

ENGINEERING SPECIFICATION & CONFIGURATION

RM1, 5RM1

The round ceiling diffuser shall be Krueger model RM1 (steel) or 5RM1 (aluminum). The RM1 and 5RM1 models shall be constructed of 3-cones. The inner 2-cone assembly shall be adjustable to provide 2 different horizontal discharge settings 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 (RM1) or 0.051" aluminum (5RM1).

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.

1. SERIES: (XXXX)

RM1 - 2-Position Round, Steel Diffuser
5RM1 - 2-Position Round, Aluminum 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 5RM1 is 18".

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