

Certified Testing Services
 Indoor Air Quality (IAQ), Particulate Matter (PM)
 Mold, Asbestos, Carbon Dioxide (CO²)
 Hydrogen Sulfide (H²S), Carbon Monoxide (CO)
 Radon, Radiation, EMF (electric magnetic field)
 Remediation & Mitigation Consultation
Commercial and Residential



Commercial Building Air Handling Basics



Heating, Air Conditioning, Ventilation, Filtration...

AIR HANDLING UNITS

The air handling unit is an integrated piece of equipment consisting of fans, heating and cooling coils, air-control dampers, filters and silencers. Air Handling Units are often called AHUs.

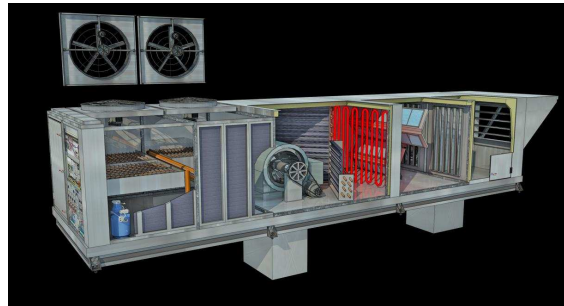
The purpose of this equipment is to collect and mix outdoor air with the returning air from the building space. The air mixture is then cooled, heated, and/or filtered, and after which is then discharged back into the building space through a ducting system.

Air Handling Units are normally associated with heating/cooling (HVAC) systems in commercial buildings. These are normally very large systems moving 2000 CFM (cubic feet per minute) to 10,000 CFM of air and higher.

These units may be mounted on the rooftop or in large mechanical rooms located in buildings. They often have an economizer or inlet damper that allows for amounts of outside air, or fresh “make-up” air to be pulled in through the unit.

Examples of Commercial Building Air Handling Units... With various functionality:

- High volume with heating, cooling, filtration, outside makeup air mix...



- Lower volume with outside makeup air intake only.

- Medium volume with heating, cooling, filtration, outside makeup air mix...



EPA-Environmental Protection Agency
 Radon Protocol
 EPA IAQ



Health Canada
 Radon - IAQ
 Its Your Health



NEHA
 National Environmental Health Association
 NRPP
 National Radon Proficiency Program



WHO
 IRP-International Radon Project
 WHO International EMF Project
 IAQ Guidelines

