

# **Water Treatment Industry Valves Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Valve Type (Ball Valves, Butterfly Valves, Diaphragm Valves, Safety Valves, Check Valves, Gate Valves, and Others) and Material Type (Steel Alloys, Stainless Steel, Cast Iron, and Others)**

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## **Abstracts**

The water treatment industry valves market was valued at US\$ 10,853.95 million in 2022 and is projected to reach US\$ 16,282.87 million by 2030; it is expected to grow at a CAGR of 5.2% from 2022 to 2030.

Rising Development of Next Generation Valves is One of the Major Trend of the Water Treatment Industry Valves Market Growth

Valve manufacturers have started integrating automation and IoT technologies into valves in order to increase overall efficiency and effectiveness. Smart valves make use of IoT technologies to regulate, monitor, and automate valve operations more efficiently. These next-generation valves manage flow rates and pressure to ensure equal resource allocation. They maintain a steady and balanced supply, preventing issues such as water hammer, poor distribution, and excessive use. Furthermore, smart valves use advanced sensors and algorithms to detect leaks early. Smart valves can detect unusual changes in pressure and flow rates and inform operators of potential leaks. This reduces damage and prevents resource waste. Thus, owing to such benefits of the technology-integrated valves, many manufacturers are focusing on product development strategies. In November 2021, Rusco released a smart automatic ball valve controlled by an app. The Smart Ball Valve is easily compatible with a few smartphones, allowing for program automation and simplifying two major functions: sediment flushing and flow shutoff. The product can be utilized in home filtration, well

water, and commercial and municipal applications and is available in both Wi-Fi and Zigbee variants, ensuring maximum access to the technology. In June 2023, SANKING introduced the Intelligent Motorized Ball Valve to suit the management and control requirements of the new era of pipe systems. The valve has two communication modes, MODBUS485 and 4–20mA, and might be integrated with a PLC for remote management and real-time feedback. These valves are particularly useful for applications that demand precise flow control, such as dosing and water treatment systems. In June 2023, Aquana, LLC. announced the launch of its latest product, a new remote shutoff valve, in the IoT platform portfolio. The Aquana AVS valve is an IP68-rated remote disconnect ball valve that works with any existing Advanced Metering Infrastructure (AMI) platform. The Aquana valve is a cost-effective solution for water utilities looking to implement remote water shutoff within their service zone. Thus, the development of next-generation valves by manufacturers is expected to create several opportunities for the water treatment industry valves market growth during the forecast period.

Based on valve type, the water treatment industry valves market analysis has been carried out by considering the following segments: gate valves, butterfly valves, diaphragm valves, safety valves, check valves, ball valves, and others. The ball valve segment dominates the water treatment industry valves market share. Diaphragm valves are bidirectional valves that are majorly used as on-off throttle valves. These valves are used for low-pressure applications. The liquid flow across these valves is smooth and streamlined, minimizing pressure drops. Diaphragm valves have anti-leak features, making them efficient for liquid flow containing solid particles. These valves generally have two types: weir-type diaphragm valves and straight-through diaphragm valves. There is a growing demand for these valves from various end-use industries. The major industries using diaphragm valves include food & beverages (including dairy, wine), agriculture, and pharmaceuticals, and water treatment industry.

The water treatment industry valves market forecast is estimated on the basis of various secondary and primary research findings such as key company publications, association data, and databases. The water treatment industry valves market report emphasizes the key factors driving the market and depicts the developments of prominent players. Velan Inc, Alfa Laval Solution, Flowserve Corporation, Emerson Electric Co, Dutch Valve Vision, Valco Group, American AVK Co, Kitz Corporation, Spirax Sarco Engineering Plc, and DeZURIK Inc are among the key players covered in the water treatment industry valves market report. The report includes growth prospects in light of current water treatment industry valves market trends and driving factors influencing the market.

Inorganic and organic strategies such as mergers and acquisitions are highly adopted by companies in the water treatment industry valves market. The market initiative is a

strategy adopted by companies to expand their footprint across the world and to meet the growing customer demand. The market players present in the water treatment industry valves market are mainly focusing on product and service enhancements by integrating advanced features and technologies into their offerings.

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