

# ATMOSPHERIC WATER GENERATORS

Rated up to 10,000 Gallons per Day – Relocatable Packaged Solutions

## LEADERS BY DESIGN

*Atmospheric water generation has never been more important than it is today to provide safe, clean drinking water to areas with lack of groundwater resources. ACT has recognized this need and pioneered advanced designs in humidity extraction technology to provide water from air in turnkey mobile and relocatable solutions. Our patent pending design delivers unsurpassed capacity in self-contained units with a state of the art control system, integrated water treatment, and mechanical design that push the limits of today's technology. Our team continues to lead independent private research in this field with advancements in versatility, efficiency, and process integration to deliver solutions at increasing scales.*



## ENGINEERED SUPERIORITY

ACT has developed and tested large-scale atmospheric water generators from the ground up using dehumidification technology to deliver drinking water from air for less than 1 kWh per gallon (0.26 kWh per liter) and up to 10,000 gallons per day in a single unit.

### Product Features:

- 250 KW average total power consumption.
- Relocatable modular design simplifies shipping and installation.
- Ships with refrigerant already charged, similar to an appliance.
- Stainless steel water collection system with self-priming water pump.
- 500 gallon water collection pan allows intermittent water draw.
- Control system provides automation, safeguards and telemetry access.
- Touchscreen HMI allows intuitive and simple navigation for operation, process monitoring, diagnostics, data collection, and tuning.
- Motor drives allow precise tuning control for optimized performance.
- Air filter media is antimicrobial and MERV 8 rated.
- Weather protection and climate control allow year round performance and automatic shutoff.

### Product Options:

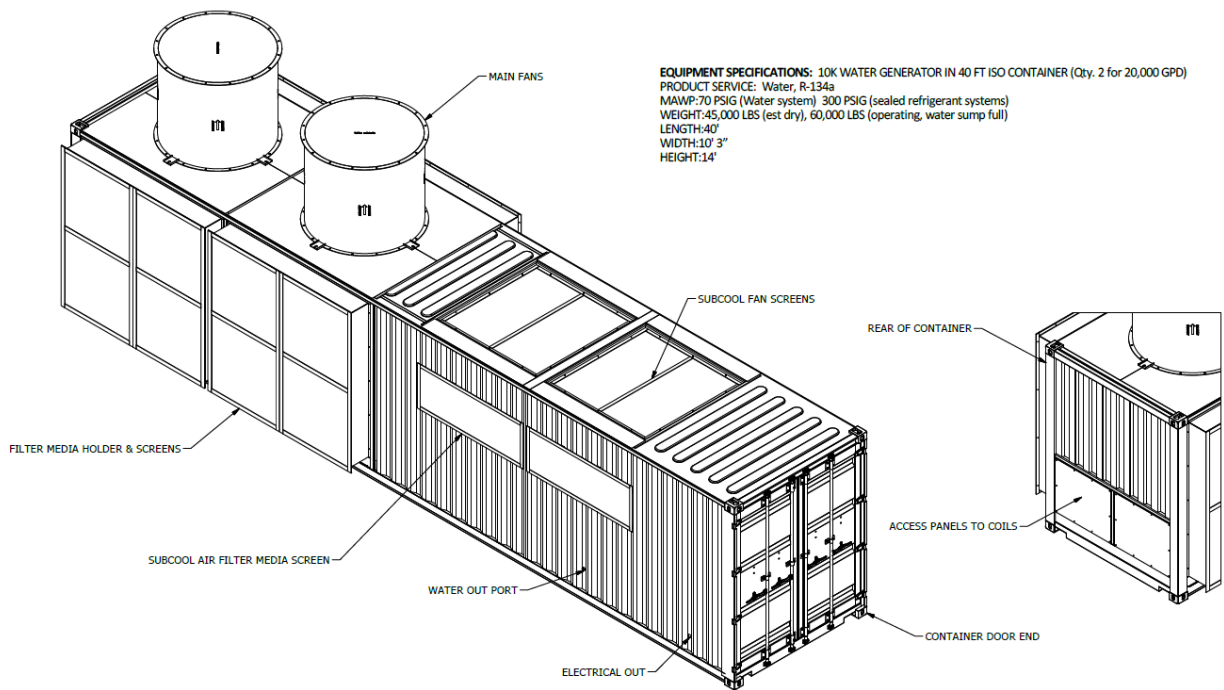
The system can be customized with a variety of features. Multiple units can be coupled for parallel operation with shared water treatment and piping manifolds, available from ACT.

- Integrated power generation
- Multi-unit manifolding kits and shared water treatment systems.
- Customized controls and telemetry for remote access and monitoring.
- Weather protection including louvers and exhaust damper sections.
- Efficiency enhancers including velocity stacks and bypass airbox.
- Water treatment system with UV sterilization, particulate filtration, and mineralization filters.

# WG-10K ATMOSPHERIC WATER GENERATOR

## MAXIMUM WATER PRODUCTION ESTIMATES

		Relative Humidity						
		30%	40%	50%	60%	70%	80%	90%
Temperature	59 °F	-	-	125	165	195	215	235
	68 °F	-	90	140	190	220	245	265
	77 °F	35	100	155	210	245	270	295
	86 °F	40	110	175	235	275	305	330
	95 °F	45	125	200	265	315	345	375
	104 °F	50	140	225	300	355	390	415
		Gallons per Hour						



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