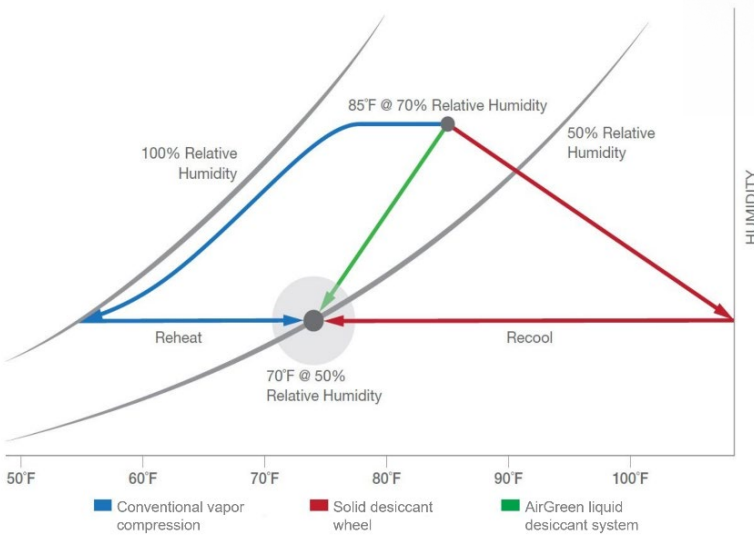


AG Series: 1100, 2200, & 3300

Commercial Liquid Desiccant Air Conditioning & Dehumidification System



Benefits

AirGreen provides many benefits:

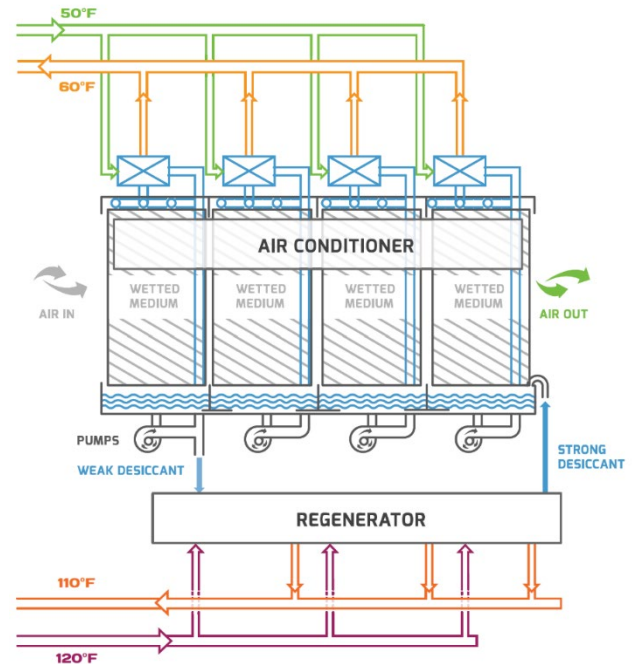
- Designed with Sustainability in Mind, Climate Friendly
- Reduces Energy Use by up to 60%
- Provides Superior Indoor Comfort
- Scrubs the Air of Pathogens, Viruses, & Molds
- Reduces Green House Gas (GHG) Emissions
- Competitively Priced with Current Systems
- Proven, Tested, Reliable, and Available Now
- Precise Temperature and Humidity Control

Conditioner & Dehumidifier

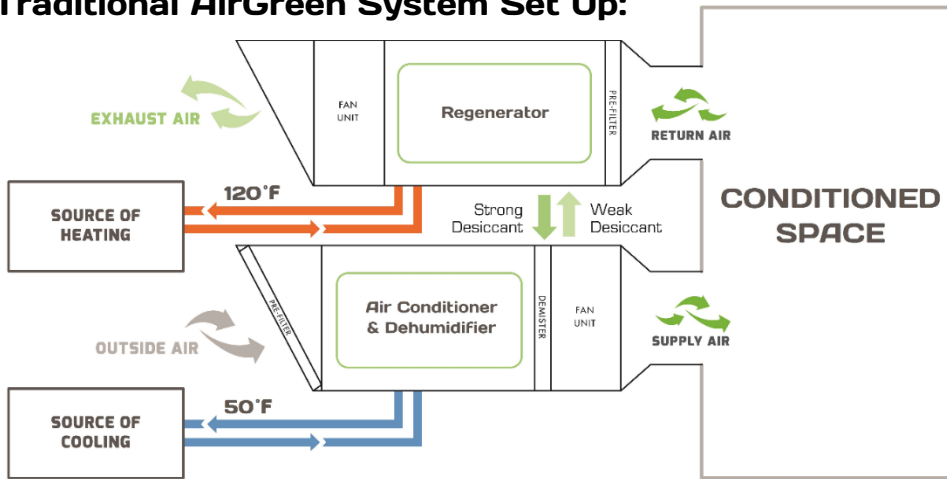
Moisture is removed from the inbound air in each of the four absorbing stages via direct contact with cool, concentrated liquid desiccant present on the proprietary wetted media. The liquid desiccant is circulated through plate heat exchangers fed by cooling fluid (typically water or water/glycol) to remove heat at each stage and keep the desiccant cool. Conditioned air is supplied both dry and cool, typically at 55°F and 40-50% relative humidity (RH), providing for superior comfort. The dilute desiccant is pumped to the AirGreen Regenerator for re-concentration.

