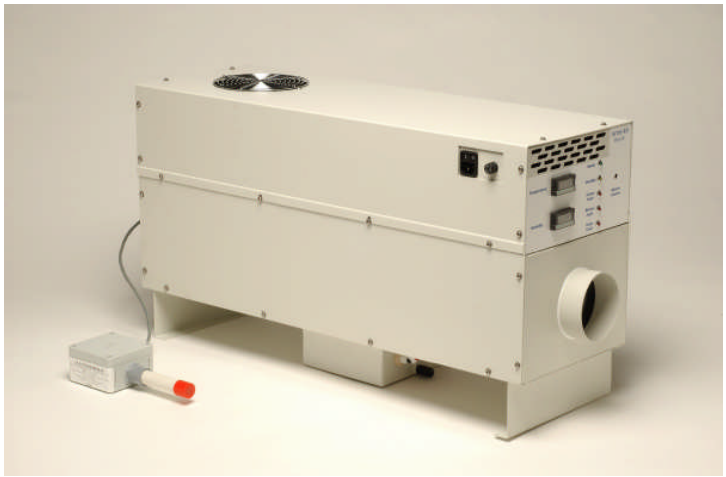
ArrayAir *Micro II*

Environmental Control Unit



Improve spot morphology and consistency.

Maintain exact humidity Year around.

+ADD

Humidity in winter.

- SUBTRACT

Humidity in summer.

Maintain stable temperature and cleanliness.

This second generation ECU (Micro II+) unit has been designed with a compact TE (thermoelectric) device for cooling. These units have the capability to humidify, dehumidify, heat, cool, and clean the air using a HEPA filter.

The distribution manifold OPTION is a custom designed air distribution and air return system that extends inside the enclosure to ensure proper air conditioning of your process. Simple flexible duct hoses connect to the enclosure and re-circulate the air.

Custom enclosure design and manufacturing can be provided by our experienced staff.

A product of AiR INNOVATIONS
7000 Performance Drive North Syracuse, NY 13212
800-535-3295; Fax 315-452-7420

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Technical Data

	Micro II	Micro II +
Performance		
Relative Humidity (%)	Room RH to 80% +/- 5%	Setpoint 50-80%RH +/- 5% RH
Temperature (degF)	NA	Setpoint 10-27C (50-80F) +/- 1C (2F)
Cooling Capacity (Watts)	NA	Thermal electric cooling 162 watts
Heating Capacity (Watts)	NA	Resistive reheat element 300 watts, SSR, on/off PID control
Airflow (Cfm)	10-30	
Power (Volts/Phase/Hz)	120/1/60	
Circuit Size (Amps)	20	
Filtration	HEPA 99.99% efficient @ 0.3 microns	
Controls		
Type	ON /OFF	PID
Accuracy (+ or -)	+/- 5% RH	+/- 1 degC; +/- 5% RH
Data Logging	NA	RS 232/485 option
External Hookups		
Water Supply	1/4” City Water	
Water Drain	1/2” Drain	
Unit Dimensions		
	762mm (30”) L x 259mm (10.2”) D x 406mm (16”) H	

Features

- Adaptable up to 30 cubic foot enclosure
- Cools and heats 5 degF below or above room temperature
- Controls temperature to +/- 2 degF
- Humidifies up to 80%RH
- Dehumidifies down to 10% RH below room RH
- Controls humidity to +/- 5%
- HEPA filtration; 99.99% efficient at 0.3 micron particle size
- Quiet operation
- Lightweight and portable
- Custom units available

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