HVAC University Course Descriptions

Classes

- March 15, 12-1 p.m., CDT – Proper Application and Specification of Ceiling Radiation Dampers and Ceiling Radiation Damper- Ceiling Exhaust Fan Combinations
- March 16, 12-1 p.m., CDT – Make-Up Air Ventilation
- March 22, 12-1 p.m., CDT – Warehouse Ventilation Strategies and Design Considerations
- March 23, 12-1 p.m., CDT – Laboratory Fume Exhaust

Proper Application and Specification of Ceiling Radiation Dampers and Ceiling Radiation Damper-Ceiling Exhaust Fan Combinations

An overview of the purpose of ceiling radiation dampers commonly utilized in commercial construction. This course discusses relevant test standards and third-party certification, including applications and design assemblies for ceiling radiation dampers. The application and proper specification of ceiling radiation dampers in conjunction with bathroom exhaust and ceiling exhaust fans is also explored.

Make-Up Air Ventilation

This course discusses make-up air systems used in commercial kitchens and industrial applications. Topics include heating and cooling technologies, energy reduction strategies, direct and indirect gas heating technology, controls, UL requirement for cooling in kitchens, demand-based ventilation for saving energy, processing make-up air, and building pressurization.

Warehouse Ventilation Strategies and Design Considerations

This course is intended to familiarize participants with typical heating and ventilation systems in warehouse applications. Topics include summer ventilation strategies, space heating systems, benefits of high volume, low speed (HVLS) fans for air circulation and life safety design considerations.

Laboratory Fume Exhaust

This course is aimed at familiarizing participants with the basics of laboratory ventilation and emphasizing the importance of codes and standards for laboratory design. AMCA's Induced Flow Ratings Seal will be explained along with a discussion on airflow measurement and controls.