

238000 Decentralized HVAC Equipment

Sections Included In This Standard:

- 1.1 Fan Coil Units
- 1.2 Humidifiers
- 1.3 Chilled Beams (*future*)
- 1.4 Computer Room Air Conditioners (*future*)

1.1 FAN COIL UNITS

- A. ACCESS: Adequate clearance shall be provided for all service, repairs and component replacement.
- B. LUBRICATION: Specify externally accessible fittings for lubrication.
- C. DRAIN PANS: Drain pans shall be trapped and angled to ensure proper drainage.
 - 1. Primary Drain Pan: Material shall be 316L stainless steel with a 24 volt float switch installed.
 - 2. Auxiliary Drain Pan: Unless the Fan Coil Unit is located in a room with a floor drain, an auxiliary drain pan shall be provided to catch the overflow if the primary drain clogs. Material shall be galvanized steel. Auxiliary drain pan shall extend underneath the chilled water control valve. The auxiliary pan shall be piped to drain in a manner that shall serve as a signal to occupants that there is a problem; however, its draining shall not cause damage, even if it drains for several days. A 24 volt float switch shall be installed and wired in series with the primary drain pan switch to close the chilled water control valve.
- D. FILTRATION: All new fan coil ductwork installations shall have a 24"x24" lay in Filter Backed Grill in the ceiling grid instead of having the filter installed at the fan coil unit above the ceiling. The only exception to this rule is when the makeup air is not filtered. Where certain applications should arise, a variance shall be submitted for approval prior to the installation of said fan coil unit.
- E. ACCEPTABLE MANUFACTURERS: Airtherm; Carrier; Trane; York; McQuay; Titus

1.2 HUMIDIFIERS

- A. APPROVED TYPES
 - 1. Steam Grid Type: Steam grid type with stainless steel distribution.
 - 2. Other Types: Other types of humidifiers, besides the steam grid type, may be used with PPD's written approval.
- B. PROHIBITED TYPES: Spray types are not allowed.

1.3 **CHILLED BEAMS** (future)

1.4 **COMPUTER ROOM AIR CONDITIONERS** (future)

END OF SECTION