

Underfloor Air Terminal (Variable Volume)

MODEL: PCD - 08RVAV - C

DESCRIPTION:

PCD-08RVAV-C (Personal Comfort Diffuser) is an adjustable variable volume diffuser for use in raised floor air systems. The underfloor terminal features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

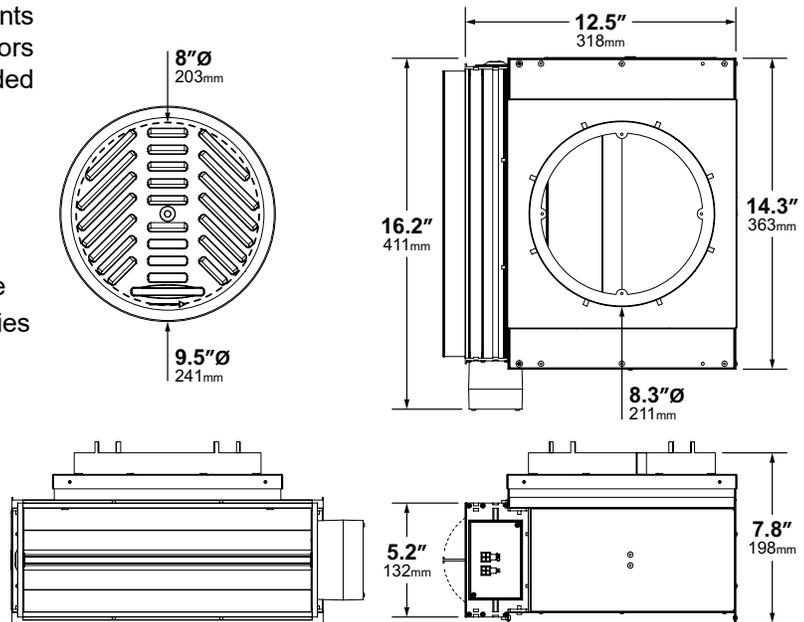
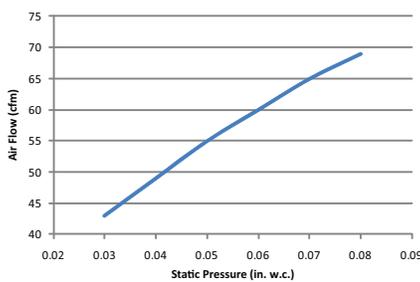
The air valve uses time modulation to vary total air supplied to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between open/close cycles produces the effect of continuous air delivered to the occupied space. It is rated for 24V (18-30VAC) operation;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

The nominal 8" (203mm) diameter cast aluminum grille produces 180 degree uni-directional mixing air flow. A manually adjustable sliding damper allows space occupants to limit maximum air flow. Ten (10) standard grille colors are available; custom colors and finishes can be provided to match architectural design (specify on order).



FEATURES:

- DC synchronized magnetic motor
- Welded and riveted pre-painted galvanized steel
- Manual air flow adjustment with sliding damper plate
- Multi-function circuit board for varying control strategies



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

SPECIFICATIONS:

Application:	Underfloor Cooling Raised Access Floors 8" (203mm) +
Grille Dimensions:	Diffuser Opening: 8"Ø (203mm) Full Face: 9.5"Ø (241mm)
Diameter (Nominal)	Installation Cut-Out: 8.4375"Ø [+1.125/-0.00] (214mm [+3.175/-0.00])
Grille Rating:	Cast Aluminum Conforms to NFPA 90a 1250 lbs. (567 Kg) Load Strength
Supply Press. / Temp.:	0.02–0.1 in. w.c. (5–25 Pa) 40–110°F (4–43°C)
Capacity:	Maximum: 55 cfm @ 0.05 in. w.c. (94 m³/hr @ 12.5 Pa)
(Nominal)	Minimum (Damper Closed): 14 cfm @ 0.05 in. w.c. (24 m³/hr @ 12.5 Pa)
Noise Criterion:	≤ NC-17 (All Flow Conditions)