

Municipal Ozone Generator Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Report description:

The Global Municipal Ozone Generator Market, valued at USD 143.5 million in 2024, is projected to grow at a robust CAGR of 7.2% from 2025 to 2034. These advanced systems are designed to produce ozone gas for large-scale water and wastewater treatment harnessing its powerful oxidizing properties to disinfect water, degrade pollutants, and remove odors and harmful chemicals. This ensures the safe distribution of municipal water and environmentally responsible wastewater discharge.

One of the key drivers behind the growing adoption of municipal ozone generators is the increasing emphasis on environmental sustainability. These eco-friendly systems leave no harmful residues, aligning with global efforts to protect the environment. Moreover, the rising challenge of eliminating emerging contaminants, such as pharmaceuticals, microplastics, and personal care product residues from water supplies, has significantly boosted the demand for ozone generators. Their effectiveness in breaking down complex pollutants makes them a top choice for municipalities looking for advanced treatment solutions.

The market is segmented by capacity, with the > 5 g/h segment expected to generate USD 106 million by 2034. This growth is largely driven by the increasing demand for compact generator units, ideal for treating smaller water reservoirs, localized water supplies, and supplementary systems in regions with limited infrastructure. The cost-effectiveness of these units makes them particularly appealing to municipalities with smaller populations or constrained budgets, fueling their widespread adoption.

By application, the water treatment segment is forecast to grow at a CAGR of 7.2% through 2034. Stricter regulations surrounding drinking water safety and wastewater discharge are driving the demand for ozone generators. These systems offer chemical-free disinfection with minimal byproduct formation, reducing environmental and health risks. Their ability to meet stringent guidelines for contaminant removal positions them as an essential tool in modern water treatment practices.

In the United States, the municipal ozone generator market is expected to generate USD 67 million by 2034. The need to address emerging contaminants, such as PFAS and microplastics, is fueling the demand for these high-efficiency systems. Furthermore,

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the aging water infrastructure in the U.S. is driving the need for modernization, with municipalities seeking solutions that improve operational efficiency. Ozone generators, equipped with features like remote monitoring and energy optimization, are becoming increasingly popular as reliable solutions to upgrade water systems.

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