



Changing Lives Globally Through Water Technology

Product Data

WGS-900 Atmospheric Water Harvester

The WGS-900 Water Harvester provides **fresh, completely safe drinking water where it might not otherwise be available**. Utilizing proven refrigeration technology and multistage cleaning treatments to condense water vapor from the air, the WGS-900 provides up to **217 gallons per day (823 L/day)** of pure, potable water*. It does so at an efficient **0.82 Gal/kWh (3.10 L/kWh)** – the best energy factor of all similar products currently on the market.

**At ambient temperature of 80°F (26.7°C) & 60% relative humidity.*



WGS-900-Front View



WGS-900-Rear View

Thorough Three-Stage Water Treatment

- First, a sediment filter removes sand, dirt, silt, rust, and scale particles from the water.
- Second, a powder-activated carbon filter removes turbidity, particulates, colloidal suspensions, trace toxic organics and endocrine disrupters.
- Third and finally, an ultraviolet (UV) tube eliminates remaining pathogens, viruses and molds, resulting in fresh drinking water ready for immediate consumption.

Simple Controls for Simple Operation

One switch turns on the unit; another switch turns on the water dispensing system. Two hourly use meters and a UV light indicator tell you when the unit needs maintenance.

Easy Installation

All that is needed for a basic installation is to simply connect the electrical power, level the unit, and hook up a water line to the built-in hose bibb for fresh, potable water.

Split Condensers for Higher Efficiency

By utilizing a primary and secondary condenser with a common fan, the unit maintains low condensing temperatures, resulting in greater efficiency with fewer components.

Passive Heat Recovery Uses Less Energy

A pre-cooling section on the evaporator inlet and a re-heat section on the outlet increases the water produced without using additional energy.

Variable Speed Drive for Changes in Weather

A variable-speed drive on the scroll compressor improves reactions to changes in ambient temperatures, saving significant amounts of energy at low temperatures.

ECBlue Motor Beats Other AC Motors

The exhaust fan's ECBlue Motor Technology means greater efficiency versus typical AC motors.

Electrical Components Protected From Heat

To prevent overheating, the unit naturally cools the electronics with a thermostat-actuated ventilation fan and conditioned air.

Durable Construction for All Environments

The enclosure's zinc-coated steel and powder coat finish is specifically engineered for use in harsh outdoor conditions.

Easy Servicing and Maintenance

Four large access doors can be easily removed for improved serviceability and access.

Certifications / Compliance

Underwriters Laboratory (UL) is an American-based global safety company that provides services such as certification, consulting, auditing, and testing. UL has employees in 44 countries; they maintain 1,507 standards that ensure safe products are provided to the market. The WGS-900 is certified to UL 60335-1 Safety of Household and Similar Appliances with the required modifications for American and Saudi Arabian markets.

SGS is an independent safety certification laboratory that provides testing and certification for global standards. The SGS Safety Mark affixed to this unit ensures that

it complies with all applicable safety standards dictated by UL Standard 60335-1.

The water produced from the unit has been tested and meets the drinking water requirements established by the World Health Organization (WHO), the Saudi Arabian Standards Organization (SASO), and the Environmental Protection Agency (EPA). Water quality test reports can be found in the Operator's Manual.



Product Specifications

Height	61 in. (155 cm)	Width	71 in. (180 cm)
Length.....	68 in. (173 cm)	Weight	1,907 lbs. (865 kg)
Operating Range	60°F (15.6°C)/40% RH —120°F (48.9°C)/95% RH		
Water Connection	3/4" U.S. Male Garden Hose (3/4" BSP)		
Voltage.....	480V/3Ph/60Hz, 400V/3Ph/60Hz, 415V/3Ph/50Hz, 400V/3Ph/50Hz		
Amperage	47.5A @ 480V (47.9A @ 400V & 415V) FLA		

Product Components – Exterior

- Exhaust Fan 1
- User Interface 2
- Power On/Off Indicator..... 3
- Power On/Off Switch 4
- UV Alarm Indicator Light..... 5
- Water Dispensing Connection 6
- Total System Hour Meter..... 7
- Water System Hour Meter..... 8
- Water Dispenser On/Off Indicator 9
- Water Dispenser On/Off Switch 10
- Primary Air Intake..... 11
- Condensate Pan Door 12



Figure 1

Product Components – Interior 1

Exhaust Fan	1	Primary Condenser.....	7
Secondary Air Intake	2	Heat Pipe	8
Secondary Condenser.....	3	UV Filter.....	9
System Control Panel Cover	4	Sediment Filter	10
Evaporator	5	Carbon-Activated Filter.....	11
Primary Air Intake	6	Condensate Pan.....	12
		Pump	13

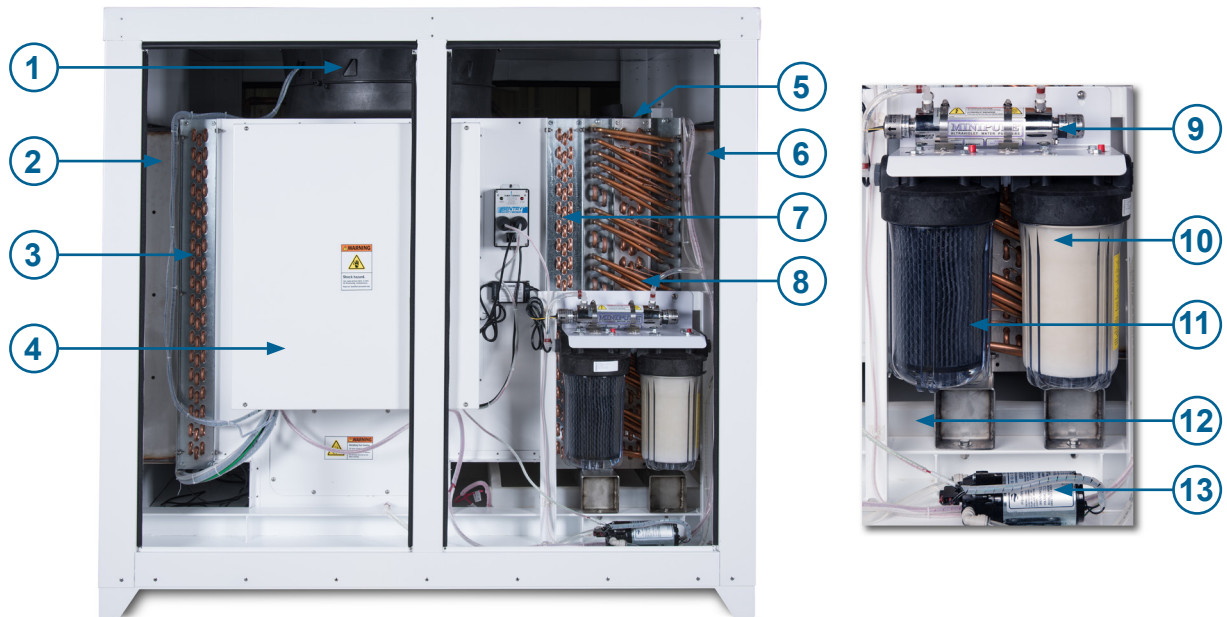


Figure 2

Product Components – Interior 2

Expansion Valve	1
Sight Glass	2
Accumulator.....	3
Drier Filter.....	4
Solenoid Valves	5
Angle Isolation/Service Valves	6
Compressor	7
Receiver	8



Figure 3

Performance Data

