

# Atmospheric Water Generator Market to Reach USD 5.01 Billion by 2030, Growing at 10.40% CAGR

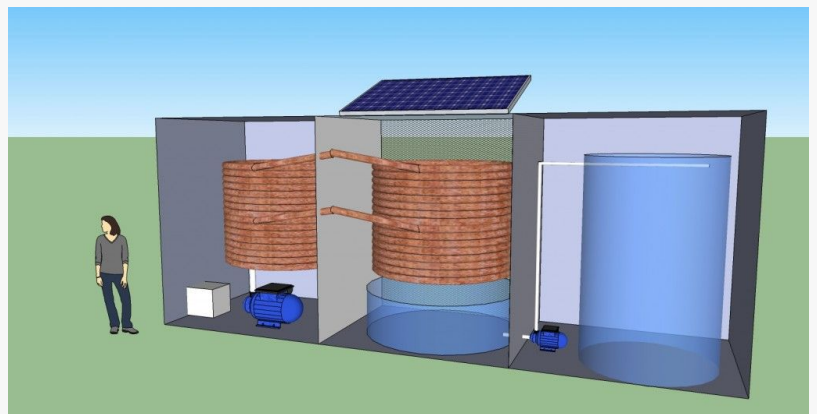
*Atmospheric Water Generator Market is projected to register a CAGR of 10.40% to reach USD 5,010.89 million by 2030.*

NY, UNITED STATES, August 6, 2025

/EINPresswire.com/ -- The global

demand for potable water is escalating, driven by factors such as population growth, industrialization, and climate change. Traditional water sources are becoming increasingly unreliable, prompting the exploration of alternative solutions.

Atmospheric Water Generators (AWGs) have emerged as a promising technology that extracts water from the humidity present in the air, offering a [sustainable](#) and cost-effective alternative to conventional water sources.



Atmospheric Water Generator Market

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Turning air into opportunity, the Atmospheric Water Generator Market is redefining sustainability—making pure, drinkable water from thin air to quench the world's future.”

*Market Research Future*

## Market Overview

According to a report by Market Research Future (MRFR), the global [Atmospheric Water Generator Market](#) was valued at approximately USD 2.27 billion in 2022 and is projected to reach USD 5.01 billion by 2030, growing at a compound annual growth rate (CAGR) of 10.40% from 2023 to 2030. This growth is attributed to the increasing demand for potable water, with AWGs providing a cost-effective alternative to bottled water, being up to 50% cheaper.

## Technological Advancements

AWGs operate primarily through two technologies: Cooling Condensation and Wet Desiccation.

**Cooling Condensation:** This method cools air to its dew point, causing water vapor to condense into liquid water. It is widely adopted due to its efficiency and scalability.

**Wet Desiccation:** This method uses hygroscopic materials to absorb moisture from the air, which is then extracted through heating or other processes. While less common, it offers advantages in specific applications.

The Cooling Condensation segment is projected to dominate the market revenue through the forecast period, owing to its widespread adoption and proven effectiveness .

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## Market Segmentation

### By Product

**Cooling Condensation:** Expected to hold the largest market share due to its efficiency and scalability.

**Wet Desiccation:** Anticipated to grow at a significant rate, driven by advancements in materials and processes.

### By Application

**Industrial:** The industrial segment dominated the market in 2022 and is projected to maintain a significant share through 2030. AWGs in this segment are used in areas where clean drinking water is scarce, providing a reliable water source for various industrial processes.

**Commercial:** Businesses are increasingly adopting AWGs to ensure a consistent supply of potable water, reducing dependence on municipal sources.

**Residential:** With growing concerns over water quality and availability, residential adoption of AWGs is on the rise, particularly in regions facing water scarcity.

### By Region

**Asia Pacific:** This region holds the largest market share due to rapid development and population growth, leading to increased water demand.

**North America:** The market in North America is expected to grow from USD 801 million in 2024 to USD 2,466 million by 2035, at a CAGR of 10.763% during the forecast period .

Europe: The European market is projected to grow from USD 667.5 million in 2024 to USD 2,058 million by 2035 .

Middle East & Africa: Regions facing severe water scarcity are increasingly adopting AWGs as a viable solution.

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## Drivers of Market Growth

### Water Scarcity

Depleting water reserves are a significant factor driving the growth of the AWG market. As freshwater sources become more strained, AWGs offer a sustainable solution by extracting water from the atmosphere, reducing dependence on traditional water sources .

### Technological Advancements

Advancements in AWG technology have led to more efficient and cost-effective systems. Innovations in materials, energy consumption, and scalability have made AWGs more accessible for various applications, from residential to industrial use.

### Environmental Concerns

With growing awareness of environmental issues, there is a shift towards sustainable water solutions. AWGs contribute to reducing plastic waste associated with bottled water and minimize the carbon footprint of water transportation.

## Challenges

### High Initial Investment

The initial cost of purchasing and installing an AWG system can be significant, which may deter some potential users. However, the long-term savings on water costs and the environmental benefits often justify the investment.

### Energy Consumption

Some AWG systems, particularly those based on cooling condensation, can consume substantial amounts of energy, raising concerns about their environmental impact. Ongoing research aims to develop more energy-efficient systems.

### Maintenance Requirements

Regular maintenance is essential to ensure the optimal performance of AWG systems. This includes cleaning filters, checking components, and ensuring the system is free from contaminants.

## Key Players

Leading companies in the AWG market include:

Akvo Water Systems Pvt. Ltd (India)  
Water Technologies International (US)  
Zhongling Xinquan (FUJIAN) Air Drinking Water Technology Co. Ltd (China)  
GENAQ Technologies S.L (Spain)  
AirOWater (India)  
Watergen (Israel)  
Ray Agua (Spain)  
SkyH2O (US)

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## Future Outlook

The AWG market is poised for significant growth, driven by the increasing demand for sustainable and reliable water sources. As technology advances and adoption spreads across various sectors, AWGs are expected to play a crucial role in addressing global water scarcity challenges.

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