

Linear Slot Diffusers

SDS SERIES - SUPPLY DIFFUSER

Furnish and install Price model SDS (50, 75, 100, 150) supply diffusers of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Diffusers shall have (1 - 10) discharge slots ($\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., 1 $\frac{1}{2}$ in.) wide with aerodynamically curved "ice tong" shaped pattern controllers for 180 degree air pattern control and air flow dampening if required. The diffuser border shall be heavy extruded aluminum construction with extruded aluminum spacers and mitered end flanges, open ends, flush end caps or angle end caps. Continuous length units shall be provided with factory assembled corner modules to suit drawings and on site conditions. Joiner strips shall be provided to align continuous slot assemblies. The diffuser border shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

SDR SERIES - RETURN DIFFUSER

Furnish and install Price model SDR (50, 75, 100, 150) return outlet of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Return units shall have (1-10) intake slots ($\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., 1 $\frac{1}{2}$ in.) wide and will match in appearance the model SDS linear supply diffusers. The SDR border shall be heavy extruded aluminum construction with extruded aluminum spacers and mitered end flanges, open ends, flush end caps or angle end caps. Continuous length units shall be provided with factory assembled corner modules to suit drawings and on-site conditions. Joiner strips shall be provided to align continuous slot assemblies. The SDR border shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

SDA / SDB SERIES - ACCESSORY PLENUMS

SDS linear slot diffuser shall be provided with Price model SDA, SDAI, SDB, SDBI plenum assembly of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Plenums shall be constructed of zinc coated steel and have $\frac{1}{4}$ in. internal insulation (models SDAI and SDBI). Plenum assembly shall have sloped shoulders for enhanced spread characteristics (SDA and SDAI only). Plenum assemblies shall be of a side inlet configuration with sizes to fit SDS of 1 to 4 slots.

SDS4 SERIES - SUPPLY DIFFUSER

Furnish and install Price SDS4 (50, 75, 100) 24 in.x24 in. [610 mm x 610 mm] supply diffusers of the configuration and mounting types indicated on the plans and diffuser schedule. Each diffuser shall have a ceiling tile (supplied by others) cut and placed in the face of the diffuser. The ceiling tile shall match the surrounding ceiling system.

Diffusers shall have 1, 2, 3 or 4 discharge slots, $\frac{1}{2}$ in. [13 mm], $\frac{3}{4}$ in. [19 mm] or 1 in. [25 mm] wide with curved aerodynamically "ice tong" shaped pattern controllers, allowing for individual slot adjustment. Diffuser frame and slot spacers shall be of solid extruded aluminum construction with B12 White Powder Coat finish. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Pattern controllers shall be fully adjustable, providing complete flow pattern control (1 way, 2 way, 2 way corner, 3 way or 4 way) with a stable horizontal air pattern. All adjustments shall be accessible from the face of the diffuser.

SDR4 SERIES - RETURN DIFFUSER

Furnish and install Price SDR4 (50, 75, 100) 24 in.x24 in. [610 mm x 610 mm] return inlet of the configuration and mounting types as indicated on the plans and diffuser schedule. Each return unit shall have a ceiling tile (supplied by others) cut and placed in the face of the unit. The ceiling tile shall match the surrounding ceiling system.

Return units shall have 1, 2, 3 or 4 slots, $\frac{1}{2}$ in. [13 mm], $\frac{3}{4}$ in. [19 mm] or 1 in. [25 mm] wide and shall match, in appearance, the model SDS4 supply diffusers. Return unit frame and slot spacers shall be of solid extruded aluminum construction with B12 White Powder Coat finish. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714. Units shall be complete with factory mounted sight baffle.