

# Underfloor Air Terminal (Constant Volume)

**MODEL: PCD - 10R**

**DESCRIPTION:**

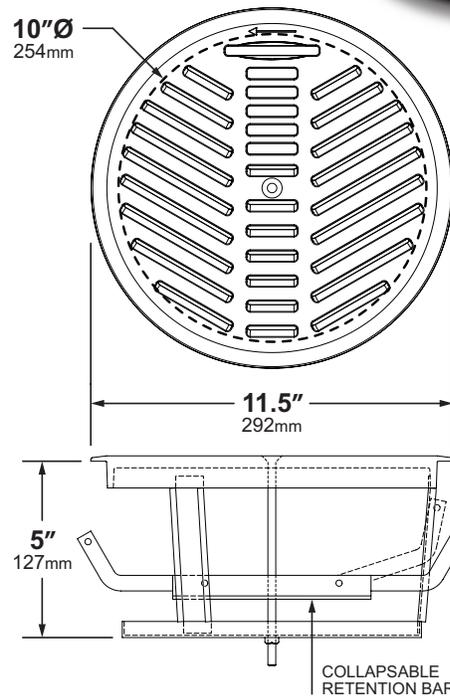
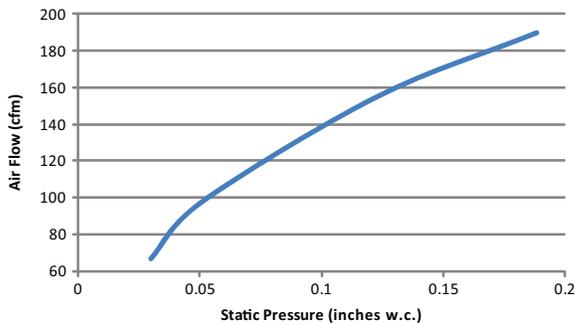
**PCD-10R (Personal Comfort Diffuser)** is an adjustable constant volume air terminal for use in raised floor air systems. It features an 18 gauge (1.3mm) galvanized steel catch pan assembly, with all interior features pre-painted flat black.

The nominal 10" (254mm) 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: 10"Ø (254mm)   Full Face: 11.5"Ø (292mm)
<b>Diameter (Nominal)</b>	Installation Cut-Out: 10.625"Ø [+1.125/-0.00] (270mm [+3.175/-0.00])
<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: 100 cfm @ 0.05 in. w.c. (170 m³/hr @ 12.5 Pa)
<b>(Nominal)</b>	Minimum (Damper Closed): 25 cfm @ 0.05 in. w.c. (43 m³/hr @ 12.5 Pa)
<b>Noise Criterion:</b>	≤ NC-17 (All Flow Conditions)