

Ozone Generator Market by Technology with Covid-19 Impact Analysis (Corona Discharge, Ultraviolet Radiation), Application (Water Purification, Air Purification), End-use Industry (Food & Beverages, Pharmaceutical), and Region - Global Forecast to 2026

<https://marketpublishers.com/r/OA955CEEAA1FEN.html>

Date: January 2022

Pages: 228

Price: US\$ 4,950.00 (Single User License)

ID: OA955CEEAA1FEN

Abstracts

The global ozone generator market size is projected to grow from USD 1.1 billion in 2021 to USD 1.5 billion by 2026, at a CAGR of 6.2% during the forecast period 2020 to 2026. Increased non conventional applications of ozone such as extrusion coatings and increasing demand for ozone generators from end use industries such as food & beverages, chemical, pulp & paper, pharmaceutical, among others is expected to accelerate the growth of the ozone generator market.

“The pulp bleaching application segment is projected to grow at the highest CAGR during the forecast period.”

Based on application, the pulp bleaching segment is projected to grow at the highest CARG during the forecast period. Ozone bleaching is one of the key technologies considered for total chlorine-free (TCF) or elemental chlorine-free (ECF) pulp production. Ozone bleaching is usually conducted in medium consistency pulp and relatively low pH.

Benefits of ozone in pulp bleaching:

Chlorine and chlorine dioxide are replaced

Adsorbable organic Halide (AOX) is reduced or eliminated

BOD/COD is lowered, and the effluent color is reduced

Higher process water cycling rate can be achieved

Advantages of ozone over chlorine for pulp bleaching is expected to drive the growth of ozone generator market in the pulp bleaching segment.

“The corona discharge technology segment is projected to grow at the highest CAGR during the forecast period.”

Based on the technology, the corona discharge segment is projected to grow at the highest CAGR during the forecast period. Corona discharge ozone generator is used for both industrial and commercial applications. The growth can be attributed to the advantages of corona discharge technology over other materials. This technology is cost-effective and has comparatively low maintenance.

Some of the advantages of corona discharge ozone generators are as follows:

Efficient generation of ozone in large volume

Cost-effective ozone generation for large-scale high concentration installations

No byproducts

Lifespan exceeds ten years

Such advantages are expected to fuel the growth of the ozone generator market.

“Asia Pacific is projected to grow the highest CAGR in the ozone generator market during the forecast period.”

Asia Pacific is projected to grow at the highest CAGR in the ozone generator market from 2021 to 2026. China, India, and Japan are witnessing rapid industrial, manufacturing, and infrastructural growth. Some of the economies in Asia Pacific have tremendous market potential in terms of rising population, favorable government policies, and industrial growth. The region is attracting investors to set up production facilities because of the availability of raw materials and labor at lower prices. It has

witnessed significant growth in manufacturing activities due to low manufacturing costs and support of the local governments. Increasing investments in R&D activities related to wastewater treatment are driving the growth of the ozone generator market in the Asia Pacific region. According to the International Monetary Fund (IMF), China and India are the two fastest-growing economies in the world. This economic growth is expected to increase industrial activities in these countries, leading to increased demand for treated water. This, in turn, is expected to fuel the ozone generator market in the region. Factors expected to fuel the growth of the Asia Pacific ozone generator market include increasing population, rapid urbanization, increasing focus on maintaining high-quality municipal water supplies, industrialization, and stringent regulations related to the wastewater treatment.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 35%, Tier 2 – 30%, and Tier 3 – 35%

By Designation: C-level Executives – 25%, Directors – 30%, and Others – 45%

By Region: Asia Pacific – 45%, Europe – 20%, North America – 30%, Middle East & Africa- 4%, and South America – 1%

Furthermore, as a part of the qualitative analysis of the ozone generator market, the research provides a comprehensive review of drivers, restraints, opportunities, and challenges influencing the growth of the market across the globe. It also discusses competitive strategies adopted by the leading market players such as SUEZ Water Technologies & Solutions (France), Xylem (US), Mitsubishi Electric Corporation (Japan), Ebara Corporation (Japan), Toshiba Corporation (Japan), METAWATER Co., Ltd. (Japan), Industrie De Nora S.p.A. (Italy), Spartan Environmental Technologies (US), MKS Instruments (US), Teledyne API (US), Creative Oz-Air (I) Pvt Ltd (US), Corotec Corporation (US), Ozonetech Systems OTS AB (Sweden), Absolute Systems Inc (China), Lenntech (Netherlands), Chemtronics Technologies Pvt. Ltd. (India), International Ozone (US), Faraday Ozone (India), Ecozone Technologies Ltd. (Israel), ESCO International Ltd (UK), Taoture International Enterprises Inc. (US), Ozonefac Limited (China), Enaly Ozone Generator (China), Jinan Sankang Envi-tech Co., Ltd (China), Biotek Environmental Science Ltd. (Taiwan), Shandong Nippon Photoelectricity Equipment Co., Ltd (China), Eltech Ozone (India), BiOzone Corporation (US), Dongguan Beelee Electronics Co., Ltd. (China), Fujian Newland EnTech Co. Ltd. (China), Medozons Ltd. (Russia), Ozonetek Limited (India), and Pinnacle Ozone

Solutions, LLC (US), among others.

Research Coverage:

The report defines, segments, and projects the size of the ozone generator market based on application, technology, end-use industry, and region. It strategically profiles the key players and comprehensively analyzes their market share and core competencies. It also tracks and analyzes competitive developments such as expansions, new product developments, contracts, and joint ventures undertaken by them in the market.

Reasons to buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the ozone generator market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.

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