

SILENCER SHEETS

DESCRIPTION

Vibro-Acoustics' SRD silencers are available in any length from 6" to 36" and use acoustic grade glass fiber as the principle sound-absorbing mechanism. Acoustical splitters, sometimes called baffles, are used for broad-band attenuation. Perforated metal protects the glass fiber from erosion by the airflow.

The splitters vary in quantity and thickness, and air passages also vary in width. They are aerodynamically shaped to minimize pressure drop.

APPLICATION

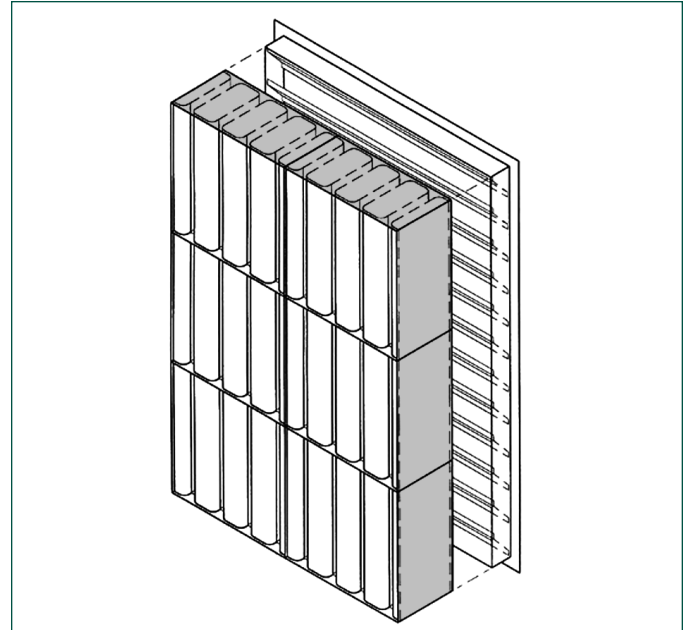
- ◆ where there is not enough duct length to fit in standard length straight silencers (see SAS 9)
- ◆ behind architectural louvers
- ◆ in fan plenums and air handling units

FEATURES AND BENEFITS

- ◆ available in any cross-sectional dimensions to "fit-the-duct" or "fit-the-opening"
- ◆ modular unit sizes to fit ducts and air handling units without using transitions or large blank-off sections
- ◆ any length available from 6" to 36"
- ◆ can be used in conjunction with architectural louvers to improve performance over that of an acoustical louver. Also, the architectural requirements of the building skin are better met.
- ◆ can be selected to suit the acoustic, space, or energy-cost requirements
- ◆ construction quality and aerodynamic design optimized to give reliable performance, best acoustics, lowest pressure drop and lowest overall cost.
- ◆ splitters can be aligned vertically or horizontally to minimize extra pressure losses due to inlet or discharge flow conditions

CAUTIONS / WHEN NOT TO USE SRD SILENCERS

- ◆ when more attenuation is required see Fan Silencers (SS10 and SS11)
- ◆ when no extra space is available behind architectural louvers see Acoustical Louvers (SS14)



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TESTING

Vibro-Acoustics' 4th generation aero-acoustic laboratory was the first laboratory to be NVLAP accredited for the ASTM E-477 silencer test code. NVLAP is administered by the U.S. Dept. of Commerce. See the Corporate/ Laboratory Section.

SILENCER SELECTION AND LOCATION

Vibro-Acoustics' SRD Silencers need to be carefully selected to optimize performance. Call 1-800-565-8401 for custom selections by our application engineers.

STANDARD CONSTRUCTION FEATURES

- ◆ galvanized, lockformed casing constructed to SMACNA standards
- ◆ 1" slip connection at each end
- ◆ aerodynamically shaped, galvanized nose at inlet
- ◆ galvanized gap plates between splitters to ensure close dimensional tolerances at air passages
- ◆ perforated galvanized splitters
- ◆ splitters filled with acoustic grade glass fiber under minimum 15% compression

SPECIAL CONSTRUCTION OPTIONS

- ◆ special materials e.g. stainless steel, aluminum
- ◆ access doors
- ◆ media protection: glass fiber cloth, film liner
- ◆ removable splitters
- ◆ for details of above and more special options see Special Construction Options (pg. 3.33 to pg. 3.37).

TO SPECIFY

See example specification located in the Selection/ Specification section.