



Unique challenges require specialized solutions.
 Whether your application calls for precise temperature and humidity tolerances with cleanroom level filtration or a system that can be integrated into or run parallel with your system, ***we have a solution for you.***





- **Bio-tech**
- **Cleanrooms**
- **Blistering Packaging**
- **Explosion-proof**
- **Tablet coating**
- **System integration**
- **Pharmaceutical**
- **R&D**






Air Innovations can design, test, and build products that can be integrated into or run parallel with your system. Below are a few examples of some recent environmental control solutions.

Standard Products

	<p>HEPAir Cleanroom HVAC systems are the perfect solution for stable control of temperatures, humidity, pressure and cleanliness. Features include:</p> <ul style="list-style-type: none"> • Operates independently of large, central systems • Can control positive and negative pressure • Designed for once-through or recirculating applications • Designed to match to most existing fan/filter units
	<p>ArrayAir- environmental is a portable solution specially designed to maintain exact clean room humidity, stable temperature and cleanliness in a clean room environment up to 30 cubic feet. Features include:</p> <ul style="list-style-type: none"> • Thermal electric cooling 162 watts • Humidifies up to 80% RH • Dehumidifies down to 10% RH • Fan speed control • Heating capacity 300 watts • Custom units available

Custom Products

	<p>Medical Device – environmental control system designed and built for chemical process control. Features include:</p> <ul style="list-style-type: none"> • Has two independent cooling coils and process fans operating on alternating basis • Controls close-tolerance cold and dry environments • Protects onboard process reagents • Holds temperature and humidity level 24/7
	<p>Medical Environmental Control System with Desiccant Humidity Control and Temperature Control. Features include:</p> <ul style="list-style-type: none"> • Relative Humidity controlled to $\pm 0.5\%$, and set to $<3\%$ RH with $0.011 \mu\text{g}/\text{min}$. continuous evaporation latent load plus moisture leakage loads. • Temperature controlled to $75^\circ\text{F} \pm 2^\circ\text{F}$ • ISO 8 cleanroom level HEPA filtration (99.97% to 0.3μ) • PID loop controls for temperature and humidity • Airflow designed for 90 CFM – Max. external static pressure of 1" • Hot-gas bypass refrigeration control • Electric reheater
	<p>Custom environmental systems that controls temperature, pressurization, humidity and cleanliness. Capabilities include:</p> <ul style="list-style-type: none"> • Temperature control tolerances from plus or minus a few degrees to 0.01°C and $\pm 0.5\%$ RH • Up to 6,000 CFM • HEPA or chemical air filtration • 1/4-ton to 15-ton cooling • UV air sterilization • Ultrasonic or steam humidification