing plants, and the presence of key market players. Whereas, the Asia Pacific is expected to grow with the fastest growth rate over the forecast period, owing to factors such as the growing industrialization and manufacturing growth, expanding aerospace and defense sector, and growing semiconductor and electronics industry.

Major market player included in this report are:

VAT Group AG (Switzerland)

MKS Instruments (US)

CKD Corporation (Japan)

V-TEX Corporation (Japan)

ULVAC, Inc. (Japan)

SMC Corporation (Japan)

HVA LLC (US)

Kitz SCT Corporation (Japan)

Pfeiffer Vacuum Technology AG (Germany)

Agilent Technologies Inc (US)

## Recent Developments in the Market:

In August 2023, Busch Vacuum Pumps and Systems, a prominent German manufacturer specializing in vacuum pumps and systems, successfully acquired Leybold GmbH, another German company renowned for its expertise in manufacturing vacuum valves. This strategic acquisition, the financial details of which remain undisclosed, is poised to establish a preeminent force in delivering comprehensive vacuum technology solutions.

## Global Vacuum Valve Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Valve Type, Pressure Range, Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Valve Type:

Pressure Control Valves

Isolation Valves

Transfer Valves

Air Admittance Valves

Check Valves

By Pressure Range:

Low-to-Medium Vacuum ( $>10^{-3}$  torr)

High Vacuum ( $10^{-8}$  torr)

Very High Vacuum (

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