

Atmospheric Water Generator Market By Type (Cooling Condensation, Wet Desiccation), By Capacity (Upto 60 litres, 61-500 litres, 501-1000 litres, More than 1000 litres), By Application (Residential, Non-Residential): Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

The global atmospheric water generator market was valued at \$2.7 billion in 2023, and is projected to reach \$10.8 billion by 2033, growing at a CAGR of 14.8% from 2024 to 2033. Atmospheric water generators obtain drinking water through the condensation of water vapor contained in the atmospheric air. It uses the thermodynamic cycle with mechanical refrigeration technology and an advanced electronic control. Technology advancements have been made to boost effectiveness and, consequently, minimize energy use and optimize water generation.

The automatic water generators involve air and water treatments by removing suspended particles and volatile organic compounds present in water vapors. It ensures optimal conservation of stored water to guarantee the greatest quality of water and to promote water mineralization for drinking purpose. Water scarcity is an escalating global issue, affecting both developed and developing nations. The United Nations reports that approximately 2.2 billion people lack access to safely managed drinking water services. Climate change exacerbates this problem by altering precipitation patterns and reducing the availability of freshwater resources. The World Bank estimates that by 2025, half of the world's population will be living in water-stressed areas. For instance, nearly 600 million people in India face high to extreme water stress, according to the NITI Aayog. In the United States, over 40% of the population relies on groundwater for drinking, which is being depleted faster than it can be replenished, as indicated by the U.S. Geological

Survey (USGS). These statistics highlight the urgent need for alternative water sources like atmospheric water generators (AWGs), which can extract water from humid air and provide a reliable supply of potable water, addressing the growing global water scarcity. There is a wide range of automatic water generators available in the market that can harvest water vapors from air with relative humidity near to 25%, however the ideal relative humidity for water generation from air is 40%.

Moreover, government of various countries are installing atmospheric water generators for safe drinking water and to reduce wastage of water. For instance, in June 2021, a Watergen GEN-M atmospheric water generator was installed at the Treasure Cay Community Building and Medical Clinic in Bahamas, providing a much-needed clean drinking water solution to this struggling community. Thus, rise in demand for atmospheric water generator for non-residential and residential purposes is a major driver for the growth of atmospheric water generator market. The market is segmented on the basis of type, capacity, application, and region. On the basis of type, the market is divided into cooling condensation and wet desiccation.

On the basis of capacity, the market is divided into up to 60 liters, 61-500 liters, 501-1000 liters, and more than 1,000 liters. By application, the market is divided into residential and non-residential. Region-wise, the market analysis is conducted across North America, Europe, Asia-Pacific, and LAMEA.

The key players operating in the atmospheric water generator market are PLANETSWATER, Ecolobue, Quench Innovations, SkyWater Air Water Machines, Water Technologies International, Inc., Drinkable Air Technologies, Atlantis Solar, Clean Wave Products, GENAQ, Watergen, Eshara Water, Akvo Atmospheric Water Systems Pvt. Ltd, DewPoint Systems, Mayaqwa, AERONERO, Air 2 Water Solutions, FUJIAN WANJUAN TECHNOLOGY CO.,LTD.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the atmospheric water generator market analysis from 2023 to 2033 to identify the prevailing atmospheric water generator market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the atmospheric water generator market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global atmospheric water generator market trends, key players, market segments, application areas, and market growth strategies.

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End user preferences and pain points

Technology Trend Analysis

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Brands Share Analysis

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

List of customers/consumers/raw material suppliers- value chain analysis

Market share analysis of players at global/region/country level

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Type

Cooling Condensation

Wet Desiccation

By Capacity

Upto 60 litres

61-500 litres

501-1000 litres

More than 1000 litres

By Application

Residential

Non-Residential

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Poland

Netherlands

Sweden

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Thailand

Indonesia

Vietnam

Rest of Asia-Pacific

LAMEA

Brazil

Argentina

Saudi Arabia

UAE

South Africa

Nigeria

Rest of LAMEA

Key Market Players

AERONERO

Air 2 Water Solutions

Akvo Atmospheric Water Systems Pvt. Ltd.

Atlantis Solar

Clean Wave Products

DewPoint Systems

Drinkable Air Technologies

Ecoloblue

Eshara Water

FUJIAN WANJUAN TECHNOLOGY CO., LTD.

GENAQ

Mayaqwa

PLANETSWATER

QUENCH INNOVATIONS

SkyWater Air Water Machines

Watergen

Water Technologies International, Inc.

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