

United States Valves in Water and Wastewater Industry - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The United States Valves Market in Water and Wastewater Industry is expected to grow from USD 1.67 billion in 2024 to USD 1.96 billion by 2029, at a CAGR of 3.28% during the forecast period (2024-2029).

The growth in the United States Valves Market in Water and Wastewater Industry is attributed to the increasing automation in the water and wastewater industry. Moreover, the increasing adoption of 3D printing for valve manufacturing is further pushing the demand for Laser Transmitters in the United States.

Key Highlights

- Water has been one of the essential elements for thriving communities. According to the US Environmental Protection Agency, each American uses up to 80 gallons of water per day. Therefore, the nation demands advanced and sophisticated water and wastewater infrastructure.
- The water infrastructure has been challenging for the United States for quite some time, as many of them were built 50 years ago. Therefore, the aging infrastructure is driving new projects that involve the replacement and renewal of pipelines. This is expected to drive demand for new valves in the studied market.
- Intense competition amongst all end users is driving the US valves market in the water and wastewater industry. The end users will invest in valves to boost their productivity, integrate the global value chain, and enable innovation and the shift to sustainable production while reducing the time to market and business risk.
- The market faces many challenges, such as the 'perfect competition' business environment in the US market for automatic valves used in the water and wastewater industry. Additionally, the aggravating economic instability in the wake of COVID-19 in the nation and the world further compounds the crisis.
- Further, the COVID-19 pandemic has largely impacted the water, energy, ecology, and food industries. Labour shortfall, budget

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constraint, and supply chain problems have all hampered the service of the manufacturing and supply chain of the United States valves market.

Water & Wastewater US Valves Market Trends

The Need to Replace Aging Water and Wastewater Infrastructure Across the Nation and Supporting Government Loans

- The drinking water Infrastructure is graded by the American Society of Civil Engineers (ASCE), and in its Infrastructure report in 2017, the drinking water infrastructure earned a D grade. However, in 2021, the infrastructure earned a C grade. This shows improvement over the last four years due to the expansion of federal financing programs and technological innovations.
- Thus, the government aims to improve further with better loans granted for water and wastewater infrastructure projects. In June 2022, the US Environmental Protection Agency (EPA) announced funding availability of USD 6.5 billion of a total of USD 13 billion for the state Infrastructure Financing Authority WIFIA (SWIFIA) program and the Water Infrastructure Finance and Innovation Act (WIFIA) program. Therefore, such developments are driving the requirement for new valves or replacement of older valves and driving sales for the market studied.
- Similarly, in July 2022, The New York State Environmental Facilities Corporation announced to help 11 advanced municipality infrastructures that protect or improve water quality with an investment of USD 70 million. Such projects are driving the demand for the valves studied in the market.
- Further, with a growing population and land subsidence, there has been excessive usage of groundwater in all parts of the United States. This is causing the depletion of drinking water. To address the water demands, the government is investing in water infrastructure to draw water from the surface and enable groundwater replenishment. Thus, such projects are also driving the demand for valves in the market.

Water Distribution Segment is Expected to Drive the Market

- Moreover, the country is also witnessing demands for hospitals. For instance, as of June 2022, the country has USD 500 million worth of ongoing hospital construction. Some of the projects include an Outpatient surgery Plant worth USD 579 million by UC Davis, a USD 2 billion construction project by Sharp Healthcare, a USD 4.3 billion hospital construction project from the University of California San Francisco, and others. Such developments are expected to drive opportunities for valve vendors in the water distribution sector.
- Therefore, such investments for water distribution in the country are expected to drive the demand for the valves studied in the market. Control valves studied are an important part of water distribution. Some of the functions offered by the control valves are controlling the flow and controlling the pressure or water level that allows the safe filling of pipelines and release of the air during filling operations.
- Vendors in the market are integrating pilot valves with axial flow designs to enable the valve to be fully operating at 1% to 100% opening to deliver extreme precision and maintain a stable flow.
- Furthermore, according to the United States Environmental Protection Agency, household leaks in the US could waste approximately 900 billion gallons of water annually in the country, and therefore, the need for valves of different types is growing in residential constructions for water distribution.

Water & Wastewater US Valves Industry Overview

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The United States Valves Market in Water and Wastewater Industry is moderately fragmented, with local and international players having decades of industry experience. Major vendors in the market are further focusing on offering integrated solutions to attract consumers. Smaller and new vendors in the market are expected to focus on maintaining cost-benefit over major vendors, further intensifying the competition in the country. The market comprises key solutions and service providers, such as American Cast Iron Pipe Company, American Valve Inc, Ari Valve Corporation, Baker Hughes, and Belimo Aircontrols (USA) Inc. (Belimo Holding Ag), among others.

- July 2022 - Bray International Inc launched The Tri Lok triple offset butterfly valve, which is a premier isolation valve designed for low vacuum to high-pressure applications. It is ideal for applications requiring absolute zero leakage. Tri Lok valves save space and weight while lowering installation and maintenance costs compared to the gate, globe, or ball valves of the same size and pressure class.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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