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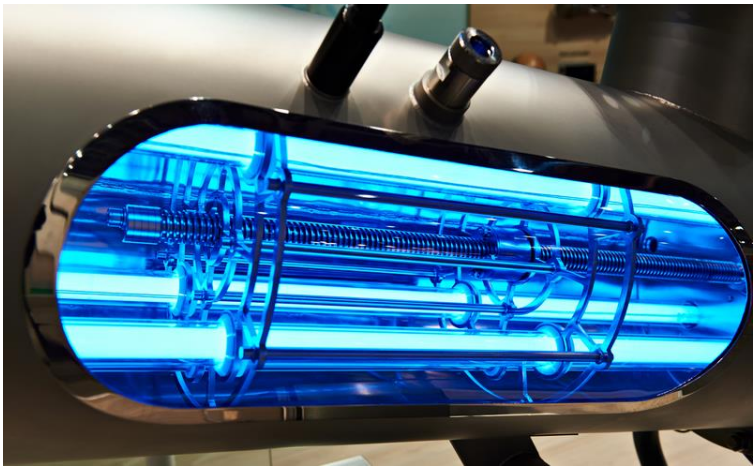

Freedonia Focus Reports
US Collection

Water Disinfection Equipment: United States

October 2019

www.freedoniafocusreports.com

Table of Contents

List of Tables & Figures

About This Report

Scope

This report forecasts to 2023 US water disinfection equipment demand in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- chemical generation equipment
- ultraviolet (UV) equipment
- ozone generation equipment
- other products such as thermal equipment, ultrasonic equipment, and electrolytic equipment

Total demand is also segmented by market as follows:

- municipal
- commercial and residential
- manufacturing
- other markets such as power generation, aquaculture and agriculture, mining, and oil and gas production

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

In the scope of this report, water disinfection equipment is defined as equipment used to treat water used as supply, process, cooling, or boiler water, or wastewater from municipal and industrial sources. Excluded from this report are bulk chemicals not administered via chemical generation equipment, other types of water treatment equipment such as filtration or membrane systems, and non-treatment equipment such as monitoring and metering systems.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Water Disinfection Equipment: United States (FF35066) is based on *Global Water Treatment Equipment & Chemicals*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies

- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | NAICS & SIC Codes Related to Water Disinfection Equipment

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
221310	Water Supply and Irrigation Systems	3559	Special Industry Machinery, NEC
333318	Other Commercial and Service Industry Machinery Mfg	3589	Service Industry Machinery, NEC
335129	Other Lighting Equipment Mfg	3648	Lighting Equipment, NEC
		4941	Water Supply

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis,

end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2. The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Global Water Treatment Equipment & Chemicals

Freedonia Industry Studies

Activated Carbon
Consumer Water Treatment Systems in the US
Food Safety Products in the US
Pipe: Products & Markets

Freedonia Focus Reports

Beverages: United States
Bottled Water: United States
Consumer Water Treatment Systems: Canada
Consumer Water Treatment Systems: United States
Global Consumer Water Treatment Systems
Potable Water Pipe: United States
Precast Water & Waste Handling Products: United States
Water: United States
Water Transport Services: United States

Freedonia Custom Research

Trade Publications

Treatment Plant Operator
Water & Wastes Digest
Water & Wastewater Treatment
Water Intelligence Online
Water Online
Water Quality Products
Water Technology
WaterWorld

Agencies & Associations

American Water Works Association
Association of Water Technologies
International Water Association
National Rural Water Association
United States Census Bureau
Water Quality Association