

Sounpak[®] Silencers

Round and Rectangular Duct Silencers for HVAC and Industrial Applications

a McGill AirSilence[™] product

United McGill[®] products



Sounpak Silencers

These custom, heavy-duty duct silencers are designed to withstand high temperatures while reducing noise at the discharge of a gas turbine.

McGill AirSilence's Sounpak silencers provide effective and predictable noise control for HVAC and industrial applications. Standard Sounpak silencers have been tested in a NVLAP[®] certified acoustical laboratory. All performance data was obtained in accordance with the latest ASTM E-477 standards. This data allows for accurate and reliable selection of the Sounpak silencer for the specified noise reduction requirements.

Each standard Sounpak silencer model has been configured with certain design features and options to meet specific performance needs. Those features include the silencer's shape, geometry, fill materials, frequency loss, and velocity classification.

Depending on the model, standard Sounpak silencers are manufactured in straight or elbow configurations and in round or rectangular shapes. They come with or without internal bullets or baffles and with or without acoustical fill or a vapor barrier and fill. There are models to handle airflow velocities from 0 to 10,000 fpm.

Materials of construction for all standard Sounpak silencers include 22-gauge, galvanized steel outer casings, 24-gauge, perforated galvanized steel inner baffles, and an acoustical fill that has been tested in accordance with UL 723 procedures and meets NFPA 90A requirements. Other metals, acoustical fills, heavy-duty shell and components, and matching connections are available.

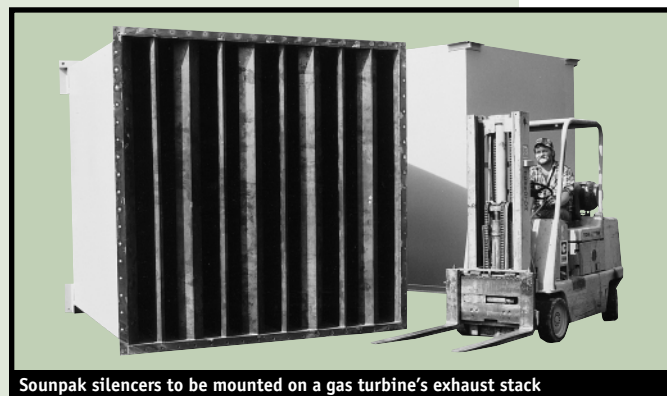
Detailed specification and acoustical performance data sheets for all standard Sounpak silencers are available. Please contact McGill AirSilence for a recommendation.

Special Applications

McGill AirSilence also designs and manufactures Sounpak silencers for specialized applications where rigid design and noise reduction criteria, unique space limitations, adverse environments, or other special conditions preclude the use of standard models. Please contact McGill AirSilence for assistance.



Sounpak silencers reduce fan noise in an HVAC plenum



Sounpak silencers to be mounted on a gas turbine's exhaust stack

Available Sounpak Silencer Models

Rectangular Silencers

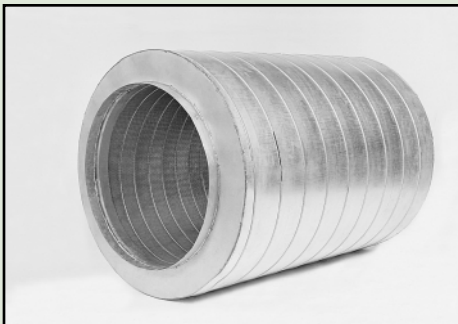


Sounpak rectangular HVAC silencers

Rectangular, straight silencers are available in 3-, 5-, 7-, and 10-foot lengths. Both passive (acoustic filled) and reactive silencers are offered. Passive silencers may be ordered with a vapor barrier film between the fill material and the baffle wall. These silencers are good for plenum velocity to medium velocity applications. Rectangular silencers are available in galvanized steel, paintable steel, 304 and 316 stainless steels, and aluminum.

Type RSF	rectangular, straight, passive silencer with acoustical fill
Type RSV	rectangular, straight, passive silencer with acoustical fill and a vapor barrier
Type RSN	rectangular, straight, reactive silencer, no acoustical fill required
Type REF	rectangular, passive elbow silencer with acoustical fill
Type REV	rectangular, passive elbow silencer with acoustical fill and a vapor barrier
Type REN	rectangular, reactive elbow silencer, no acoustical fill required

Round Silencers



Sounpak round No-Loss™ HVAC duct silencer

Circular (round) silencers are available in standard inner diameters of 12 to 60 inches. The length varies as a condition of pressure and insertion loss requirements. Applications include low- to high-velocity systems. Passive silencers may be ordered with a vapor barrier between the fill and the baffle wall. Circular silencers are available in galvanized steel, paintable steel, 304 and 316 stainless steels, and aluminum.

Type CSF	circular, straight, passive silencer with acoustical fill
Type CSV	circular, straight, passive silencer with acoustical fill and a vapor barrier
Type CSN	circular, straight, reactive silencer, no acoustical fill required
Type CEF	circular, passive elbow silencer with acoustical fill
Type CEV	circular, passive elbow silencer with acoustical fill and a vapor barrier
Type CEN	circular, reactive elbow silencer, no acoustical fill required

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

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McGill AirSilence LLC

An enterprise of United McGill Corporation — Founded in 1951

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