

# RM & RA SERIES

Round Diffusers, 3 and 4 Cones



DIFFUSERS | ROUND

## ENGINEERING SPECIFICATION & CONFIGURATION

### RM2, 5RM2, RM4, 5RM4

The round ceiling diffuser shall be Krueger model RM2 (steel) or 5RM2 (aluminum). The RM2 and 5RM2 models shall be constructed of 4-cones. The inner 3-cone assembly shall be adjustable to provide 3 different discharge settings from horizontal to vertical and be easily removable using a spring locking mechanism. The removable core shall be supported by a safety cable to provide ease of installation and maintenance for neck sizes 14" and larger. Diffusers shall be constructed of 18 gauge steel (RM2) or 0.051" aluminum (5RM2).

A deep, one-piece outer cone shall be provided for the enhancement to the anti-smudge characteristics of the RM4 (steel) and 5RM4 (aluminum) series.

Optional round damper shall be constructed of heavy gauge steel. Damper shall be operable from the face of the diffuser.

### RA2, RA4

The round ceiling diffuser shall be Krueger model RA2. The RA2 model shall be constructed of 4-cones. The inner 3-cone assembly shall be fully adjustable by rotating the center cone to modify the discharge air setting from horizontal to vertical and be easily removable using a spring locking mechanism. The removable core shall be supported by a safety cable to provide ease of installation and maintenance for neck sizes 14" and larger. Diffusers shall be constructed of 18 gauge steel.

A deep, one-piece outer cone shall be provided for the enhancement to the anti-smudge characteristics of the RA4 series.

Optional round damper shall be constructed of heavy gauge steel. Damper shall be operable from the face of the diffuser.

### PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

### FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60° per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

**SAMPLE CONFIGURATION:** RM2 - 10 - 00 - 0 - 44

### 1. SERIES: (XXXX)

- RM2 - 3-Position Round, Steel Diffuser
- RM4 - 3-Position Round, Anti-smudge Steel Diffuser
- 5RM2 - 3-Position Round, Aluminum Diffuser
- 5RM4 - 3-Position Round, Anti-smudge Aluminum Diffuser
- RA2 - Adjustable Round, Steel Diffuser
- RA4 - Adjustable Round, Anti-smudge Steel Diffuser

### 2. INLET: (XX) \*

- 6" - 20" in 2" Increments, 24", 30", or 36"

### 3. DAMPER: (XX)

- 00 - NONE
- 03 - PR10
- 04 - PRD10
- 06 - PR12
- 08 - PRN100

### 4. ACCESSORIES: (X) \*\*

- 0 - No Accessories
- C - Safety Cable
- R - Round Straightening Grid

### 5. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

\* Largest inlet size available for RM4 & RA4 is 24".

Largest inlet size available for 5RM2 & 5RM4 is 18".

\*\* Safety cable included on all units with 12" or Greater neck size.