

DCVH Suggested Specification:

The electronically controlled variable air volume diffuser shall be the Tuttle & Bailey DCVH diffuser. Removable face plate shall be constructed of a minimum 18 gauge steel and attached to a unitary stamped seamless backpan. Diffusers shall incorporate an integral modulating disk that continually regulates the volume of supply air in response to a wall-mounted thermostat. Diffusers relying on integral induction air ceiling-located sensors or methods of set point adjustment other than from wall-mounted thermostats shall not be acceptable.

On the electrically driven units, the electric 24Vac actuators shall be a drive-open, drive closed motor to ensure finite control of temperature by modulation. Actuators that incorporate an expanding substance which only drives the unit open when subjected to heat-causing electrical current, necessitating a spring return mechanism to force the diffuser to a closed position shall not be acceptable.

Electronic modulating wall-mounted thermostatic control shall be either a 2 to 10Vdc or floating-point. All field wiring, labor and materials shall be furnished and installed by others