

# **North America Ozone Water Generator Market By Technology (Ultraviolet, Cold Plasma, Corona Discharge, Electrolytic), By Application (Municipal Water Treatment, Industrial Process Water Treatment, Others), By Country, By Competition, Forecast and Opportunities 2020-2030F**

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## **Abstracts**

### **Market Overview**

The North America Ozone Water Generator Market was valued at USD 39.78 Million in 2024 and is projected to reach USD 58.73 Million by 2030, growing at a CAGR of 6.71% during the forecast period. This growth is fueled by rising demand for advanced water purification solutions across various sectors such as healthcare, food and beverage, municipal water management, and industrial operations. Ozone water generators are favored for their effective disinfection capabilities without the use of harsh chemicals, appealing to industries aiming to reduce environmental impact and enhance water quality. Ozone's high oxidation potential enables it to efficiently eliminate bacteria, viruses, and other contaminants, supporting its widespread application in water treatment processes. Stricter water safety regulations and growing concerns over waterborne illnesses are driving adoption. The expanding use of ozone-treated water in drinking systems, swimming pools, agriculture, and food processing, along with government-backed sustainability programs and ongoing technological innovations, are expected to sustain robust market growth across North America.

### **Key Market Drivers**

Increasing Emphasis on Advanced Water Disinfection Solutions Across Industrial

## Sectors

The North America ozone water generator market is witnessing notable growth as industries increasingly adopt advanced disinfection systems to meet hygiene and quality standards. Sectors such as food and beverage, pharmaceuticals, semiconductors, and manufacturing are embracing ozone-based water treatment due to its high oxidation efficiency and lack of harmful chemical residues. Ozone disinfection ensures regulatory compliance and reduces microbial risks without compromising product integrity, making it an ideal choice in sensitive production environments. Regulatory bodies like the United States Environmental Protection Agency (EPA) and Health Canada are promoting non-chemical sanitation approaches, further reinforcing the shift. In food production, ozone systems are used for surface sanitation and ingredient water treatment, effectively mitigating pathogens such as E. coli and Listeria. Pharmaceutical facilities also rely on high-purity water, and ozone treatment plays a crucial role in clean-in-place protocols. This broad industrial application underscores the ongoing transition toward environmentally responsible water treatment technologies, with ozone water generators gaining traction as a central component of sustainable industrial practices.

## Key Market Challenges

### High Initial Capital Costs Limiting Adoption Among Small and Medium Enterprises

A major challenge facing the North America ozone water generator market is the high upfront investment required for system installation, which restricts adoption among small and medium enterprises (SMEs). Industrial-grade ozone systems involve substantial infrastructure, including ozone generators, oxygen supply units, corrosion-resistant materials, and automation technologies. These systems often demand additional integration with existing water treatment setups and safety controls, further elevating capital requirements. While large corporations may absorb these costs as part of broader sustainability initiatives, SMEs with tighter budgets often find conventional chemical treatments more accessible. Additionally, the long-term cost savings from reduced chemical usage and maintenance may not be immediately realized, deterring smaller businesses from transitioning. The financial strain, combined with uncertainties around return on investment, continues to hinder market expansion in the SME segment. Unless financial support mechanisms such as subsidies or leasing models are introduced, the cost barrier is expected to remain a significant obstacle to widespread market penetration.

## Key Market Trends

### Rising Demand for Chemical-Free Disinfection in Food and Beverage Processing

The North America ozone water generator market is experiencing a rising trend toward chemical-free disinfection, particularly within the food and beverage sector. With increasing awareness around food safety and consumer health, manufacturers are actively replacing chlorine-based disinfectants with ozone solutions. Ozone is highly effective at removing microbial contaminants without leaving chemical residues, making it suitable for use in produce washing, equipment sanitation, and ingredient water purification. Major food production facilities in the U.S. and Canada are incorporating ozone water systems to comply with stringent regulatory standards and meet consumer demand for clean-label and organic food products. Additionally, ozone technology reduces water consumption and streamlines sanitation cycles, enhancing operational efficiency. As the industry moves toward sustainable and non-toxic hygiene practices, ozone water generators are emerging as a preferred solution, reinforcing their growing role in food and beverage processing across the region.

## Key Market Players

Toshiba Corporation

Xylem Inc.

Aqua Air Systems, Inc.

Ozone Water Systems Inc.

MKS Instruments, Inc.

Severn Trent Services, Inc.

Pentair plc

SUEZ Group

## Report Scope

In this report, the North America Ozone Water Generator Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### North America Ozone Water Generator Market, By Technology:

Ultraviolet

Cold Plasma

Corona Discharge

Electrolytic

#### North America Ozone Water Generator Market, By Application:

Municipal Water Treatment

Industrial Process Water Treatment

Others

#### North America Ozone Water Generator Market, By Country:

United States

Canada

Mexico

#### Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the North America Ozone Water Generator Market.

#### Available Customizations

North America Ozone Water Generator Market report with the given market data,

*North America Ozone Water Generator Market By Technology (Ultraviolet, Cold Plasma, Corona Discharge, Electrol...*

TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### 1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
- 1.3. Key Market Segmentations

### 2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Formulation of the Scope
- 2.4. Assumptions and Limitations
- 2.5. Sources of Research
  - 2.5.1. Secondary Research
  - 2.5.2. Primary Research
- 2.6. Approach for the Market Study
  - 2.6.1. The Bottom-Up Approach
  - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
  - 2.8.1. Data Triangulation & Validation

### 3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

### 4. VOICE OF CUSTOMER

### 5. NORTH AMERICA OZONE WATER GENERATOR MARKET OUTLOOK

- 5.1. Market Size & Forecast

- 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Technology (Ultraviolet, Cold Plasma, Corona Discharge, Electrolytic)
  - 5.2.2. By Application (Municipal Water Treatment, Industrial Process Water Treatment, Others)
  - 5.2.3. By Country (United States, Canada, Mexico)
  - 5.2.4. By Company (2024)
- 5.3. Market Map

## **6. UNITED STATES OZONE WATER GENERATOR MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Technology
  - 6.2.2. By Application

## **7. CANADA OZONE WATER GENERATOR MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Technology
  - 7.2.2. By Application

## **8. MEXICO OZONE WATER GENERATOR MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Technology
  - 8.2.2. By Application

## **9. MARKET DYNAMICS**

- 9.1. Drivers
- 9.2. Challenges

## **10. MARKET TRENDS & DEVELOPMENTS**

- 10.1. Merger & Acquisition (If Any)
- 10.2. Product Launches (If Any)
- 10.3. Recent Developments

## **11. COMPANY PROFILES**

- 11.1. Toshiba Corporation
  - 11.1.1. Business Overview
  - 11.1.2. Key Revenue and Financials
  - 11.1.3. Recent Developments
  - 11.1.4. Key Personnel/Key Contact Person
  - 11.1.5. Key Product/Services Offered
- 11.2. Xylem Inc.
- 11.3. Aqua Air Systems, Inc.
- 11.4. Ozone Water Systems Inc.
- 11.5. MKS Instruments, Inc.
- 11.6. Severn Trent Services, Inc.
- 11.7. Pentair plc
- 11.8. SUEZ Group

## **12. STRATEGIC RECOMMENDATIONS**

## **13. ABOUT US & DISCLAIMER**

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