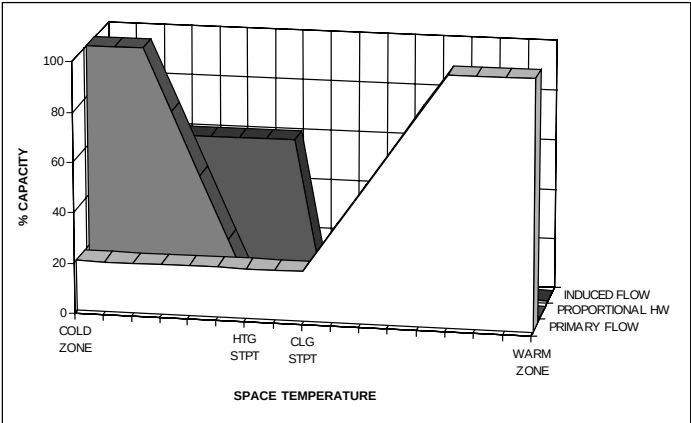




VARIABLE VOLUME FAN POWERED TERMINAL UNIT ANALOG CONTROL SEQUENCE 2306

Cooling With Sequenced Fan Proportional Hot Water Heat

2306 — User defined primary air flow setpoints are maintained regardless of central system pressure. The terminal fan runs intermittently, during a requirement for heat. Minimum and Maximum primary air flow setpoints are adjusted at the room thermostat as opposed to the terminal controller, with a digital voltmeter (DVM). The thermostat output for minimum and maximum air flow setpoints range from 0-10vdc (0-3300 fpm).

Under load for cooling, primary air flow is at maximum when the occupied space is 2°F above the user defined cooling temperature setpoint. Primary air flow is reduced to the minimum air flow setpoint in proportion to space temperature approaching space temperature setpoint.

Under a load for heating, the terminal fan is energized. The terminal fan start point is field adjustable with reference to space temperature offset from space temperature setpoint. A field supplied normally closed, proportional hot water valve will begin to open at the user defined heating setpoint. The Carrier Model VEP series hot water valves are highly recommended for accurate proportional control. The hot water valve will be fully open at 1° F below the heating setpoint.

