

# North America Ultraviolet Disinfection Equipment Market Size, Share & Trends Analysis Report By End-use (Commercial, Industrial), By Component Type (Quartz Sleeves, UV Lamps), By Application, And Segment Forecasts, 2022 - 2030

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## Abstracts

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### North America Ultraviolet Disinfection Equipment Market Growth & Trends

The North America ultraviolet disinfection equipment market size is anticipated to reach USD 1.97 billion by 2030, registering a CAGR of 5.6% over the forecast years, according to a new report by Grand View Research, Inc. Rising product demand in the healthcare industry on account of the high prevalence of coronavirus is expected to drive the industry growth. According to the WHO, of every hundred patients hospitalized at any given time, ten in emerging nations and seven in industrialized nations will acquire at least one Healthcare-associated Infections (HAI). Infection rates are much greater in middle- and low-income nations, which boost the product demand in the healthcare industry.

The rising frequency of coronavirus, combined with increased R&D investment, will further drive the product demand. Mercury bulbs have always been used in ultraviolet (UV) systems to reduce microbes in residential drinking systems; however, on account of their high toxicity, the demand for UV LEDs is increasing. UV disinfection systems have been acknowledged by public health agencies as an effective technique for treating drinking water, reclaimed water, and wastewater. According to the Washington State University, UV disinfection equipment is energy-intensive as they account for around 10–25% of the total electrical energy used at a municipal wastewater treatment

plant.

These systems have a lesser environmental impact than sodium hypochlorite and chlorine gas as ultraviolet is largely controlled by the composition of the electrical grid. This makes UV a versatile technology. It is projected to lessen its environmental impact in the coming years as more and more power sources become green. Companies are undertaking strategies like acquisitions, partnerships, and product launches to strengthen their product portfolio. Owing to the increasing demand for devices with UV technology in light of the COVID-19 pandemic, major manufacturers are focusing on product improvements and technical advancements.

### North America Ultraviolet Disinfection Equipment Market Report Highlights

The UV lamps segment led the industry in 2021 owing to the low-pressure bulbs that are mostly used in applications where the flow rates are low and exposure times can be longer

The demand for UV-C surface disinfection products in hospitals has increased rapidly in recent years as they can disinfect all the surfaces in a room at once, without using hazardous chemicals and with minimum labor

The municipal segment led the industry in 2021 owing to the increased penetration of the technology in water & wastewater treatment plants in developed countries

The rising spending capability of consumers and the growing emphasis on water treatment in the region are expected to drive the product demand

In August 2020, H?nle acquired Disinfection Specialist, STERILSYSTEMS, which is engaged in the development of highly-efficient UVC systems for water disinfection, air, and surface sterilization, and odor neutralization

## Contents

### CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope and Assumptions
- 1.3. Information Procurement
  - 1.3.1. Purchased Database
  - 1.3.2. GVR's Internal Database
  - 1.3.3. Secondary Sources & Third-Party Perspectives
  - 1.3.4. Primary Research
- 1.4. Information Analysis
  - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

### CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segmental Outlook
- 2.3. Competitive Insights

### CHAPTER 3. MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1. Market Segmentation & Scope
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Industry Value Chain Analysis
- 3.4. Regulatory Framework
- 3.5. Technology Framework
- 3.6. Market Dynamics
  - 3.6.1. Market Driver Analysis
  - 3.6.2. Market Restraint Analysis
  - 3.6.3. Industry Challenges
- 3.7. Business Environmental Tools Analysis: North America UV Disinfection Equipment Market
  - 3.7.1. Porter's Five Forces Analysis
    - 3.7.1.1. Bargaining Power of Suppliers
    - 3.7.1.2. Bargaining Power of Buyers
    - 3.7.1.3. Threat of Substitution

- 3.7.1.4. Threat of New Entrants
- 3.7.1.5. Competitive Rivalry
- 3.7.2. PESTLE Analysis
  - 3.7.2.1. Political Landscape
  - 3.7.2.2. Economic Landscape
  - 3.7.2.3. Social Landscape
  - 3.7.2.4. Technology Landscape
  - 3.7.2.5. Environmental Landscape
  - 3.7.2.6. Legal Landscape
- 3.8. COVID Impact Analysis

