



**SkyH2O's Atmospheric Water Generation ("AWG") systems provide fresh potable water that meet WHO (World Health Organization) standards, and have a +20-year life expectancy with minimal maintenance, and have minimal environmental impact, enabling;  
*Water security, self-reliance and independence - "Water 4.0"***

## Where to deploy SkyH2O's Atmospheric Water Generation systems ("AWS") and Projects?

**SkyH2O's world-class, industrial-grade AWG should be deployed in a distributed manner ("DWG"), and specifically where water is needed most, including at or near existing reservoir infrastructure:**

- Communities with lack fresh water or suffer from contaminated ground water including aquifers and wells
- Hospitals and healthcare facilities for primary or emergency back-up fresh water generation
- Commercial and Industrial facilities with mission critical water needs
- Disaster relief with rapid response in case of emergencies and refugee facilities
- Bottling facilities for beverages including bottled water
- Food growing and processing facilities
- Water vending machines
- Military or Government for water security, self-reliance and independence

### SkyH2O MAXIMUS AWS 4.10 System Features

SkyH2O MAXIMUS AWS 4.10 system starts at a capacity of about 10,500 liters per day with unlimited modular expansion\*. The MAXIMUS AWS 4.10 system integrates some of the most advanced technologies in the industry.

#### Product

Uses state of the art variable speed Airflow and sophisticated refrigeration Controls to ensure reliable operation At a very wide range of atmospheric Conditions without freeze up.

Web based IoT *internet of things* industrial Controls for monitoring all operating Parameters, graphical and remote interfaces, With the ability to remotely view operational Diagnostics, refrigeration, and airflow to test And verify efficiency and operating performance.

#### Performance

Most efficient Atmospheric Water Generator system available on the market, using most current globally available refrigeration technology

Filters designed with industrial holding capacity for maximum efficiency during a long operating time range.

#### Design

Striking design utilizing high quality materials including durable stainless steel, industrial grade paint and round glass viewing windows in mobile 40' ISO norm footprint container

#### Installation

Engineered for effective transportation, and efficient jobsite "plug & play" installation.

#### Serviceability

The MAXIMUS AWS 4.10 system is designed with serviceability in mind; components are easily accessible for replacement and service. Heat exchanger compartment designed with access doors to allow for periodic cleaning and inspection. IoT enabled remote control and diagnostics.

*Sky H2O is driving a new Infrastructure Project Investment Class by scaling, innovating, and advancing industrial Atmospheric Water Generation ("AWG") technology, products, systems and projects. SkyH2O effectively combines up-stream (IP/technology + products) with down-stream (projects + financing) to most effectively provide communities and utilities, and large commercial and industrial water users with fresh potable water. AWG is a disruptive solution and a new water resource, and in most locations is more effective than alternative water systems including forward/reverse osmosis ("RO") including desalination and distillation, and is more environmentally friendly.*

SkyH2O is a San Francisco Bay Area (USA) based Clean Technology and triple-bottom-line ...*People, Planet, Profit*... impact company. SkyH2O's mission is to be the World leading AWG business for commercial, industrial and utility applications



**KASAB**  
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## MAXIMUS AWS 4.10 Specifications



### ATMOSPHERIC WATER GENERATING SYSTEM (AWG)

- **Water production:** 10,500 liters/day (2,780 gallons/day)
- **Installed Electrical Power:** 132 kW
- **Nominal Environment/Performance Rating**  
**Conditions:** 27C/80% RH (80.6F/80% RH)
- **Energy consumption:** 0.3. kWh/liter, (1.1 kWh/gallon)
- **Size (W x H x L):** 2.19m x 2.54m x 11.30m,  
(86"x 100"x445") also (7' - 2" x 8' - 4" x 37' - 1")
- **Dry Weight:** 13,200 kg (29,000 lbs)
- **Operating Temperature Range:** 5 to 50 degrees Celsius  
(42 to 120 degrees Fahrenheit) Ambient Temperatures
- **Operating Relative Humidity Range:** 25% to 100% RH
- **Refrigerant:** Environmentally Accepted 410a
- **Air filters:** MERV 15, 95% heavy-duty industrial filters.
- **Machine exterior/interior:** insulated painted galvanized sheet metal with stainless steel interior at wet areas.
- **Machine chassis:** Structural Steel, Painted
- **Coil material:** Copper and Aluminum
- **Water Collection Pan Material:** Stainless Steel
- **Refrigeration System:** Advanced Modulation Control
- **Warranty:** Industry leading comprehensive two year full parts and labor warranty covers all parts and workmanship.

### WATER TREATMENT

- Water is collected in a UV-protected chamber and stored in a holding tank. Water is filtered and passes through ultraviolet light as follow:
  - Water filter 1: Sediment
  - Water filter 2: Biological
  - Water filter 3: Carbon
  - Ultraviolet light (UV)
  - Optional Mineralization available

### WATER RESERVOIR

- **Stainless Steel tank:** 2650 liters (700 gallon)
- Supplemental external storage available
- May be connected to customer's external reservoir

### ELECTRICAL POWER & CONTROLS

- 400 V 50 Hz, 3 phase AC
- 480 V 60 Hz, 3 phase AC
  - 350 MOP
  - 306 MCA
- **DDC Programmable Logic Controller:** (Proprietary software) human interface with built-in operating trend logging and connectivity for remote monitoring providing for optimal performance at all times



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