

Underfloor Air Tile (Variable Volume)

MODEL: AV2 - TA - DCD

DESCRIPTION:

AV2-TA-DCD (Dual Air Valve Tile Assembly Data Center Diffuser) is a variable volume air terminal for use in raised floor air systems. It features 18 gauge (1.2mm) galvanized steel construction, powder-coated black.

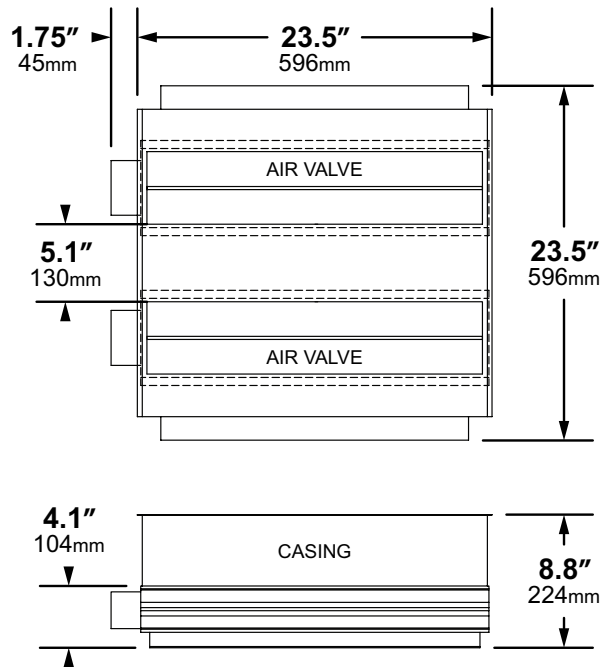
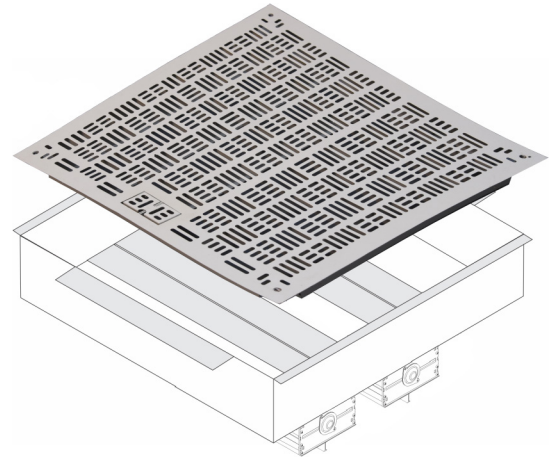
The air valves use time modulation to vary total air supplied to a conditioned space. Air velocity is constant any time the valves are open; the short time duration between open/close cycles produces the effect of continuous air delivered to the occupied space. It is rated for 24V (18-30VAC) operation; one (1) PAP-1 and one (1) PAP-1J Plug & Play Cable are included.

The included perforated diffuser grille is constructed with non-combustible materials and is coated with an anti-dust epoxy. Overall dimensions are nominal 23.6" x 23.6" (600mm x 600mm), with a point load rating of 1250 lbs/sq.in. (per CISCA). The grille includes a built-in self-extracting lift handle.

The AV2-TA-DCD is designed to replace a standard 24" x 24" (610mm x 610mm) raised access floor tile in a data center application.

FEATURES:

- Eliminates need to cut or modify existing raised access floor tiles
- Riveted pre-painted galvanized steel
- DC synchronized magnetic motor
- Multi-function circuit board for varying control strategies



ALL DIMENSIONS NOMINAL +/- 0.1" (2.5mm)

SPECIFICATIONS:

Application:	Underfloor Cooling Raised Access Floors 8" (203mm) + Data Center Installation
Dimensions: LxWxH (Nominal)	23.5" x 23.5" x 8.8" (596mm x 596mm x 224mm)
Supply Press. / Temp.:	0.02–0.1 in. w.c. (5–25 Pa) 40–120°F (4–49°C)
Capacity (Nominal):	500 cfm @ 0.05 in. w.c. (850 m ³ /hr @ 12.5 Pa)
Noise Criterion:	≤ NC-17 (All Flow Conditions)