

# Two Port Solenoid Valve industry report discussing competitive landscape and future prospects.

*The Business Research Company's Two Port Solenoid Valve Global Market Report 2026 - Market Size, Trends, And Global Forecast 2026-2035*

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*The Business Research Company*

[The two port solenoid valve market](#) has been experiencing notable growth recently, reflecting increased industrial demand and technological advancements. As industries continue to modernize and automate, the need for efficient fluid control solutions such as two port solenoid valves is becoming more critical. Here, we explore the market's size, key growth factors, leading regions, and emerging trends shaping its future.

Current Market Size and Expected Growth in the Two Port Solenoid Valve Market

[The market for two port solenoid valves](#) has seen significant expansion in recent years. It is projected to rise from \$2.56 billion in 2025 to \$2.74 billion in 2026, marking a compound annual growth rate (CAGR) of 6.9%. This previous growth phase was largely fueled by the surge in industrial automation, demand for fluid control systems, broader use of pneumatic and electric actuators, and the growth of manufacturing and automotive sectors. The need for highly accurate flow control also contributed substantially.

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Looking ahead, the market is set to continue this strong momentum, reaching \$3.6 billion by 2030 with a CAGR of 7.1%. The anticipated growth is driven by the increasing adoption of Internet of Things (IoT)-enabled solenoid valves, rising requirements from pharmaceutical and agricultural industries, and the expansion of smart manufacturing applications. Additionally, there is a growing preference for high-pressure and stainless steel valves, alongside the development of more energy-efficient valve technologies. Key trends expected to influence the market include the broader use of stainless steel two port valves, demand for compact and miniaturized designs, enhanced maintenance and service options, and deeper integration into automated manufacturing environments.

### Understanding Two Port Solenoid Valves and Their Function

Two port solenoid valves are electromechanical devices that regulate the flow of liquids or gases by opening or closing through an electrically energized coil. Featuring one inlet and one outlet, these valves enable precise on-off control of fluid movement within a system. They play a vital role in enhancing operational efficiency, improving reliability, and ensuring safety across a variety of industrial and commercial applications.

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### Industrial Automation as a Primary Growth Driver for Two Port Solenoid Valves

One of the main forces propelling [the growth of the two port solenoid valve market](#) is the rapid expansion of industrial automation. This involves employing advanced technologies like robotics, sensors, programmable logic controllers (PLCs), and computers to operate industrial processes with minimal human involvement, boosting productivity, quality, and consistency. As industries strive to reduce costs and human error, automation demand rises, which in turn increases the need for reliable fluid control solutions such as two port solenoid valves.

These valves are essential in automated systems because they offer accurate, fast, and dependable control over fluid or gas flow, which is critical for machinery operation and process management. For instance, the World Robotics report by the International Federation of Robotics indicated a 5% year-on-year rise in industrial robot installations worldwide in 2022, tallying 553,052 units. This growth in automation clearly supports the expanding demand for two port solenoid valves.

### Infrastructure Expansion Significantly Boosting Demand for Precise Flow Control

Another key factor driving the market's growth is the ongoing expansion and development of infrastructure worldwide. Infrastructure involves constructing and upgrading essential physical facilities such as transport networks, energy grids, water systems, and industrial plants, which

underpin economic and social activities. Accelerating government and private sector investments in these areas, especially in rapidly growing economies and regions with aging infrastructure, are fueling sustained construction and modernization efforts.

This surge in infrastructure projects increases the demand for automated systems capable of precise fluid and gas regulation within pipelines, HVAC installations, water treatment plants, and industrial processes. For example, data from the UK's Office for National Statistics show that infrastructure investment reached £20.3 billion (\$23.64 billion) in 2024, a 16.9% increase over the previous year. Such developments highlight how infrastructure growth is a significant driver for two port solenoid valve market expansion.

#### Regional Market Leadership and Growth Forecast

In terms of regional dominance, Asia-Pacific held the largest share of the two port solenoid valve market in 2025. This region's robust industrial base and rapid infrastructure development contribute to its market leadership. On the other hand, North America is projected to emerge as the fastest-growing region during the forecast period, driven by advanced technological adoption and increasing automation in manufacturing. The market analysis encompasses key regions such as Asia-Pacific, South East Asia, Western and Eastern Europe, North America, South America, the Middle East, and Africa, offering a detailed global perspective.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: [marketing@tbrc.info](mailto:marketing@tbrc.info)

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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