



CYLINDRICAL SOUND ATTENUATOR

Data Sheet

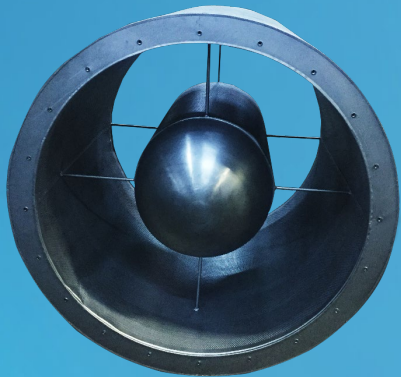
Product Data Sheet

Product Overview

The ICEMAC Cylindrical Sound Attenuator is meticulously designed to deliver superior noise attenuation while maintaining excellent airflow performance. Engineered for integration with modern HVAC systems, it effectively reduces unwanted noise, creating quieter and more comfortable environments in commercial, residential, and industrial spaces.

Available in three distinct configurations, the attenuator accommodates diverse application needs, from inline duct systems to fan-mounted installations. Its durable construction and advanced acoustic materials ensure long-lasting performance, making it an essential component for noise-sensitive environments.

Whether employed in air conditioning or ventilation systems, the ICEMAC Cylindrical Sound Attenuator guarantees efficient noise control, energy savings, and seamless compatibility with modern building designs.



Materials and Construction

Material:

The ICEMAC Cylindrical Sound Attenuator is crafted with high-quality materials for robust performance and longevity:

- **Outer Casing:** Galvanized steel for excellent corrosion resistance and mechanical strength.
- **Inner Surface:** Perforated sheet metal (Ø5 mm) to enhance noise absorption while maintaining smooth airflow.
- **Insulation:** High-density rock wool (50 kg/m³), certified to DIN 4102 (A2 Class) for fire safety and effective soundproofing.

Variants:

The ICEMAC Cylindrical Sound Attenuator is available in three distinct configurations:

- **IC-CS-A:** Duct Type Cylindrical Sound Attenuator, ideal for inline duct applications.
- **IC-CS-B:** Fan Type Cylindrical Sound Attenuator, designed for seamless fan integration.
- **IC-CS-C:** Cylindrical Sound Attenuator with Pod, offering enhanced acoustic performance for noise-sensitive environments.

Surface Finishing

The ICEMAC Cylindrical Sound Attenuator features high-quality surface finishing options to enhance durability and aesthetic appeal:

- **Standard Coating:** The product is coated with electrostatic powder for a smooth and corrosion-resistant finish.
 - **Default Colors:** RAL 9010 (Pure White) and RAL 9016 (Traffic White).
- **Custom Coating:** Available in any RAL color upon request, ensuring seamless integration with specific design or project requirements.

Assembly Options

The ICEMAC Cylindrical Sound Attenuator is designed for straightforward and secure installation, ensuring seamless integration into HVAC systems:

- **Screw Mounting:** Enables stable attachment to duct systems, ensuring reliable performance.
- **Bolt Assembly:** Facilitates direct connection to fan units or other HVAC components for enhanced structural support.

Applications

The ICEMAC Cylindrical Sound Attenuator is engineered to deliver reliable noise attenuation in HVAC systems, ensuring quieter and more comfortable environments. Its robust design and high acoustic efficiency make it suitable for diverse applications, including:

- **HVAC Systems:** Effectively reduces noise generated by air conditioning and ventilation systems, improving acoustic comfort in residential, commercial, and industrial spaces.
- **Fan Installations:** Designed for integration with fan units, it minimizes sound propagation from air intake and discharge points without disrupting airflow.
- **Ventilation Ducts:** Ensures noise reduction in ducted air systems, maintaining compliance with noise control standards in sensitive environments such as offices, hospitals, and schools.
- **Industrial Facilities:** Ideal for controlling noise in high-demand settings, such as factories or warehouses, where maintaining a quieter operational environment is critical.

Cylindrical Sound Attenuator



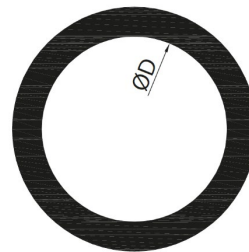
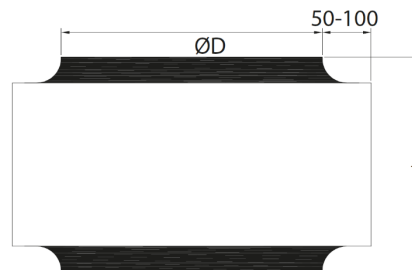
ICEMAC Cylindrical Sound Attenuator Dimensions

The ICEMAC Cylindrical Sound Attenuator is available in a variety of sizes to suit diverse installation and performance requirements:

- **Diameter (ØD):** 200 mm to 1250 mm.
- **Length (L):** 400 mm to 1200 mm.
- **Insulation Thickness:** Available in 50 mm or 100 mm options for enhanced noise attenuation.

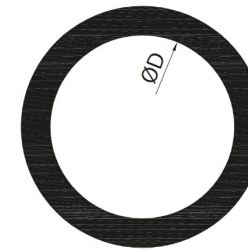
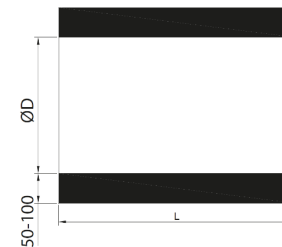
IC-CS-A

Duct Type Cylindrical Sound Attenuator, ideal for inline duct applications.



IC-CS-B

Fan Type Cylindrical Sound Attenuator, designed for seamless fan integration.



IC-CS-C

Cylindrical Sound Attenuator with Pod, offering enhanced acoustic performance for noise-sensitive environments.

