

Ozone Generator Market Set to Expand, Reaching USD 2.27 Billion by 2032 with 6.8% CAGR | Research by SNS Insider

Ozone Generator Market Expands Driven by Rising Water Treatment Needs, Regulatory Support, and Adoption Across Healthcare and Industrial Sectors.

AUSTIN, TX, UNITED STATES, February 4, 2025 /EINPresswire.com/ -- The [Ozone Generator Market](#) size was valued at USD 1.26 billion in 2023 and is expected to grow to USD 2.27 billion by 2032, achieving a robust CAGR of 6.8% from 2024 to 2032.



Advancements Driving Demand of Ozone Generators: Market Size, Technological Growth and Environmental Impact

Growth in the ozone generator market is attributed to the rising concern about water and air pollution and the need for efficient purification solutions. The use of Ozone generators for disinfection and treatment has been an increasing trend in industries like water treatment, food processing, and healthcare. With the current emphasis on sustainable development across the world, ozone generators are acknowledged as environmentally friendly ways to treat municipal water as well as industrial wastewater/effluents, efficiently reducing pathogens, viruses, and organics without producing toxic by-products in the process.

Continuous advancements in technologies result in improvisation of ozone generation processes becoming more efficient results these systems becoming reliable and cost-effective. There is also increased use of ozone generators in air treatment systems, particularly in regions affected by odor, mold, and smoke. Stricter environmental regulations, and the need for compliance with cleaner air and water standards, further bolster this trend toward ozone-based technologies.

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Key Players:

- Mitsubishi: Mitsubishi Ozone Generator Series (Industrial ozone generators for water treatment and air purification)
- Toshiba: Toshiba Ozone Generators (Ozone generation systems for wastewater treatment)
- Daikin: Daikin Ozone Generators (Air conditioning systems with built-in ozone generation for odor control)
- SUEZ: SUEZ Ozone Solutions (Ozone systems for water and wastewater treatment)
- Ozone Tech Systems: OTS Ozone Generators (Compact ozone generators for air and water treatment)
- Primozone: Primozone Ozone Generator (Ozone generation systems designed for various industrial applications)
- EBARA Technologies: EBARA Ozone Generators (Ozone systems for industrial wastewater treatment)
- Lenntech: Lenntech Ozone Generators (Modular ozone systems for water purification)
- DEL Ozone: DEL Ozone Generator Models (Ozone systems for swimming pool sanitation and water treatment)
- METAWATER: METAWATER Ozone Generator (Ozone solutions for drinking water treatment)
- ESCO International: ESCO Ozone Generators (Systems for municipal and industrial wastewater treatment)
- Oxyzone: Oxyzone Ozone Generator Series (Compact systems for air and water treatment)
- Corotec: Corotec Ozone Generator (Ozone generation systems for various applications including food processing)
- Ozonetek: Ozonetek Ozone Generators (High-efficiency ozone generators for industrial applications)
- Aqua Science: Aqua Science Ozone Systems (Ozone generators for water treatment and odor control)
- Ozonias: Ozonias Ozone Generators (Advanced ozone generation systems for various industrial applications)
- HITACHI: HITACHI Ozone Generators (Ozone systems integrated into HVAC applications)
- SICK AG: (Ozone detection and generation technology)
- Blue Sky Water Technologies: Blue Sky Ozone Systems (Ozone generators for air and water purification)
- BWT: (Ozone solutions for water treatment in various industries)

Technological advancements in ozone generators have improved energy efficiency, ozone concentration, and user-friendliness, driving their adoption across industrial and municipal sectors.

The growing technological advancement in ozone generator systems has increased the market growth. Including the next generation Ozone generators, which now is more efficient than ever, that require less energy, and producing higher ozone concentration to do its work, making ozone

generators more effective than ever at low operational cost. That makes them more and more appealing to industrial and municipal clients with a need for reliable but cost-effective solutions for air and water treatment. Likewise, the growth of simple-to-use options have been another reason as to why their market potential gotten so big. An ozone generator today is less cumbersome in terms of operation and maintenance, which provides comprehensive utilization in different domains such as wastewater treatment, food processing, and environmental applications.

Dominance of Corona Discharge Technology and Growing Demand in Wastewater Treatment Applications

By Technology

- Corona Discharge
- Cold Plasma
- Electrolysis
- Ultraviolet

In 2023, the corona discharge segment was the highest revenue-generating segment, accounting for 43.2% market share. It is preferred in ozone generator systems because it generates high concentrations of ozone without chemicals. This material enables a more effective and cost-efficient solution, especially for water and air treatment applications. Due to a consistent focus on technology advancement and solutions aimed at cutting costs, the dominance of this segment is expected to continue through the forecast period. The rising necessity of sustainable and chemical-free solutions is projected to cater to corona discharge with sustenance in various ozone generation applications.

By Application

- Wastewater Treatment
- Air Treatment
- Laboratory & Medical Equipment
- Others

The wastewater treatment segment captured the largest revenue share of 46.2% in 2023. Because ozone kills bacteria and viruses quickly and decomposes into harmless oxygen, it is often used to purify water. High demand for ozone generators in wastewater treatment also due to their environmentally friendly and low operational cost properties. With the rising global concern for clean water, the implementation of ozone technology is likely to increase, providing a viable means of non-chemical alternative for wastewater management, thus, ensuring the wastewater treatment segment maintains its growth momentum despite the resultant segmentation demands.

By End-Use

- Municipal

- Industrial
- Commercial
- Residential

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North America's Dominance and Rapid Growth in Asia Pacific

North America accounted for approximately 34.6% of the global ozone generator market. The region has a significant cracking of the market for these systems, according to a press release, especially due to the need for wastewater treatment and upsurge in air treatment systems to counter odors, mold, and smoke. Another factor, that is expected to bolster the market growth is a new legislation launched in the U.S. to promote public-private partnerships (PPP) in the areas of public water purification infrastructure. North America will continue to lead the market with abundant investments in municipal and industrial water treatment plants, signaling ongoing demand among water and air treatment applications on ozone generators during the period of forecast.

Asia Pacific is expected to register the fastest growth rate during the forecast period. Industrial waste, untreated sewage, and agricultural runoff contribute heavily to this pollution in the area. The inadequate availability of effective wastewater treatment enterprises contributes in this hassle that propels breeders to invest in ozone generators. These machines provide a greener and much more efficient option for cleansing water.

Recent Developments

- In April 2023: Fresh Mouth launched an innovative ozone generator designed for oral health. This device generates ozone, which not only helps eliminate bacteria and viruses causing bad breath and gum infections but also serves as a hydrogenated water producer. The combination of ozone generation and hydrogenated water is aimed at improving oral hygiene and preventing gum diseases.

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