## **CHAPTER 4. NORTH AMERICA ULTRAVIOLET DISINFECTION EQUIPMENT MARKET: COMPONENT TYPE ESTIMATES & TREND ANALYSIS**

- 4.1. North America Ultraviolet Disinfection Equipment Market: Component Type Movement Analysis, 2021 & 2030
- 4.2. UV lamps
  - 4.2.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 4.3. Ballasts/Controller Units
  - 4.3.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 4.4. Quartz Sleeves
  - 4.4.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 4.5. Reactor Chambers
  - 4.5.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 4.6. Others
  - 4.6.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

## **CHAPTER 5. NORTH AMERICA ULTRAVIOLET DISINFECTION EQUIPMENT MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

- 5.1. North America Ultraviolet Disinfection Equipment Market: Application Movement Analysis, 2021 & 2030
- 5.2. Water & Wastewater Treatment
  - 5.2.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 5.3. Air Treatment
  - 5.3.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)
- 5.4. Surface Disinfection
  - 5.4.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

## **CHAPTER 6. NORTH AMERICA ULTRAVIOLET DISINFECTION EQUIPMENT MARKET: END-USE ESTIMATES & TREND ANALYSIS**

6.1. North America Ultraviolet Disinfection Equipment Market: End-Use Movement Analysis, 2021 & 2030

6.2. Municipal

6.2.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

6.3. Residential

6.3.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

6.4. Commercial

6.4.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

6.5. Industrial

6.5.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

## **CHAPTER 7. NORTH AMERICA ULTRAVIOLET DISINFECTION EQUIPMENT MARKET: COUNTRY ESTIMATES & TREND ANALYSIS**

7.1. North America Ultraviolet Disinfection Equipment Country Movement Analysis, 2021 & 2030

7.1.1. U.S.

7.1.1.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

7.1.1.2. Market estimates and forecasts, by component type, 2017 - 2030 (USD Billion)

7.1.1.3. Market estimates and forecasts, by application, 2017 - 2030 (USD Billion)

7.1.1.4. Market estimates and forecasts, by end-use, 2017 - 2030 (USD Billion)

7.1.2. Canada

7.1.2.1. Market estimates and forecasts, 2017 - 2030 (USD Billion) (Units)

7.1.2.2. Market estimates and forecasts, by component type, 2017 - 2030 (USD Billion)

7.1.2.3. Market estimates and forecasts, by application, 2017 - 2030 (USD Billion)

7.1.2.4. Market estimates and forecasts, by end-use, 2017 - 2030 (USD Billion)

7.1.3. Mexico

7.1.3.1. Market estimates and forecasts, 2017 - 2030 (USD Billion)

7.1.3.2. Market estimates and forecasts, by component type, 2017 - 2030 (USD Billion)

7.1.3.3. Market estimates and forecasts, by application, 2017 - 2030 (USD Billion)

7.1.3.4. Market estimates and forecasts, by end-use, 2017 - 2030 (USD Billion)

## **CHAPTER 8. COMPETITIVE LANDSCAPE**

- 8.1. Key Players, Recent Developments & Their Impact on the Industry
- 8.2. Key Company/Competition Categorization
- 8.3. Vendor Landscape
- 8.4. Competitive Dashboard Analysis
- 8.5. Public Companies
  - 8.5.1. Company Market Position Analysis
- 8.6. Private Companies
  - 8.6.1. List of Key Emerging Companies And Their Geographical Presence

## **CHAPTER 9. COMPANY PROFILES**

- 9.1. Xylem
  - 9.1.1. Company overview
  - 9.1.2. Financial performance
  - 9.1.3. Product benchmarking
  - 9.1.4. Strategic initiatives
- 9.2. Trojan Technologies
  - 9.2.1. Company overview
  - 9.2.2. Financial performance
  - 9.2.3. Product benchmarking
  - 9.2.4. Strategic initiatives
- 9.3. Halma PLC
  - 9.3.1. Company overview
  - 9.3.2. Financial performance
  - 9.3.3. Product benchmarking
  - 9.3.4. Strategic initiatives
- 9.4. Calgon Carbon Corporation
  - 9.4.1. Company overview
  - 9.4.2. Financial performance
  - 9.4.3. Product benchmarking
  - 9.4.4. Strategic initiatives
- 9.5. Atlantic Ultraviolet Corporation
  - 9.5.1. Company overview
  - 9.5.2. Financial performance
  - 9.5.3. Product benchmarking
  - 9.5.4. Strategic initiatives
- 9.6. Evoqua Water Technologies LLC
  - 9.6.1. Company overview

