

Global Atmospheric Water Generator Market Size study, by Product (Cooling Condensation, Wet Desiccation), by Application (Industrial, Commercial, Residential) and Regional Forecasts 2022-2032

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Abstracts

Global Atmospheric Water Generator Market is valued at approximately USD 2.45 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 9.4 % during the forecast period 2024-2032. An Atmospheric Water Generator (AWG) extracts potable water from humid ambient air using methods such as condensation, desiccants, membranes, fog collection, or air pressurization. AWGs are invaluable where potable water access is limited and can operate with varying energy inputs or passively, mimicking natural temperature differences. Biomimicry studies have demonstrated the efficiency of the *Stenocara gracilipes* beetle in this process. Advancements in atmospheric water generator technology have increased efficiency, scalability, and affordability, rendering them more accessible to diverse end-users. Innovations in materials, condensation techniques, and energy utilization have bolstered the performance and dependability of the Global Atmospheric Water Generator Market.

Water scarcity is rapidly worsening worldwide, particularly impacting marginalized communities. Innovative solutions such as decentralized water sources are gaining traction, propelling the Global Atmospheric Water Generator Market. Factors such as climate change, insufficient rainfall, rapid urbanization, industrialization, and population growth are contributing significantly to the decline in freshwater resources, thereby driving extensive growth in the Atmospheric Water Generator Market. Furthermore, governmental investments and strategic business activities, such as partnerships, mergers, and acquisitions by major corporations, are complementing the growth of the Global Atmospheric Water Generator Market. However, the primary concerns regarding atmospheric water generators are the high capital investment and maintenance costs,

particularly troubling for residential consumers. Consumers limited purchasing power impedes the growth of the market between 2022 and 2032 in residential applications. Additionally, the high installation costs associated with atmospheric water generators impede the market's growth.

The key regions considered for the global Atmospheric Water Generator market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia Pacific emerged as the leading region in the global market. The rise in atmospheric water generator installations in the region correlates with water scarcity and the diminishing levels of freshwater resources. Additionally, industrialization and expanding infrastructure endeavors play a crucial role in driving the heightened demand for atmospheric water generators. Given the escalating population figures, the Asia-Pacific region is anticipated to retain its status as the most prized market for atmospheric water generators. The substantial presence of key industry players in China and India is bolstering the revenue share within the region. Furthermore, the increasing prevalence of waterborne diseases in underdeveloped nations presents a lucrative demand for atmospheric water generator installations in the Asia Pacific region throughout the forecast period. North America is projected to grow at a faster rate in the forecasted period 2022-2032.

Major market player included in this report are:

Akvo Atmospheric Water Systems Pvt. Ltd.

Dew Point Manufacturing

Ray Agua

WaterMaker India Pvt. Ltd.

PlanetsWater

Water Technologies International, Inc.

SkyWater Air Water Machines

Drinkable Air Technologies

Hendrx Water

Energy and Water Development Corp. (EAWC)

The detailed segments and sub-segment of the market are explained below:

By Product

Cooling Condensation

Wet Desiccation

By Application

Industrial

Commercial

Residential

?

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major

regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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