

# Underfloor Air Terminal (Constant Volume)

MODEL: **PCD - 08R**

## DESCRIPTION:

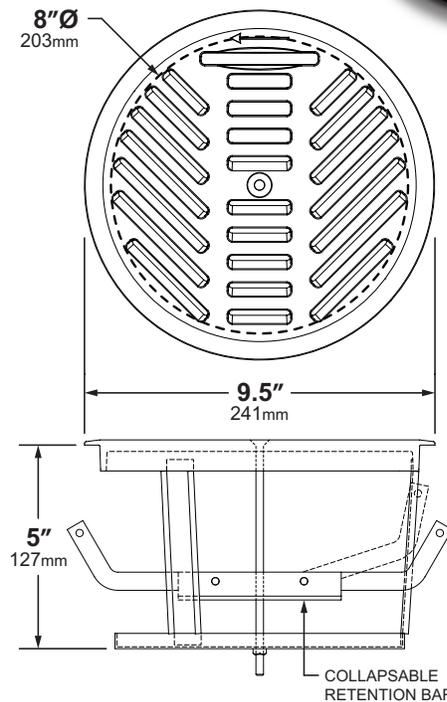
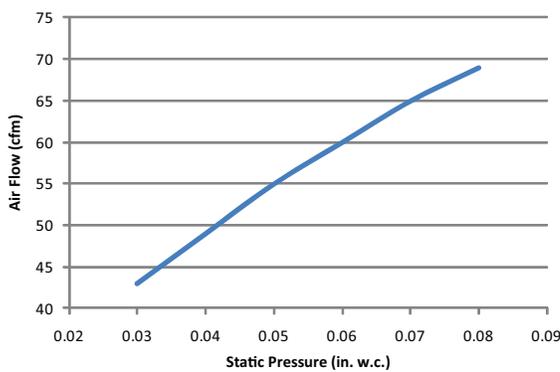
**PCD-08R (Personal Comfort Diffuser)** is an adjustable constant volume air terminal for use in raised floor air systems. It features an 18 gauge (1.3mm) galvanized steel catch pan assembly, with all interior features pre-painted flat black.

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:

- Ships fully assembled; installation in seconds
- Manual air flow adjustment with sliding damper
- Redirect air flow by rotating grille
- Durability (as strong as the floor)
- Non-binding flow adjustment
- No "clear area" required
- Tight shut-off



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

## SPECIFICATIONS:

<b>Application:</b>	Underfloor Cooling   Raised Access Floors 6" (152mm) +
<b>Grille Dimensions:</b>	Diffuser Opening: 8"Ø (203mm)   Full Face: 9.5"Ø (241mm)
<b>Diameter (Nominal)</b>	Installation Cut-Out: 8.3125"Ø [+125/-00] (211mm [+3.175/-00])
<b>Grille Rating:</b>	Cast Aluminum   Conforms to NFPA 90a   1250 lbs. (567 Kg) Load Strength
<b>Supply Press. / Temp.:</b>	0.02–0.1 in. w.c. (5–25 Pa)   40–110°F (4–43°C)
<b>Capacity:</b>	Maximum: 55 cfm @ 0.05 in. w.c. (94 m <sup>3</sup> /hr @ 12.5 Pa)
<b>(Nominal)</b>	Minimum (Damper Closed): 14 cfm @ 0.05 in. w.c. (24 m <sup>3</sup> /hr @ 12.5 Pa)
<b>Noise Criterion:</b>	≤ NC-17 (All Flow Conditions)