

14SCA/514SCA SERIES

Diffuser | Louvered Face, Adjustable



DIFFUSERS | LOUVERED FACE

ENGINEERING SPECIFICATION & CONFIGURATION

14SCA, 514SCA

The drop cone, square face diffuser shall be Krueger model 14SCA (steel, adjustable) or 514SCA (aluminum, adjustable). The 14SCA and 514SCA models shall be constructed of three precision die-stamped cones. The back cone shall have an integrally drawn neck for duct connections on 24"x24" and 24"x48" panel sized units. Fabricated collars are only acceptable on 12"x12" panel sized units. The inner cone assembly shall be welded to the back cone and have a hole with removable plug for easy optional damper adjustment. The inner cone assembly shall also include adjustable vanes to change the airflow from fully horizontal to fully vertical. Diffusers shall be constructed of 22 gage steel (14SCA) or 0.040" aluminum (514SCA).

Optional round damper shall be constructed of heavy gage 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° 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: (XXXXXX)

14SCA - Steel, 3-Cone, Adjustable Diffuser
514SCA - Aluminum, 3-Cone, Adjustable Diffuser*

2. PATTERN: (XXX)

1WY - 1-Way (3 Baffles)
2WY - 2-Way (2 Baffles)
3WY - 3-Way (1 Baffle)
4WY - 4-Way (No Baffles)

3. ROUND NECK: (XX)****

4", 5", 6", 7", 8", 10", 12", 14", or 15"

4. FRAME: (XXX)

LTF - Lay-in T-Bar
L12 - 12"x12" Face, Lay-in T-Bar
SFM - Surface Mount
SNI - Snap-in
SPL - Spline

5. PANEL: (XX)x(XX)

None - No Panel
12x12 - 12"x12"
20x20 - 20"x20"
24x24 - 24"x24"
3Mx3M - Metric 300x300
6Mx6M - Metric 600x600

6. DAMPER: (XXX)

000 - None
RRN - Radial Neck Mounted
RRD - Radial Duct Mounted
RON - Opposed Blade Neck Mounted
ROD - Opposed Blade Duct Mounted
RBN - Butterfly Neck Mounted
COM - Combo (Damper with Equalizing Grid)

7. INSULATION: (XX)

00 - None
R6 - Molded R6 Insulation***

8. EARTHQUAKE TABS: (XX)

00 - None
EQ - Earthquake tabs

9. EQUALIZING GRID: (XX)

00 - None
EG - Equalizing Grid

10. INSTALL FRAME: (XXX)

000 - None
AFR - Rapid Mount Frame (Aluminum)
SFR - Rapid Mount Frame (Steel)
30F - 30"x30" Adapter Frame**

11. 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, frame, and neck configurations.

* 514SC only available in frames SFM, LTF, and NTG.

514SC not available in panel size 3Mx3M.

** Adapter frame provided for neck sizes 4" and 5".

*** R6 insulation only available with frame LTF or SFM.

R6 insulation only available with panel size 24"x24".

R6 insulation only available with neck sizes 6", 8", 10", 14", and 15".

**** 7" inlet available in panel size 12x12 only.

SAMPLE CONFIGURATION: 514SCA - 4WY - 06 - LTF - 24x24 - 000 - 00 - 00 - EG - 000 - WHT