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

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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

<table>
<thead>
<tr>
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| ![Medical Device](image1.png) | Medical Device – environmental control system designed and built for chemical process control. Features include:  
- 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 |

| ![ArrayAir](image2.png) | 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:  
- 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

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| ![HEPAir](image3.png) | HEPAir Cleanroom HVAC systems are the perfect solution for stable control of temperatures, humidity, pressure and cleanliness. Features include:  
- 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 |

| ![Medical Environmental Control System](image4.png) | Medical Environmental Control System with Desiccant Humidity Control and Temperature Control. Features include:  
- Relative Humidity controlled to ±0.5%, and set to <3% RH with 0.011 µg/min. continuous evaporation latent load plus moisture leakage loads.  
- Temperature controlled to 75°F ±2°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 re heater |

| ![ArrayAir- environmental](image5.png) | Custom environmental systems that controls temperature, pressurization, humidity and cleanliness. Capabilities include:  
- Temperature control tolerances from plus or minus a few degrees to 0.01°C and +/-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 |