



SOUND ATTENUATOR

ROUND

RCSA



APPLICATION

RCSA, round dissipative SOUND ATTENUATOR (SILENCER), is designed to provide solution to all HVAC discharge noise for round duct.

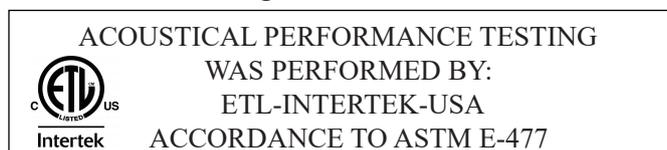
FEATURED STANDARD CONSTRUCTION

- FRAME:
 - Constructed from 20 gauge galvanized frame, formed with lock seams with mastic sealant.
- POD:
 - Constructed from 22 gauge galvanized frame.
 - 8”(200mm) wide radiussed at one end to minimize air pressure loss and regenerated noise.
- INFILL:
 - 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 at high-air velocity.
 - Clean liner glass fiber as last layer.
- SIZES:
 - Minimum Diameter Size:
D = 6”(150mm) without Pod
D = 14”(350mm) with Pod
 - Maximum Diameter Size:
D = 60”(1500mm) Diam
(larger size can be manufactured on special order)
 - Minimum Length Size:
L = 24” (600mm)
 - Round silencers with diameter less than 26” are manufactured using the minimum length size L=24”
 - Round silencers with diameter greater or equal to 26” can be manufactured either L = 1D or L = 2D.
 - Round silencers with 26” diameter and above in length L = 2D are manufactured as multiple section and field assembled (by others).

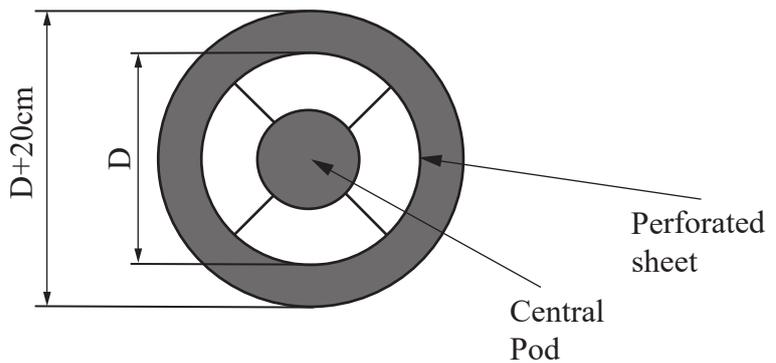
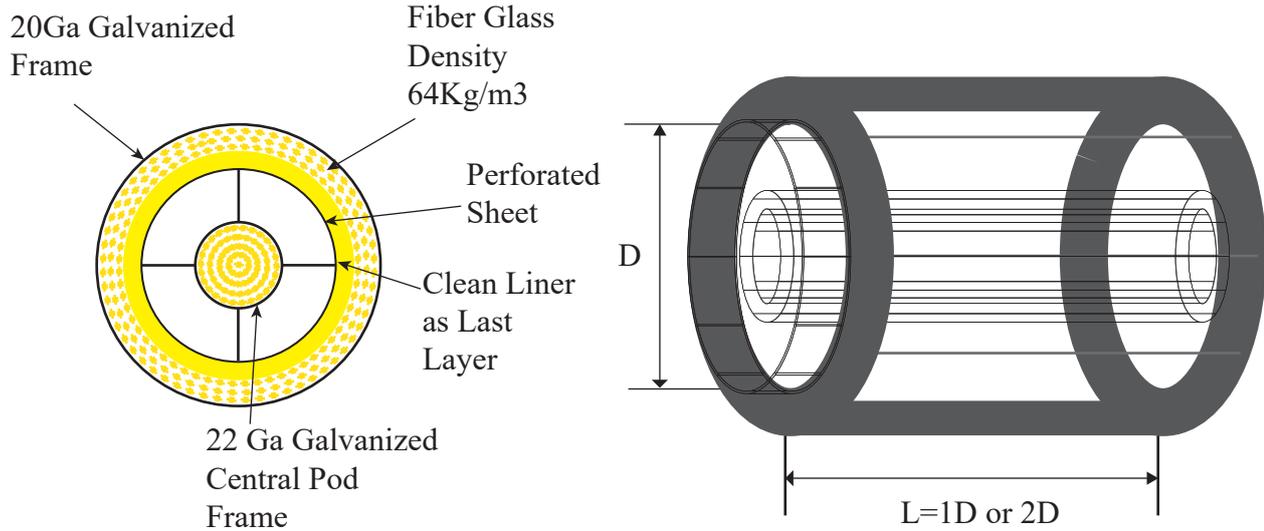
N.B: - Length of the sound attenuator is: L = 1D or 2D

OPTIONS

- 18Ga or 16Ga casing & splitters frame.
- Aluminum Construction
- Standard flange 2” galvanized (50mm), 3mm thickness.
- Pod can be removed for diameter greater than 14”



ILLUSTRATIONS



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

