

AC Corporation is a North Carolina corporation founded in 1935. With a long history of proven expertise, we provide HVAC, electrical, plumbing, process piping, controls, equipment design and fabrication, and service needs for industrial and commercial markets throughout the United States.

AC Corporation is an employee-owned company with approximately 400 employees. Our 300 skilled shop and field technicians are supported by a staff of accomplished engineers, project managers, estimators and administrative personnel. Our experienced professional engineers are registered in many states across the United States.

AC Corporation is headquartered in Greensboro, North Carolina with full service facilities in Winston-Salem, North Carolina. We are well positioned to provide engineering, project management, shop, field and service personnel to meet the needs of industry and commerce.

1930-40s

1950-60s

1970-80s

1990-present

Air conditioning was in its infancy, with limited installations in theaters, laboratories, department stores and some manufacturing facilities where processes required it. After World War II, industrial production was redirected to civilian needs and air conditioning gained in popularity. AC Corporation grew along with the increased demand for air conditioning.

AC Corporation installed a production-size clean room, the first in the world. The installation procedure for this project was adopted for the entire Bell System and later became the basis for the first Federal Standards on clean rooms.

Perpetuating the company founder's strong commitment to employee ownership, AC Corporation extended ownership to all employees in 1976 through an Employee Stock Ownership Plan (ESOP.)

AC Corporation holds a number of patents on products and processes related to the Mechanical, Electrical and Controls fields.

AC Corporation has expanded its service offerings to our clients to include HVAC, Mechanical, Plumbing, Process Piping, Electrical, Computerized Controls, Manufacturing, Installation and Service.



GREENSBORO 301 Creek Ridge Road | Greensboro, NC 27406 | (336) 273-4472  
WINSTON-SALEM 2550 Viceroy Drive | Winston-Salem, NC 27103 | (336) 765-0416  
RALEIGH 8205 Brownleigh Road | Raleigh, NC 27617 | (919) 943-6116  
RURAL HALL 1020 Supply Road | Rural Hall, NC 27045 | (336) 245-4582

[ACCorporation.com](http://ACCorporation.com)

# CUSTOM AIR HANDLING UNITS



[ACCorporation.com](http://ACCorporation.com)



AC Corporation offers one of the most complete and durable industrial custom built air handling units designed to meet specific customer requirements. The units are fabricated and assembled in our factory and constructed on a rigid structural frame. Experienced AC Corporation field crews are available for complete installation including electrical, controls, start-up, training and service.



CUSTOM AIR HANDLING UNIT FEATURES & BENEFITS

- Design Flexibility/Quality Engineering** - Each unit built to suit our customer’s specific needs with top of the line components.
- Unitary or Modular Design Flexibility** - Units can be built complete in our factory or shipped in modules to facilitate difficult rigging situations.
- Unit design** - Every unit custom designed to the owner’s requirements using AC Corp’s high quality standards of construction.
- Factory built modular mechanical rooms** with chillers, boilers, pumps, piping, electrical and controls. We can build your complete energy plant in-house!

OUR STANDARDS OF CONSTRUCTION

- AC Corp Manufactured Polyurethane** foamed in place panel walls in a variety of skin constructions and thicknesses. Includes: Aluminum, galvanized, stainless steel; smooth or stucco finishes; and 2”, 3” and 4” thickness options.
- Base** - Carbon steel or aluminum structural I-beam and C-channel; carbon steel bases are continuously welded, primed and painted. All bases shipped with lifting lugs for easy rigging.
- Panel Members** - High quality extruded aluminum with integral thermal breaks (no thru metals) at all corner, butt, wall and curb joints.
- Doors** - Class 1, polyurethane foam panels with top of the line chrome-plated hardware and safety glass inspection windows.
- Flooring** - Watertight continuously welded safety tread plate in a variety of materials.
- Underfloor** - Sprayed-on continuous polyurethane foam insulation (sheet metal cover optional).
- Lights** - Marine-type in each section, pre-wired to switch outside fan section access door with convenience outlet as standard.
- Mechanical Components** - We work closely with our OEM equipment suppliers to provide the best options and highest quality fans, motors, coils, dampers, filters, etc. that our customers require.
- Air Washer** - All welded stainless steel spray compartment with inlet baffles and serviceable spray trees and eliminator blades. Available in low, medium and patented Hungate™ high velocity arrangements ideal for retrofits where weight, space and/or increased airflow are a concern.
- Controls** - Optional factory installed to meet the customer’s preference-pneumatic/DDC/PLC.
- Electrical** – Optional complete power wiring for unit including starter/distribution panels and VFDs.

