14SCA/514SCA SERIES

Diffuser | Louvered Face, Adjustable

KRUEGER

ENGINEERING SPECIFICATION & CONFIGURATION

14SCAFR

The drop cone, square face adjustable diffuser shall be Krueger model 14SCAFR (steel). The diffuser must be UL classified fire rated ceiling diffuser assembly listed in Underwriters Laboratories Fire Resistance Directory. The diffuser shall be tested in accordance with UL 263 and must meet NFPA 90 requirements. The diffuser must be able to operate in three-hour fire rated, exposed grid suspended ceiling. The 14SCAFR model shall be constructed of three precision die-stamped cones. The back cone shall have an integrally drawn neck for duct connections. Welded-in inlets and corner joints are not acceptable. The two inner cones shall be constructed as a single, removable inner cone assembly for easy installation and cleaning. The inner cone assembly of the 14SCA-FR shall include adjustable vanes to change the airflow discharge from fully horizontal to fully vertical. The inner cone assembly must have a hole with removable plug in the center to allow quick adjustment of an optional inlet damper without removing the inner cone assembly. Diffusers shall be constructed of 22-gauge steel. The thermal protection blanket shall not contain asbestos.

Optional volume adjustment damper shall be constructed of heavy gauge steel. Damper must be operable from the face of the diffuser. Optional sectorizing baffles shall be available to restrict the discharge air in certain directions.

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˚ 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: (XXXXXXX)**
   14SCAFR - Steel, 3-Cone, Fire Rated, Adjustable Diffuser

2. **ROUND NECK: (XX)**
   6”, 7”, 8”, 10”, 12”, 14”, or 15”

3. **FRAME: (XXX)**
   LTF - Lay-in T-Bar

4. **PANEL: (XX)x(XX)**
   12x12 - 12”x12”
   24x24 - 24”x24”

5. **EXTENDED NECK: (XX)**
   00 - None
   EN - Extended Neck

6. **VOLUME ADJUSTMENT: (XX)**
   00 - None
   VA - Volume Control

7. **FUSIBLE LINK: (XX)**
   00 - 212°F Fusible Link (Standard)
   FL - 165°F Fusible Link

8. **FINISH: (XXX)**
   WHT - White
   ALP - Aluminum Paint
   CMP - Alkyd Enamel Paint to Match
   CMX - Hard Coat Urethane to Match
   OWH - Off-White Paint
   BLK - Black Paint

See dimensional data for available panel and neck configurations.

SAMPLE CONFIGURATION: 14SCAFR - 6” - LTF - 24X24 - 00 - 00 - 00 - WHT

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