



AIRENTERPRISES

Quality...not compromises

How Does Highest AHU Quality
Deliver Lowest Total Cost?



CUSTOM AIR HANDLING SOLUTIONS



AIRENTERPRISES

Quality...not compromises



CUSTOM AHUs

Custom design, precision engineered and ruggedly built all-aluminum units with state-of-the-art controls, fans and accessories. Industry leader in new facilities and expansions.



SITEBILT

AIR HANDLING SOLUTIONS

Unique in the industry, SiteBilt AHUs combine factory engineered quality with fast, easy on-site installation – and no building modification. Ideal for economical replacement installs.

Air Enterprise AHU's, built with a high percent of recycled materials, support growing LEED and Green Building initiatives.

For over 50 years, Air Enterprises has delivered the highest in quality, reliability, energy efficiency, and more. Here are some of the reasons why:



Lightweight, corrosion resistant aluminum construction increases equipment life, reduces maintenance and downtime costs, and minimizes building structural requirements.

This is a representation of a basic air handling unit. Air Enterprises manufactures customized configurations of its air handling units, including multiple-story units, penthouse units, or any other conceivable configuration.



Structural casing is designed for deflections less than 1/200th of span casing. Withstands pressures in excess of 15 in. wc. Our design protects against catastrophic casing failure that could result from an improper system damper closure or other events that cause excessive unit static pressures.



Integral casing supports provide component mounting within the unit without penetrating the casing. Air quality and air and vapor leakage integrity are not compromised.

Any coil can be removed or serviced from either side of the unit without disturbing the other coils. Entire coil banks need not be disassembled simply to replace or repair one coil.



Corrosion resistant coil construction features stainless steel casings and extra thick tube walls and fins for longer life. Coils are selected with wider fin spacing to improve efficiency and facilitate maintenance.



Heavy-duty aluminum airfoil, low-leakage dampers reduce the potential for unit failure and minimize operating costs.



All access doors open against the air pressure. Unique double bevel air seal design features continuous door gaskets providing non-shearing compression to reduce door air leakage.



Double wall casing with totally encapsulated insulation enhances air quality by eliminating migration of insulation fibers and potential microbiological contamination into the air stream.

Low air and vapor leakage is inherent in our design. Leak-resistant casing construction provides the lowest leakage rates in the industry – guaranteed less than 1/2% of delivered volume at design pressures. Low leakage provides lower operational costs and enhanced integrity of conditioned air.



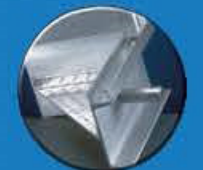
Structurally reinforced filter banks will not fail because of excessive filter loading.



True thermal break casing technology minimizes potential for casing condensation.



Structural aluminum base perimeter members, supports, and minimum 3/8" thick plate floors assure long life with maintenance-free structural integrity. This provides service personnel a safe and comfortable working environment inside the unit.



Full-height, batten-type sound attenuator sections feature aluminum construction with a solid aerodynamic nose cone to absorb noise. Insulation fibers are isolated from the air stream to avoid contamination.



Doors utilize high quality industrial hardware, such as continuous piano hinges, to prevent door racking. Door handles are cast aluminum to AE hardness standards to curtail breakage and use an innovative non-slip stainless steel bolt to minimize the need for handle replacement during the life of the unit.



Precision balanced fan/motor assemblies reduce loads on bearings and stress on fan structures for longer equipment life.



Air Enterprises offers high efficiency, industrial construction, direct-drive plenum type or belt-drive centrifugal fan assemblies that will provide long-term operational integrity and durability with reduced maintenance and increased efficiency.



Premium-efficiency HVAC motors offer extended service life, reduced operating costs, and greater compatibility for use with variable speed drives.



Stainless steel coil condensate pans, designed with dual slope for positive drainage, improve air quality by eliminating potential undesirable micro-biological elements in the airstream.



Removable service panels feature quarter turn latches to allow fast, easy access to fans and coils using only standard tools, without disturbing adjacent panels.



Design A System Online

For a great way to get started, just log on to www.airenterprises.com to access our icon-based AirWare 3000 design routine that allows you to easily lay out and design a custom air handling unit. Of course, you can also begin your Air Enterprises experience by phone, fax, or e-mail for assistance with preliminary engineering and programming on any project.





Air Enterprises – for all your custom air handling needs.

A Partial Listing Of Air Enterprises Installations and Customers

Installations

Abbott Laboratories	Massachusetts General Hospital
Allison Transmission	Mercedes Benz
Amgen	Merck
Anheuser Busch	MetroHealth Medical Center
AstraZeneca	New York University
Battelle	NIH [National Institutes of Health]
Bausch & Lomb	Northwestern University
Bayer Healthcare	Olympic Tower
Boehringer Ingelheim	Pfizer
Boeing/United Launch Alliance	Procter & Gamble
Bristol-Myers Squibb	Rutgers University
Case Western Reserve University	Smith College
Charles River Labs	St. Johns Mercy Medical Center
Children's Hospital Medical Center of Akron	St. Jude Children's Research Hospital
Cleveland Clinic	Summa / Akron City Hospital
Cornell University	Syracuse University
Cummins Engine	University Hospitals of Cleveland
Dartmouth College	University of California, Irvine
DuPont	University of Chicago
Eli Lilly	University of Cincinnati Medical Center
Evanston Northwestern Healthcare	University of Louisville
Florida Atlantic University	University of Maryland Medical System
Fox Chase Cancer Center	University of Pittsburgh Medical Centers
Genentech	University of Rochester Medical Center
GlaxoSmithKline	Vanderbilt University Medical Center
Harvard University	Veterans Health
Inova / Alexandria Hospital	Virginia Tech
Johns Hopkins Medical System	Washington University in St. Louis
Maryland General Hospital	Wyeth
	Xerox
	Yale University

Markets

Hospital/Healthcare	Chemical/Polymer
College/University	Electronics/Microelectronics
Research Laboratory	Advanced Technology
Museum/Library	Data/Communications
Pharmaceutical/Biotech	

