

AHU System Data Sheet

Air Handling Type	Non-dedicated (Par 6.3) Variable Air Volume
Indoor Design Temperature - Cooling	Room Data Sheets
Indoor Design Temperature - Heating	Room Data Sheets
Indoor Design Relative Humidity - Dehumidification	Room Data Sheets
Indoor Design Relative Humidity - Humidification	Room Data Sheets
Minimum Total Air Changes Per Hour	Room Data Sheets
Minimum Outdoor Air Changes Per Hour	Chapter 2 and Room Data Sheets
Return Air Permitted	Yes
Exhaust Air Required	No
Air Economizer Cycle Required	ASHRAE Standard 90.1 - 2016, or latest approved edition
Heat Recovery System Required	ASHRAE Standard 90.1 - 2016, or latest approved edition
Filtration - Pre-Filters (PF-1 and PF-2)	PF-1 = MERV 7 and PF-2 = MERV 11
Cooling Source	Chilled Water
Heating Source	Steam and/or Hot Water
Humidification Source	Plant or "Clean" Steam
General Exhaust System Required	Yes
Special Exhaust System Required	Room Data Sheets
Emergency Power Required	Yes
Individual Room Temperature Control Required	Room Data Sheets
Room Air Balance	Room Data Sheets

Note 1 - VAV Air-Handling Units

The all-air VAV system describe here can also be used for applicable spaces such as offices, lobbies, classrooms, examination rooms, conference rooms, etc. The number of air handling units shall be determined by practical design considerations such as available mechanical room spaces, available above ceiling space for ductwork, functional space grouping, occupancy schedules etc. Spaces requiring constant volume shall be served by constant volume air terminals.

Note 2 - Listed Rooms and Their Names

Listed rooms, their names, codes, and design conditions found in the RDS sheets that follow this air handling unit are based on the VA Community Living Center Design Guide dated June 2011. See other RDS sheets for general purpose support and clinical spaces found in multiple areas of medical facilities.

Note 3 - Relative Humidity Control

See paragraph 6.4.1.1 Indoor Design Relative Humidity for required high and low relative humidity control strategies.