SKYH2O
The Ultimate in Water Sustainability

SKYH2O AWG MAXIMUS 4260™ Overview

SkyH2O is creating 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 provide communities, utilities, and large commercial and industrial water users with fresh potable water. AWG is a game changing solution and which taps a new water source – the air.

Engineering
Uses state-of-the-art variable speed airflow and cooling controls to ensure reliable operation in a wide range of atmospheric conditions. Web-based internet of things (IoT) industrial controls continuously monitor all operating parameters utilizing graphical and remote interfaces, which may be also viewed remotely. These include operational diagnostics, and refrigeration and airflow monitoring to allow the operator to test and verify efficiency and operating performance.

Performance
AWG MAXIMUS 4260™ is the most energy efficient atmospheric water generation system available on the market, using the most advanced, globally available compression and cooling technologies. Filters are designed with industrial holding capacity for maximum efficiency during long operating time ranges.

Design
Industrial grade and striking design that uses high-quality materials including durable stainless steel, industrial grade paint and round glass viewing windows, all in an effective footprint similar to a 40' container.

Installation
Engineered to fit similar as 40' ISO container logistics systems, with efficient onsite "plug & play" installation.
The MAXIMUS series of AWG products are designed for the lowest installed costs of multiple unit installations.

Serviceability
Designed with serviceability in mind: components are easily accessible for replacement and service. Heat exchanger compartment is designed with access doors to allow for periodic cleaning and inspection.
Secure internet access enabled remote control and diagnostics allow service from different locations.

Controls and Monitoring
Goes well beyond the typical basic operator controls found in competitive AWG products. Buried into the cooling system are sensors that the allow technical operators or service personnel to monitor the real- time health of the machine in addition to a wealth of internal diagnostic information. Built-in graphic capabilities utilize 50 points of data values to create meaningful relationships between the data points and information for production review and unit operating evaluation. All of the information is also available in historical trends and is password-protected, remotely accessible with a secure connection to the Internet.

AWG MAXIMUS 4260™ Specifications

ATMOSPHERIC WATER GENERATING SYSTEM (AWG)	
Water production	10,649liters/day (2,813 gallons/day)
Installed Electrical Power	120 kW
Nominal Environment /Performance Rating Conditions	27C/80% RH (80.6F/80% RH)
Energy consumption	0.2694 kWh/liter, (1.02 kWh/gallon)
Size (W x H x L)	Meters - 3.35m x 2.51m x 11.2m, Inches - 132"x 99"x441"
Dry Weight	13,065 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
Machine chassis	Structural Steel, Painted
Coil material	Copper and Aluminum
Water Collection Pan Material	Stainless Steel
Refrigeration System	Multiple industrial refrigeration compressors with electronic capacity control
Warranty	Industry one year full parts and labor warranty covers parts and workmanship.
SAV™ WATER TREATMENT	
	• Water is collected in a UV-protected chamber and is filtered and passes through an in line ultraviolet light treatment system. • Water filtration for potable water • Customized mineralization subunit available
WATER RESERVOIR	
	• Supplemental external storage available May be connected to customer's external storage tank or reservoir
ELECTRICAL POWER & CONTROLS	
	@ 460V/60/3ph* MCA: 263A MOCP: 300A
MAX™ CONTROL SYSTEMS	
	• Color touchscreen display with graphical interface • Equipped with sensors that allow technical operators or service personnel to monitor real-time status of the machine. • 50 data points of measurement including airflow and conditions, mechanical processes with real time water production and energy use data. • Built-in graphic interface tracks current and historical trends and provides password-protected remote access through a secure internet connection.
PRICING	
	Available upon request

*For 50hz applications the MAXIMUS 4250™ is in design development. It will be similar in size to the MAXIMUS 4260™, but optimized for ocean transport.

SkyH2O has a policy of continuous product and product data improvement and reserves the right to change design, specifications and pricing without notice.

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