



SPECIFICATIONS

Agitair® RC®

Agitair® RC® Suggested Specification:

Ceiling diffusers shall be Agitair® RC® by Tuttle & Bailey. The RC (Steel) or ARC (Aluminum) diffusers shall be the size and style to match project plans and schedules. The ceiling diffusers shall be multi-orificed jet induction and air mixing type consisting of louver sections with built in diffusing vanes. The vanes shall be arranged to discharge air from adjacent louvers at an angle of 45° in opposite directions to ensure rapid mixing of primary and room air. Diffusing vanes shall be welded and mechanically fastened to the adjacent louver sections to add rigidity. The vanes shall extend to the discharge edge of the louvers. Where louver sections join the core margin, the louver ends shall be welded to the core margin. The leaving edge of each louver shall be hemmed and the louver ends shall be rounded and hemmed before welding to the core margins. Diffusers shall be square or rectangular as shown on the drawings.

Diffusers shall be assembled in patterns which provide one, two, three or four way air discharge with each side delivering a quantity of air proportional to the area served. Diffuser shall be provided with a removable core permitting easy access to the collar connection. The diffuser shall extend no less than 1" above the core to accommodate an internal duct connection to minimize leakage into the ceiling space.

Finish shall be Tuttle & Bailey White (WH) electrocoat finish. The finish shall be an anodic acrylic paint, baked at 315°F for 30 minutes with a pencil hardness of HB to H.

The manufacturer shall provide published performance data tested in accordance with the ANSI/ASHRAE Standard 70-1991.

Options:

- Matching return diffusers shall be similar in construction to the supply diffuser except that they shall be furnished without diffusing vanes.
- Optional Shock and Vibration construction model RC (Steel) or ARC (Aluminum) shall meet or exceed MIL-S-901C

Model Descriptions:

RC	Steel Diffuser	ARC	Aluminum Diffuser
RCV	Steel One-Piece Core, No Margin	ARCV	Aluminum One-Piece Core, No Margin
RCO	Steel, Replacement Core only	ARCO	Aluminum, Replacement Core Only
RCZ	Steel, Replacement Margin Only	ARCZ	Aluminum, Replacement Margin Only

Ceiling Diffusers

Model	Return	Shock & Vibe	Width	Height	Third Size	Deflection Pattern	Margin	Module	Accessories	Round Neck Size	Finish
	R - Optional matching Return (less air diffusion vanes)			3" to 36" in 1-1/2" or 3" increments	Specify when ordering: 21L 21S 36 37 41 43 44 45		SF - Surface Flat SB - Surface Beveled LT - Lay in T-Bar TG - Tegular NR - Narrow Regress D2 - 2-1/2" Drop Face	None 24x12 24x24 48x24		00 04 08 06 09 10 12 14 16 18 20 22	WH - White ML - Mill AP - Aluminum Paint OW - Off-White FB - Flat Black MP - Match Paint
RC		SV - Optional shock & vibration construction	6" to 48" in 1-1/2" or 3" increments						0 - None A - Square to Round Only B - OBD & Square to Round		
RCV											
RCO											
RCZ											
ARC											
ARCV											
ARCO											
ARCZ											

Example: RC - 0 - 00 - 12 - 12 - 40 - LT - 24x24 - 0 - 00 - WH

Refer to page 4 For Patterns and Descriptions