

TECHNICAL SPECIFICATIONS

AIR TO WATER GENERATORS

Snowbird Technologies air-to-water generators (AWGs) are custom-engineered and manufactured to sustain warfighters and the mission in the most intolerable conditions around the world.

Our units are designed to meet the extreme demands of military environments and function as a force multiplier with the ability to generate water onsite in expeditionary and forward operating environments. The mil-spec design and durability make these units adaptable to commercial and humanitarian applications.

PRODUCE, STORE, AND DISTRIBUTE PURIFIED WATER IN THE MOST AUSTERE AND CONTESTED ENVIRONMENTS.



QUALITY PRODUCTS

trusted by the DoD, NAVSUP, DLA, Department of the Navy, and Tier 1 and 2 government contractors, and more since 1992.

Water produced by our AWGs is confirmed potable as defined by IAW TB MED 577 short-term potability standards.



CUSTOM-BUILT

and assembled in our facility in Jacksonville, Florida, USA.

Our team of manufacturing professionals is dedicated to providing best-in-class customer service and support.



ENGINEERED TO EXCEED

your expectations with our in-house department of experts. Our AWGs are engineered to MIL-STD-810 and ruggedized to operate in the harshest environments.

Our AWGs can produce purified water in ambient air temperatures of 45°F to 125°F and 30% to 99% humidity.

MODEL: SAWG-14

WATER FROM AIR

As a response to Joint Publication 4-03 and the Defense Advanced Research Projects Agency (DARPA) water extraction directive, Snowbird Technologies developed a rugged, portable, and lightweight line of air-to-water generators designed to support units in expeditionary and forward operating environments.

FEATURES

- Constructed inside of a durable, lightweight aluminum cabinet.
- Specific design features will allow the unit to be damage resistant in use and transport.
- Designed to fit the bed space of the MRZR D2 and D4.
- Foldable handles for easy manual transport.
- Rainwater collection seam on top of the unit allows for the collection and distilling of rainwater.
- A simple, easy-to-use control panel on the front of the unit gives access to all functions.

SPECIFICATIONS

Daily water output:	14 gallons
Max operating temp:	125°F
Min operating temp:	45°F
Internal water storage:	10 gallons
Primary power voltage:	120 volts AC at 60 Hz
Primary operating amps:	12.2 A (15 A max)
Secondary power voltage:	24 volts DC
Secondary operating amps:	71.8 A (88.2 A max)
Overall dimensions:	20"H x 22.5"W x 24.5"L
Empty weight:	160 pounds
Water dispensing rate:	2 gallons per minute
Filtration:	Reusable sediment pre-filter and disposable multi-stage filter
Final purification:	UV-C purification chamber
Anti-microbial treatment:	Ozone generator
Dispenser spigots:	2



MODEL: SAWG-28

WATER FROM AIR

As a response to Joint Publication 4-03 and the Defense Advanced Research Projects Agency (DARPA) water extraction directive, Snowbird Technologies developed a rugged, portable, and lightweight line of air-to-water generators designed to support units in expeditionary and forward operating environments.

FEATURES

- Constructed inside of a durable, lightweight aluminum cabinet.
- Specific design features will allow the unit to be damage resistant in use and transport.
- Designed to fit the bed space of the MRZR D2 and D4.
- Foldable handles for easy manual transport.
- Rainwater collection seam on top of the unit allows for the collection and distilling of rainwater.
- A simple, easy-to-use control panel on the front of the unit gives access to all functions.

SPECIFICATIONS

Daily water output:	20 gallons
Max operating temp:	125°F
Min operating temp:	45°F
Internal water storage:	10 gallons
Primary power voltage:	120 volts AC at 60 Hz
Primary operating amps:	17.7 A (20 A max)
Secondary power voltage:	24 volts DC
Secondary operating amps:	104.1 A (117.6 A max)
Overall dimensions:	20"H x 22.5"W x 24.5"L
Empty weight:	180 pounds
Water dispensing rate:	2 gallons per minute
Filtration:	Reusable sediment pre-filter and disposable multi-stage filter
Final purification:	UV-C purification chamber
Anti-microbial treatment:	Ozone generator
Dispenser spigots:	2



MODEL: SAWG-150



WATER FROM AIR

The newest atmospheric water generator product development from Snowbird Technologies is the Model SAWG-150 built onto a single-axle trailer with an integrated 20 kW generator, bringing portability and sustainment to larger expeditionary units in forward operating environments.

CURRENT SAWG-150 MODELS ARE PROTOTYPES UNDER FINAL DEVELOPMENT.

FEATURES

- Constructed inside of a durable aluminum cabinet with maintenance access points.
- Specific design features will allow the unit to be damage resistant in use and transport.
- Includes a 20 kW generator for truly independent operation.
- Rainwater collection seam on top of the unit allows for the collection and distilling of rainwater.
- A simple, easy-to-use control panel on the front of the unit gives access to all functions.

SPECIFICATIONS

Daily water output: 80° F / 60% RH	150 gallons designed
Max operating temp:	125°F
Min operating temp:	45°F
Internal water storage:	50 gallons
Primary power voltage:	208 volts AC, single phase
Primary operating amps:	52.4 A designed
Power to Water Ratio:	1.75 kWh/gallon
Maximum operating amps:	80 A designed
Overall dimensions:	139" L x 85" W x 85" H
Empty weight:	4,020 pounds
Water dispensing rate:	4 gallons per minute
Filtration:	2 independent systems featuring reusable sediment pre-filter and 15K gallon disposable multi-stage filter
Final purification:	2 independent UV-C purification chambers
Water storage treatment:	Ozone treatment recirculating system
Dispenser Spigots:	2
20 kW Generator:	50 gallon fuel storage allows for 24-hr operation between fueling

