

Typical Specification

Ceiling diffusers shall be high performance, high induction, mixing type Model HPX as manufactured by Anemostat, and shall have a square or rectangular neck. Diffusers shall have a fixed, horizontal air discharge pattern, and shall be configured with a 1,2, 3 or 4 way core / discharge pattern as scheduled. The diffuser core shall be removable, without tools, for cleaning or re-configuring the space air distribution. No screw holes shall be visible. Induction vanes shall be factory welded to the core to prevent tampering or alteration. The induction vanes shall extend to the face of the diffuser and be designed to compress the supply air into jets which will induce room air. Jets from adjacent channels shall alternate in direction from the center outward to promote rapid mixing of room and supply air. For units requiring an adjustable air discharge pattern from horizontal to vertical projection, Model PF pattern flaps shall be factory installed in the diffuser and allow for field adjustment.

Diffusers shall be constructed from steel or aluminum as scheduled. Steel components / hardware required for design integrity are acceptable for aluminum construction. (Optional: Provide completely non-magnetic MRI units as scheduled).

Accessories shall be provided as required and scheduled to meet the design intent. Model SRA square to round duct adapters shall be used in transitioning to round duct. Adapters shall be of sufficient height to include opposed blade volume control dampers, and equalizing deflectors as scheduled. Dampers shall be adjustable from the room side by removing, without tools, the inner core assembly. (Optional: Provide square to square neck transitions so the supply duct installs inside neck, assisting in a leak-tight installation).

The manufacturer shall provide performance data obtained in accordance with current ANSI/ASHRAE standard 70.

The baked-on finish shall be Anemostat Arctic White, or color as scheduled. If custom, a sample color chip shall be provided to the diffuser manufacturer.

