



Product Fundamentals

Product Fundamentals:

1. Introduction (1-hr)
2. Air Handlers: (8-hrs)

Design and Selection Considerations for the following sub-components:

1) Air Blender	8) Face & Bypass	15) Filtration
2) Blank-Access-Turn	9) Face Damper	16) O.A. Monitoring
3) Coil	10) Controls Section	17) Moisture Eliminator
4) De-humidification	11) Fan & Motor	18) Multizone
5) Diffuser	12) Heat Recovery	19) Heat
6) Discharge Plenum	13) Humidification	20) Miscellaneous
7) Economizer	14) Intake	

3. FanCoils (2-hrs)
4. UVs (2-hrs)
5. WSHP (3hrs)
6. RTU (3hrs)
7. Chillers (3-hrs)
 - a. Compressor Technologies
 - b. Application
 - c. Life Cycle Cost Consideration
8. Variable Refrigerant Flow (2-hrs)

Purpose: This training will help you understand the basic subcomponents that make up each of the products detailed above. We will discuss various design parameters that need to be considered when applying this type of equipment. Throughout this course, we will regularly discuss the 'first-cost' vs. 'operating costs' ramifications of each possible choice.