

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

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## Abstracts

The South and Central America (SAM) IoT valves market is projected to grow significantly, reaching approximately US\$ 45.84 million by 2031, up from US\$ 28.04 million in 2023, reflecting a compound annual growth rate (CAGR) of 6.3% during this period.

### Executive Summary and Market Analysis

The SAM IoT valves market is primarily divided into three regions: Brazil, Argentina, and the Rest of SAM. Countries like Brazil and Venezuela are actively enhancing their domestic oil and gas production capabilities. In 2022, Brazil's natural gas output was reported at 138 million cubic meters per day, marking a 2.98% increase from the previous year. The average daily supply of natural gas was around 47.56 million cubic meters. Furthermore, Brazil's Energy Expansion Plan for 2022–2032 anticipates that oil production will reach 4.9 million barrels per day by 2032, with pre-salt fields contributing approximately 80% of this output. This surge in oil and gas production is driving the demand for IoT valves in the region.

Additionally, the increasing need for effective water and wastewater management in SAM is expected to boost the demand for IoT valves, which are essential for regulating water flow and pressure. According to the World Health Organization (WHO), about 87% of the population in Latin America and the Caribbean has access to basic sanitation services, but only 31% have safely managed sanitation services. Approximately 66% of the population is connected to sewage systems, yet only 30-40% of the collected wastewater is treated. To address these challenges, Latin America and the Caribbean are striving to meet the United Nations' Sustainable Development Goal of

ensuring clean water and sanitation by 2030. Consequently, government initiatives aimed at improving water and sanitation services will further drive the demand for IoT valves in the coming years.

## **Market Segmentation Analysis**

The SAM 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. The PICV segment dominated the market 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 sector accounting for the largest share in 2023.

## **Market Outlook**

In the current digital age, the demand for IoT technologies is surging. However, challenges such as scalability and security arise from the centralized architecture of IoT systems. These challenges can be mitigated through the decentralized architecture of blockchain technology. Blockchain can create a secure ledger for IoT data, ensuring its reliability and accuracy. It allows for the establishment of secure identities for IoT devices, reducing the risk of unauthorized access through cryptographic verification of device identities. By managing data access rights and encryption keys via blockchain, IoT systems can enhance user data protection and privacy. The scalability of IoT networks is also improved through blockchain's consensus mechanisms and distributed architecture, allowing for seamless integration of new devices. The combination of IoT and blockchain presents opportunities for innovative applications in smart cities, energy management, healthcare, and supply chain logistics. This integration is expected to enhance data security, traceability, and accountability in processes involving IoT valves, particularly in supply chain and process management. Thus, the growing integration of IoT with blockchain is likely to introduce new trends in the IoT valves market.

## **Country Insights**

The SAM IoT valves market is primarily composed of Brazil, Argentina, and other countries in the region, with Brazil leading the market share in 2023. Brazil's burgeoning

pharmaceutical sector is driving the demand for IoT valves for flow control applications. Notably, international companies are expanding their operations in Brazil. For instance, in July 2023, Neuraxpharm Group, a European specialty pharmaceutical company, announced its establishment in Brazil and Mexico, the two largest pharmaceutical markets in Latin America. This expansion includes the acquisition of Libber Pharma, which will facilitate the distribution and commercialization of Neuraxpharm products in Brazil, further stimulating the IoT valves market.

## **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, among others. These companies are pursuing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to consumers.

## **Reason to buy**

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the South & Central 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 South & Central 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 South & Central 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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