

# North America IoT Valves Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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## Abstracts

The North America IoT valves market is projected to grow significantly, reaching approximately US\$ 817.27 million by 2031, up from US\$ 379.74 million in 2023, reflecting a compound annual growth rate (CAGR) of 10.1% during this period.

### Executive Summary and Market Analysis

In the United States, there is a growing trend among businesses to adopt automation and advanced technologies. The widespread availability of the Internet in North America, along with initiatives from major industry players to promote digital technologies, is driving the adoption of IoT valves. A notable example is Rusco, a US-based manufacturer, which launched the "Smart Ball Valve" in November 2021. This innovative valve can be controlled via mobile applications on Android and Apple devices, utilizing Zigbee and Wi-Fi connectivity. Designed for commercial, municipal, and residential water filtration systems, the smart valve automates essential functions such as flow shut-off and sediment flushing. It also provides alerts for operational interruptions and ensures safe shut-off during power outages, enhancing the performance of water filtration systems. Consequently, the North American IoT valves market is heavily influenced by automation and the development of smart solutions in water filtration.

The demand for IoT valves is increasing across various sectors, including wastewater management and industrial water and chemical processing. The low headloss characteristics of IoT valves contribute to reduced energy costs in these applications. To meet this rising demand, companies in North America are actively developing innovative IoT valve solutions.

## Market Segmentation Analysis

The North America IoT valves market can be segmented based on connectivity, type, and end-user industry.

- Connectivity: The market is divided into wired and wireless segments, with wired connectivity holding a larger market share in 2023.
- Type: The market is categorized into pressure independent control valves (PICV), regular valves, and energy valves, with PICVs dominating the market share in 2023. Regular valves are further classified into ball valves, butterfly valves, safety valves, and others.
- End-User Industry: The market is segmented into industrial, commercial, and residential sectors, with the industrial segment leading in market share in 2023.

## Market Outlook

Automation and smart solutions are increasingly prevalent in various industries, including oil & gas, water management, and energy. According to OpenGov Asia, Germany ranks fifth globally in automation and smart solutions, following China, Japan, Korea, and the US. Various government and industry organizations have initiated the Hightech Strategy to promote the adoption of digital products and IoT business models, focusing on Industry 4.0 to enhance manufacturing practices through IoT integration.

The installation of IoT-based equipment, sensors, and smart solutions is streamlining operations across industries. The growing trend of automation and smart solutions is driving the integration of IoT technologies in manufacturing facilities. In the oil & gas sector, manufacturers are increasingly adopting IoT and automation to minimize downtime, optimize resource use, and enhance productivity. Features such as predictive maintenance, energy efficiency, and human-machine collaboration are becoming standard. IoT valves facilitate remote control and intelligent automation, leading to energy savings, cost reductions, and improved safety, thus propelling the global IoT valve market.

## Country Insights

The North America IoT valves market includes the US, Canada, and Mexico, with the US holding the largest market share in 2023. The US is a leading petroleum producer, with over 500,000 active wells and 130 refineries, as reported by the US Energy Information Administration. The country is focused on expanding its refining capacity

and building new refineries, which increases the demand for IoT valves to ensure efficient operations. Companies like Emerson Electric Co and Flowserve Corp are supplying IoT valves for use in oil and gas refineries, which require advanced monitoring and control capabilities.

## **Company Profiles**

Key players in the IoT valves market include Klinger Holding GmbH, KTW Technology GMBH, Carrier Global Corp, Belimo Holding AG, IMI Plc, Ultra Clean Holdings Inc, Siemens AG, Flowserve Corp, Honeywell International Inc, Larsen & Toubro Ltd, Smart Wires Inc, Flow Dynamics LLC, IoT Technologies, ChengDu ZhiCheng Technology Co., Ltd., Teksun Inc., Autorun Control Valve Co., Ltd., Ham-Let Group, and Rusco. These companies are pursuing strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to customers.

## **Reason to buy**

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America IoT valves market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in North America IoT valves market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the IoT valves market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin security interest with respect to client products, segmentation, pricing, and distribution.

## Companies

Klinger Holding GmbH

KTW Technology GMBH

Carrier Global Corp

Belimo Holding AG

IMI Plc

Ultra Clean Holdings Inc

Siemens AG

Flowserve Corp

Honeywell International Inc

Larsen & Toubro Ltd

Smart Wires Inc

Flow Dynamics LLC

IoT Technologies

ChengDu ZhiCheng Technology Co., Ltd.

Teksun Inc.

Autorun Control Valve Co.,Ltd.

Ham-Let Group

Rusco

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