

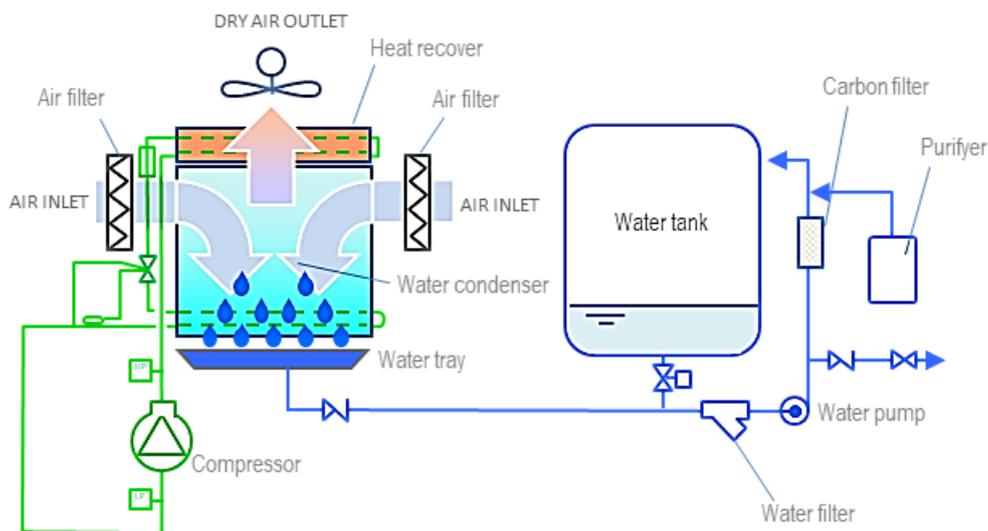
Atmospheric water generator

An atmospheric water generator obtains drinking water by condensing the water vapor contained in atmospheric air. It uses thermodynamic cycle with mechanical cooling technology with advanced electronic control.

Technological improvements have been developed to increase efficiency and thereby reduce energy consumption and maximize water generation.

To ensure the highest water quality, the process includes air and water treatments to eliminate particles suspended in the atmosphere and water-soluble volatile organic compounds, to increase the mineralization of water for drinking water and to ensure proper conservation of stored water.

Principle diagram



BENEFITS

Thanks to the triple filtration system, an atmospheric water generator produces pure drinking water with the highest quality and purity with low mineralization, free of biological contamination and with excellent physical and chemical properties.

The water produced complies with World Health Organization (WHO) standards for drinking water and is certified by European health authorities.



World Health
Organization



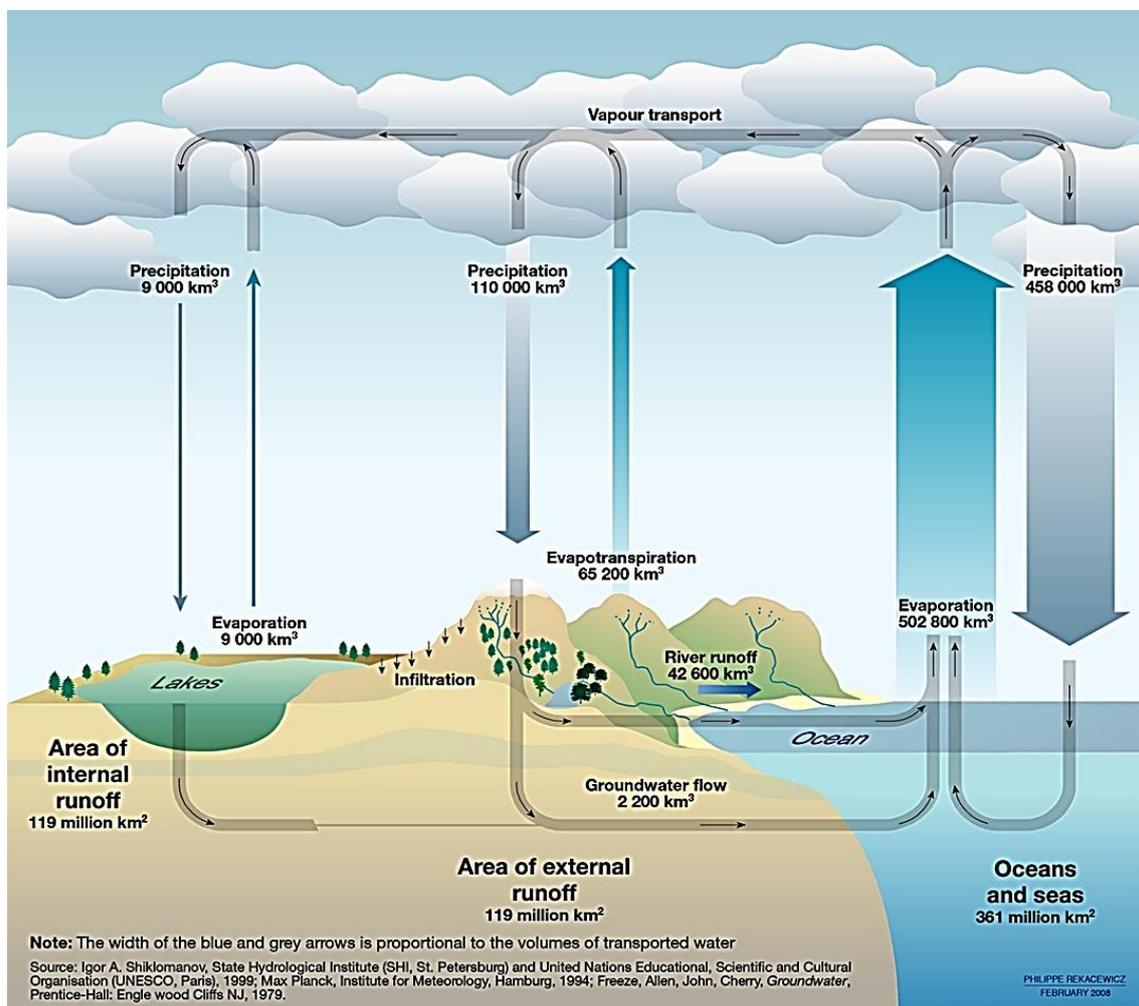
Anywhere

Atmospheric water generators produce water where necessary and, in the amount, required for consumption. They're portable. Produce in arid climates with temperatures above 50°C (122F) and relative humidity of the air below 20.



Environmentally friendly

Renewable source of water. Like surface water, the water contained in the atmosphere is a renewable natural resource. Water vapor condensation is a natural phenomenon that leads to rain, thanks to the temperature difference between air and soil. By reproducing this phenomenon, our generators allow the use of this renewable source of water that, unlike water purification systems by desalination, does not produce waste. In combination with renewable energies, an atmospheric water generator allows continuous water supply in isolated areas with zero energy cost and without negative effects on the environment, preserving the earth's natural resources.



To start producing water, just plug in a power source



One size for every need. The compact generators have production capacities ranging from 50 to 5,000 liters per day in nominal conditions. They can produce water even in arid climates with temperatures above 50°C (122F) and relative humidity of less than 20%.

The production levels of the generators were certified by TÜV Rheinland under different conditions of temperature and relative humidity.



The challenge of water

The technology facilitates the production of drinking water in places with physical scarcity in a cost-effective and renewable way and without waste generation.