



DVD face (top) and side view (bottom).

Introduction: DVD

Room temperature is controlled by varying the supply air volume in accordance with demand. Volume control is achieved by a control damper in the neck of the unit. This damper consists of a moving disc which varies the aperture through which air passes. This results in the “Variable Geometry” concept, which effectively maintains the constant air movement in the room throughout the range of control, from 100% down to approximately 10% of design CFM.

The DVD architectural VAV diffuser provides the building designer with the desired appearance and superior performance of a uniform 360° radial horizontal discharge air pattern which delivers even air throughout the space. The DVD has a square faceplate made of one-piece folded material, giving the diffuser a clean appearance that blends well with ceiling systems. The faceplate reduces pressure drops, helps create a quiet sound profile, and is held in place with hooks which lock into the back-pan. The one-piece, stamped back-pan provides smooth, consistent corners, exacting dimensions and minimal performance tolerances.

MODEL

DVD - Square Plaque Face, Architectural VAV Diffuser

FEATURES

- One-piece, folded, square plaque face, steel construction.
- Plaque face attached to one-piece, stamped backpan.
- Available with digital thermostat as primary unit.
- Control up to 20 secondary units with one single primary.
- Available with optional transformers.
- Round Inlet Sizes: 6”, 8”, 10”, 12”, and 14”.
- Automatic changeover for both cooling and heating applications.
- Easy installation with plug-and-play cabling requiring minimal field programming.

PANEL SIZES

- 24” x 24”
- 12” x 12”

OPTIONS

- DVD-P - Primary VAV plaque diffuser.
- DVD-S - Secondary VAV plaque diffuser.

ACCESSORIES

- 40 VA - 120V primary voltage transformer.
- 75 VA - 120V/208V/240V primary voltage transformer.
- 100 VA - 120V/240V/277V primary voltage transformer.
- Thermostat wall-mounted backing plate.

FINISHES

- Standard finish is #44 British White.