SOUND ATTENUATOR
ELBOW SQUARE-RECTANGLE
ELCSA

APPLICATION
ELCSA, elbow dissipative SOUND ATTENUATOR (SILENCER), is designed to provide solution to all HVAC discharge noise with high dynamic insertion loss.

FEATURED STANDARD CONSTRUCTION

• Frame:
  - Constructed from 20 gauge galvanized frame, formed with lock seams with mastic sealant.
  - The top and bottom of the casing covered with fiber clean liner 1”(25mm) thick protected by 22 gauge perforated metal sheet.

• Splitters:
  - Constructed from 22 gauge galvanized frame.
  - 8”(200mm) wide radiused at both ends to minimize air pressure loss and regenerated noise.
  - Filled with acoustic fibers complying with various standards requirements.
  - The infill is compressed and contained behind a 22 gauge, 4mm hole diameter perforated metal sheet. This protection prevents damage and fiber erosion up to 5900fpm (30m/s).
  - Clean liner glass fiber as last layer.

• Air Width:
  - Varies between 3”(75mm), 4”(100mm), 6”(150mm) & 8”(200mm) depending on required insertion loss and pressure drops.

• Sizes:
  - Minimum size of 14”(275mm)W x 8”(200mm)H.

OPTIONS

• 18Ga or 16Ga casing & splitters frame.
• Aluminum Construction
• Stainless Steel Construction
• Standard galvanized Duct-mate flange 1-3/8” (35mm) with finished corners for Galvanized Construction.
• Standard Stainless Steel normal duct flange 1-3/8” (35mm) with finished corners for Stainless Construction.

ACOUSTICAL PERFORMANCE TESTING
WAS PERFORMED BY:
ETL-INTERTEK-USA
ACCORDANCE TO ASTM E-477
ILLUSTRATIONS

H<L

W<L

Fiber Glass
Density 64Kg/m³

Perforated Sheet
Clean Liner as last layer.

22Ga galvanized
frame with Radiussed Shape

Clean Liner as last layer.

Perforated Sheet

Air Width

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