



HVAC Retrofits

Your One Source for HVAC Retrofit Systems and Solutions



Upgrading or replacing older HVAC equipment can enhance performance, efficiency, and reliability while increasing the value of your building asset. Additionally, retrofit applications can improve indoor air quality and ensure consistently comfortable environments for occupants.

Impact Climate Technologies (ICT), through our network of companies, has decades of experience in the HVAC retrofit market. We partner with industry-leading manufacturers to deliver innovative solutions that maximize value.

Our team of engineers understands the importance of specifying equipment that minimizes installation costs and downtime while meeting efficiency goals. Working within existing spaces, ICT helps reduce maintenance, improve indoor environments, and extend equipment longevity.

We are your one source for HVAC retrofit equipment systems and solutions.

- ✓ **Innovative and highly-efficient technologies.**
- ✓ **Solutions that address access, space, and time challenges.**
- ✓ **Reliable products with low maintenance and easy serviceability.**
- ✓ **Systems that benefit occupants with improved indoor air quality.**
- ✓ **Solutions customized to address existing equipment/system issues and provide for future capability.**

Air Handler Retrofits and Replacements

AHU retrofits and replacements are designed to provide improved reliability, efficiency, and performance. Your ICT professional is also experienced in designing systems that address installation challenges with minimal disruption to building occupants or processes.

Solutions for Access, Space, and Time Challenges

We offer innovative solutions for applications with space and time constraints or limited and difficult access. Your ICT professional will help to identify the right products for even the most challenging installations.

Reliable Solutions with Low Maintenance and Easy Serviceability

Improving reliability is one of the primary reasons to replace or upgrade air handling systems. Our team understands the importance of providing consistently comfortable environments and improved indoor air quality for the occupants while also designing systems that are low maintenance and easy to service. In addition, ICT has Nortek Air Solutions – Factory Certified Technicians to assist with retrofit applications.

Vertical Self-Contained Systems

Vertical, self-contained systems provide a customized configuration that offers design flexibility and quiet operation, since these units are typically installed near occupied space. Taking a floor-by-floor approach gives occupants more individual control over comfort conditions and utility costs for their space.

Mammoth V-Cube Slim

Ideal for replacing aging inventory of water cooled vertical self-contained units and heat pumps. The compact footprint and sectionalized design make the V-Cube Slim ideal for the replacement market.

- ✓ Sectionalized design fits in common building elevators and through doors
- ✓ Single piece refrigeration section, fully charged
- ✓ R-454B refrigerant
- ✓ Cooling only, heat pump, geothermal, VAV offerings
- ✓ FanWall Technology fans with VFD, scroll compressors, variable speed 1st stage
- ✓ Waterside economizer and filter options
- ✓ Factory DDC controls (standalone) & BACnet interface



Knockdown Air Handlers

Nortek, Temtrol, and Ventrol Knockdown AHUs

Existing AHUs in need of an upgrade or replacement are often located in hard-to-get-to places where replacing the AHU assembled is not an option. Knockdown AHUs minimize building demolition, downtime cost, and are ideal for applications facing space or access limitations, along with constraints on time and cost.

- ✓ Double wall, thermal break construction, fiberglass or foam insulation options
- ✓ FanWall Technology for efficiency, sound, and redundancy
- ✓ Chilled & hot water, DX, steam coils available
- ✓ Energy recovery options including ERW, plate-to-plate heat exchanger, heat pipe
- ✓ Customized to meet specific requirements

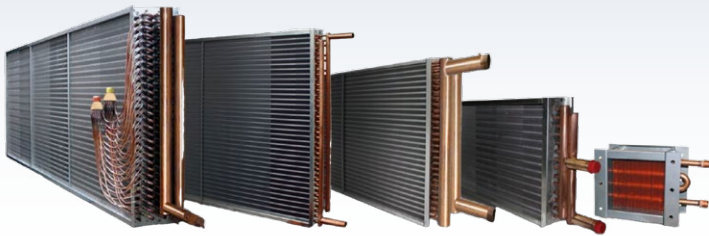
FANWALL® Systems

Nortek FANWALL System Replacements

FANWALL systems to replace aging, end-of-life fans in existing air handlers can be a cost-effective solution to avoid the monetary and business disruption of an air handler failure while delivering significant energy savings.

- ✓ AMCA certified performance
- ✓ Quiet and vibration free operation, redundancy
- ✓ Low maintenance cost, direct drive fans with permanently greased bearings
- ✓ Sized for each application, superior part-load performance





Replacement Coils

Nortek and Temtrol Replacement Coils

Replacement coils include a full line of hot and chilled water, steam, booster, and direct expansion (DX) replacement coils for air handling systems.

- ✓ AHRI certified performance
- ✓ 1/2", 5/8" copper tubes, aluminum or optional copper fins
- ✓ Galvanized casings, 304 stainless steel available (recommended)
- ✓ Configured for specific size and performance requirements

Custom Penthouse Replacement

Mammoth (Venmar) Custom Penthouses

From custom footprints and low sound requirements to meeting high operating efficiency and filtration standards and providing multiple levels of redundancy, Mammoth has custom solutions to address replacement needs.

Mammoth (Venmar) Specializes In:

- ✓ Replacement footprint designs to match existing curbs/structure
- ✓ 150 to +400 Tons
- ✓ Next generation R-454B & R-513A refrigerants
- ✓ Air cooled, evaporative cooled, water cooled, heat pump configurations
- ✓ FanWall Technology for sound, efficiency, redundancy
- ✓ Factory DDC controls (standalone) with BACnet interface



Custom Packaged Rooftop Systems

Mammoth (Venmar) Ultraline

Ideal for new construction or replacement applications, Nortek Air Solutions Mammoth Ultraline offers a broad range of options to provide complete, packaged HVAC solutions. Designed to meet comfort, sound, efficiency, environmental, and indoor air quality requirements, Ultraline units feature innovative technology and flexible configurations.

Reduce Installation Time and Cost: Delivered to jobsites complete or in shipping sections, these units reduce installation time and cost for both new construction and retrofit projects.

- ✓ Ideal for replacing/upgrading legacy Mammoth (Venmar) Ultraline rooftops
- ✓ Replacement footprint designs to match existing curbs/structure
- ✓ Next generation R-454B & R-513A refrigerants
- ✓ Air cooled, evaporative cooled, water cooled, heat pump configurations
- ✓ FanWall Technology for sound, efficiency, redundancy
- ✓ Factory DDC controls (standalone) with BACnet interface

Contact our ICT Business Development team to learn more about these and other products ideal for retrofit projects.