Regenerator

Similar to the air conditioning process, moisture from the dilute desiccant is released to the exhaust air stream via direct contact with heated liquid desiccant present on the wetted media. The liquid desiccant is heated via a hot water source at relatively low temperatures levels (110-130°F) and can be sourced from heat pumps, solar, cogeneration (CHP), or other renewable resources.



Traditional AirGreen System Set Up:



Applications:

- ✓ Manufacturing
- ✓ Indoor Agriculture
- ✓ Health Care
- ✓ Grocery Store
- ✓ Indoor Pool
- ✓ School
- ✓ Pharmaceutical
- ✓ Cold Storage

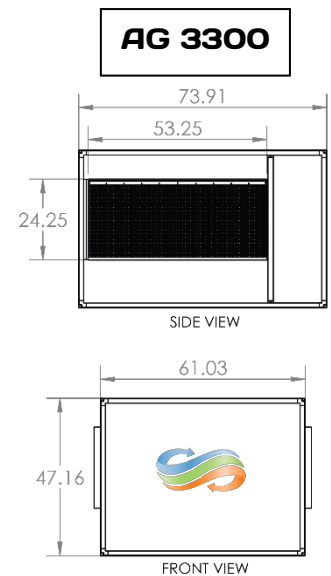
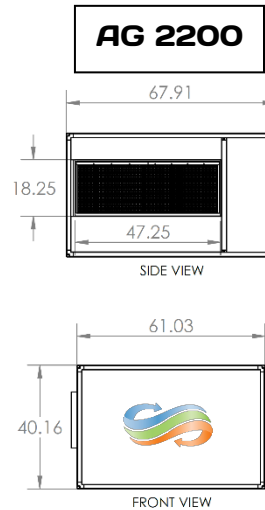
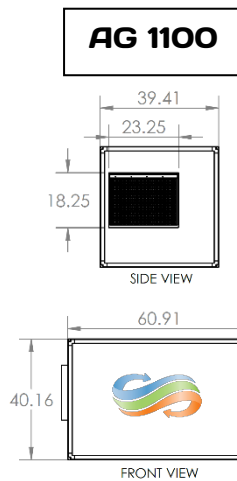
Dimensions:

All AirGreen systems are equipped with at least:

(x1) AG Conditioner Unit

(x1) AG Regenerator Unit

*All units are in inches



Technical Specifications

Model Number:	AG 1100		AG 2200		AG 3300	
Process Airflow:	1000 CFM		2000 CFM		3000 CFM	
Hot & Chilled Water Temperatures:	90-130°F	40-55°F	90-130°F	40-55°F	90-130°F	40-55°F
Water Flowrates: HW & CHW	20 GPM	26 GPM	35 GPM	40 GPM	52 GPM	60 GPM
Desiccant Volume:	80 gallons		120 gallons		140 gallons	
Total Capacity: - Total Cooling (max.)	7.5 tons		15 tons		22.5 tons	
	90,000 BTU/hr		180,000 BTU/hr		270,000 BTU/hr	
Moisture Removal Rate: [lbs/hr]	Up to 50 lbs/hr		Up to 95 lbs/hr		Up to 145 lbs/hr	
[ppd]	Up to 1,100 pints per day		Up to 2,200 pints per day		Up to 3,300 pints per day	
Electrical (Voltage/Phase/Hz):	120V/1ph/60Hz, 11.025 FLA, 20 MCB [For all unit sizes]					
Shipping Weight:	475 lbs		710 lbs		840 lbs	
Operating Weight:	1,050 lbs		1,500 lbs		1,600 lbs	
Dimensions (inches): - Length x Width x Height	[39.5 x 61 x 40.25] in		[68 x 61 x 40.25] in		[74 x 61 x 47.25] in	
Clearances (inches):	4-ft in Front, 3-ft over Top, 1/2-ft Behind [For all unit sizes]					

Revision Date: 2/14/2023