- 9.6.2. Financial performance
- 9.6.3. Product benchmarking
- 9.6.4. Strategic initiatives
- 9.7. Advanced UV, Inc.
  - 9.7.1. Company overview
  - 9.7.2. Financial performance
  - 9.7.3. Product benchmarking
  - 9.7.4. Strategic initiatives
- 9.8. American Ultraviolet
  - 9.8.1. Company overview
  - 9.8.2. Financial performance
  - 9.8.3. Product benchmarking
  - 9.8.4. Strategic initiatives
- 9.9. Atlantium Technologies Ltd.
  - 9.9.1. Company overview
  - 9.9.2. Financial performance
  - 9.9.3. Product benchmarking
  - 9.9.4. Strategic initiatives
- 9.10. Dr. Honle AG
  - 9.10.1. Company overview
  - 9.10.2. Financial performance
  - 9.10.3. Product benchmarking
  - 9.10.4. Strategic initiatives
- 9.11. Lumalier Corporation
  - 9.11.1. Company overview
  - 9.11.2. Financial performance
  - 9.11.3. Product benchmarking
  - 9.11.4. Strategic initiatives
- 9.12. Xenex
  - 9.12.1. Company overview
  - 9.12.2. Financial performance
  - 9.12.3. Product benchmarking
  - 9.12.4. Strategic initiatives
- 9.13. ENAQUA
  - 9.13.1. Company overview
  - 9.13.2. Financial performance
  - 9.13.3. Product benchmarking
  - 9.13.4. Strategic initiatives
- 9.14. Sanuvox

- 9.14.1. Company overview
- 9.14.2. Financial performance
- 9.14.3. Product benchmarking
- 9.14.4. Strategic initiatives
- 9.15. LightSources
  - 9.15.1. Company overview
  - 9.15.2. Financial performance
  - 9.15.3. Product benchmarking
  - 9.15.4. Strategic initiatives



## List Of Tables

### LIST OF TABLES

Table 1. North America ultraviolet disinfection equipment market estimates and forecasts, 2017 - 2030 (USD Million)

Table 2. North America ultraviolet disinfection equipment market estimates and forecasts, by component-type, 2017 - 2030 (USD Million)

Table 3. North America ultraviolet disinfection equipment market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 4. North America ultraviolet disinfection equipment market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 5. U.S. ultraviolet disinfection equipment market estimates and forecasts, 2017 - 2030 (USD Million)

Table 6. U.S. ultraviolet disinfection equipment market estimates and forecasts, by component-type, 2017 - 2030 (USD Million)

Table 7. U.S. ultraviolet disinfection equipment market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 8. U.S. ultraviolet disinfection equipment market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 9. Canada ultraviolet disinfection equipment market estimates and forecasts, 2017 - 2030 (USD Million)

Table 10. Canada ultraviolet disinfection equipment market estimates and forecasts, by component-type, 2017 - 2030 (USD Million)

Table 11. Canada ultraviolet disinfection equipment market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 12. Canada ultraviolet disinfection equipment market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 13. Mexico ultraviolet disinfection equipment market estimates and forecasts, 2017 - 2030 (USD Million)

Table 14. Mexico ultraviolet disinfection equipment market estimates and forecasts, by component-type, 2017 - 2030 (USD Million)

Table 15. Mexico ultraviolet disinfection equipment market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 16. Mexico ultraviolet disinfection equipment market estimates and forecasts, by End-use, 2017 - 2030 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Information Procurement
- Fig. 2 Primary Research Pattern
- Fig. 3 Primary Research Process
- Fig. 4 Market research approaches - Bottom Up Approach
- Fig. 5 Market research approaches - Top Down Approach
- Fig. 6 Market research approaches - Combined Approach
- Fig. 7 Market Outlook
- Fig. 8 Segmental Outlook
- Fig. 9 Market Segmentation & Scope
- Fig. 10 Penetration and Growth Prospect Mapping
- Fig. 11 Industry Value Chain Analysis
- Fig. 12 Market Driver Analysis
- Fig. 13 Types of healthcare-associated infection in the US, 2018
- Fig. 14 Market Restraint Analysis
- Fig. 15 Industry Challenge
- Fig. 16 North America Ultraviolet Disinfection Equipment Market: Component Movement Analysis, 2021 & 2030
- Fig. 17 North America Ultraviolet Disinfection Equipment Market: Application Movement Analysis, 2021 & 2030
- Fig. 18 North America Ultraviolet Disinfection Equipment Market: End-use Analysis, 2021 & 2030
- Fig. 19 North America Ultraviolet Disinfection Equipment Market: Country Movement Analysis, 2021 & 2030
- Fig. 20 Competitive Dashboard
- Fig. 21 Strategic Framework

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