

South & Central America UV Disinfection Equipment Market Forecast to 2030 – Regional Analysis – By Component (UV lamps, Reactor Chambers, Quartz Sleeves, Control Units, and Others), Power Rating (Low, High, and Medium), By Application (Water Disinfection, Air Disinfection, and Surface Disinfection), and End-user (Residential, Commercial, Industrial, and Municipal)

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Abstracts

The South & Central America UV disinfection equipment market is expected to grow from US\$ 260.99 million in 2022 to US\$ 495.51 million by 2030. It is estimated to grow at a CAGR of 8.3% from 2022 to 2030.

Increasing demand in Water and Wastewater Treatment Equipment Manufacturing Fuels South & Central America UV Disinfection Equipment Market

Public water and wastewater treatment operations are crucial to prevent several health hazards caused by water usage. Diarrhea is one most common disease affecting children, which may harm their cognitive and overall development. According to the Centers for Disease Control and Prevention (CDC), ~88% of diarrhea-associated deaths are caused by unsafe water, inadequate sanitation, and insufficient hygiene. As per Our World in Data, nearly 1.5 million people died from diarrheal diseases in 2019. Due to the increasing risk of water-borne diseases the demand for UV disinfection equipment is expected to increase in the near future.

The global America population increased by over 6 billion people in the last 30 years.

Thus, rising urbanization and a growing population are crucial factors that are expected to trigger the adoption of UV disinfection equipment in the coming years as a more effective and safer alternative to conventional water purification techniques. Therefore, the use of UV disinfection systems to treat water and wastewater for residential, commercial, industrial, and municipal applications is gaining traction due to its environmentally friendly operations, which creates opportunities for the market players.

South & Central America UV Disinfection Equipment Market Overview

The UV disinfection equipment market in South America (SAM) is segmented into Brazil, Argentina, and the Rest of SAM. These countries are experiencing a rise in the middle-class population and growth in urbanization, fueling the infrastructure development in the region. Also, governments of these economies are investing in infrastructure development. According to International Trade Administration in August 2022, Inter-American Development Bank and World Bank are providing funds for Argentina's infrastructure development. They invested around US\$ 20 million in small infrastructure development to improve housing, roads, waterworks, and more. This will further contribute to the demand for UV disinfectant equipment across the country. Peru released a National Infrastructure Plan (PNIC) in 2019, citing a US\$ 110 billion need to overcome Peru's long-term infrastructure shortfall over the next 20 years. The infrastructural development in the region generates the demand for UV disinfection equipment to enhance the safety and well-being of the people. This equipment is highly effective in eliminating harmful bacteria and viruses. The growing awareness regarding sustainable disinfection methods fuels the adoption of UV disinfectant solutions for the rising infrastructure development in SAM.

South & Central America UV Disinfection Equipment Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America UV Disinfection Equipment Market Segmentation

The South & Central America UV disinfection equipment market is segmented into component, power rating, application, end user, and country.

Based on component, the South & Central America UV disinfection equipment market is segmented into UV lamps, reactor chambers, quartz sleeves, control units, and others. The UV lamps segment registered the largest South & Central America UV disinfection equipment market share in 2022.

Based on power rating, the South & Central America UV disinfection equipment market is segmented into low, medium, and high. The medium segment registered the largest South & Central America UV disinfection equipment market share in 2022.

Based on application, the South & Central America UV disinfection equipment market is segmented water disinfection, air disinfection, and surface disinfection. The water disinfection segment registered the largest South & Central America UV disinfection equipment market share in 2022. The water disinfection segment is further subsegmented into wastewater treatment plants market and aquaculture market.

Based on end users, the South & Central America UV disinfection equipment market is segmented into residential, commercial, industrial, and municipal. The municipal segment registered the largest South & Central America UV disinfection equipment market share in 2022.

Based on country, the South & Central America UV disinfection equipment market has been categorized into Brazil, Argentina, and the Rest of South & Central America. The Rest of South & Central America dominated the South & Central America UV disinfection equipment market in 2022.

Xylem Inc, Halma plc, Kuraray Co Ltd, and Dr H?nle AG are some of the leading companies operating in the UV disinfection equipment market in the region.

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