



Underfloor Air Terminal (Variable Volume)

MODEL:

APCD - 10SVAV - G

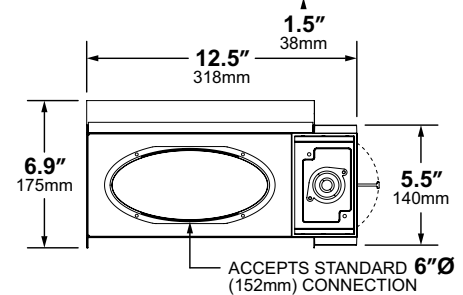
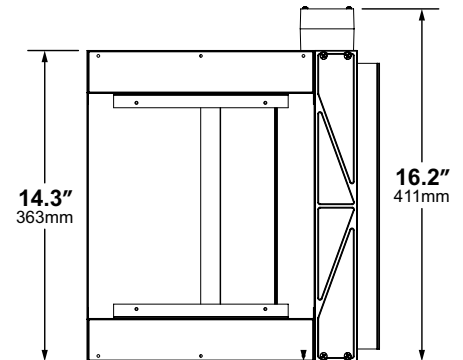
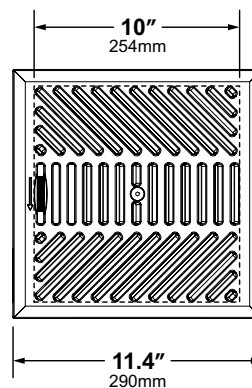
DESCRIPTION:

APCD-10SVAV-G (Personal Comfort Diffuser) is an adjustable variable volume air terminal for use in raised floor air systems. It features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

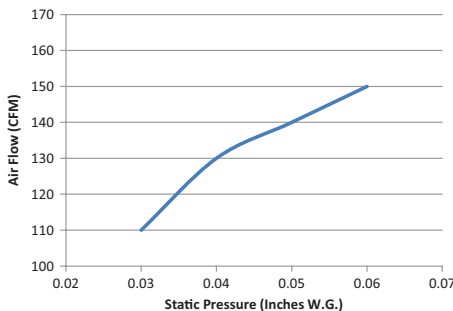
The air valve uses time modulation to vary total air delivered to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between air pulses results in a sensation of continuous air delivered with consistent flow. The air valve is rated for 24V (18-30VAC) operation. One (1) PAP-1 Plug & Play Cable is included.

The ellipsoid collar accepts a standard 6"Ø (152mm) flex duct connection. Heating air flow capacity is derived from the source; output is dependent on ducting arrangement and fan capability.

The nominal 10" x 10" (254mm x 254mm) square cast aluminum grille produces uni-directional air flow. A manually adjustable sliding damper allows space occupants to limit air flow. Ten (10) standard grille colors are available; custom colors and finishes can be provided to match architectural design (specify on order).



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



SPECIFICATIONS:

Application:	Underfloor Heating / Cooling Raised Access Floors 8" (203mm) +
Grille Dimensions:	Diffuser: 10" x 10" (254mm x 254mm) Face: 11.4" x 11.4" (290mm x 290mm)
LxW (Nominal)	Floor Tile Cut-Out: 10.5" x 10.5" [+1.125/-0.00] (267mm [+3.175/-0.00])
Grille Rating:	Cast Aluminum Conforms to NFPA 90a 1350 lbs. (612 Kg) Load Strength
Supply Press. / Temp.:	0.02–0.1 in. H ₂ O (5–25 Pa) 40–110°F (4–43°C)
Capacity:	Maximum: 140 cfm @ 0.05 in. H ₂ O (238 m ³ /hr @ 12.5 Pa)
(Nominal)	Minimum (Damper Closed): 20 cfm @ 0.05 in. H ₂ O (34 m ³ /hr @ 12.5 Pa)
	Air Flow Dependant on Duct Supply Conditions Duct Connection: 6"Ø (152mm)
Noise Criterion:	≤ NC-17 (All Flow Conditions)