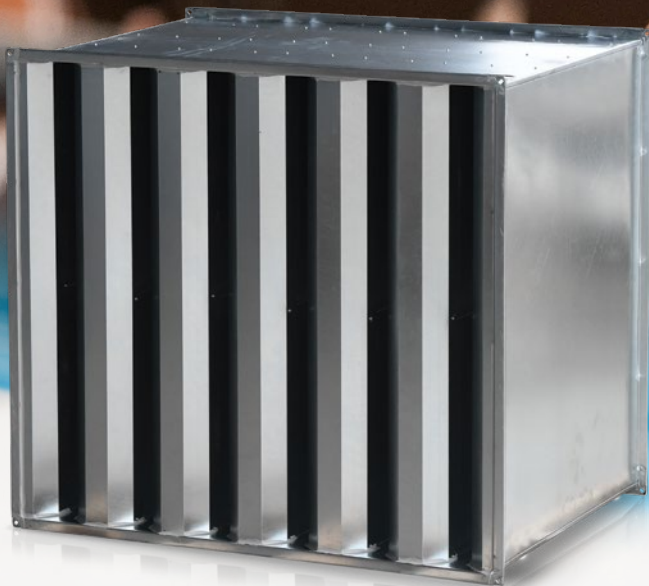


N2T & N3T attenuators. Proven in the **toughest** environments.



Fantech Rectangular Attenuators with 200mm and 300mm thick tapered splitters are available in different models to suit a variety of applications and duct dimensions.

The new range of N2T & N3T rectangular attenuators achieve superior duct-borne noise reductions in commercial HVAC applications. The unique acoustic infill system provides greater insertion losses across the most critical frequencies, and when combined with the new splitter thickness options, lower pressure drops and more economical selections are the result.



FANTECH
Intelligent Ventilation

Greater Acoustic Performance

Low noise levels have always been a critical factor of building design and increasingly becoming more important due to environmental awareness and the effects of noise on health, safety and comfort.

N2T and N3T rectangular attenuators have been designed to optimise insertion loss performance at hard to attenuate low frequencies, resulting in greater noise control of the environment. Whether its noise control of the HVAC system, controlling transmission of sound to rooms, offices, and other structures from high noise areas, provides maximum privacy where it's needed.

Since these tapered attenuators help to reduce pressure drop, it can often result in smaller and lighter attenuators able to be selected.



Built for Application

The N2T and N3T rectangular attenuator range is suited to general HVAC applications such as Plant Rooms, Car Park Supply and Return Ducts, Ventilation Shafts and Air Handling Unit ducting where pressures are in the range of -500Pa and +1000Pa.

As HVAC applications can have vast insertion loss and dimensional requirements, this range has been designed as a modular system that maintains a low pressure drop and maximises attenuation.

Fantech attenuator cases and splitter frames are made from durable Z275 coated galvanised sheet metal as standard. They also can be requested in different materials such as long lasting stainless steel, or have protective coatings such as Epoxy Paint or Chlorinated Rubber.

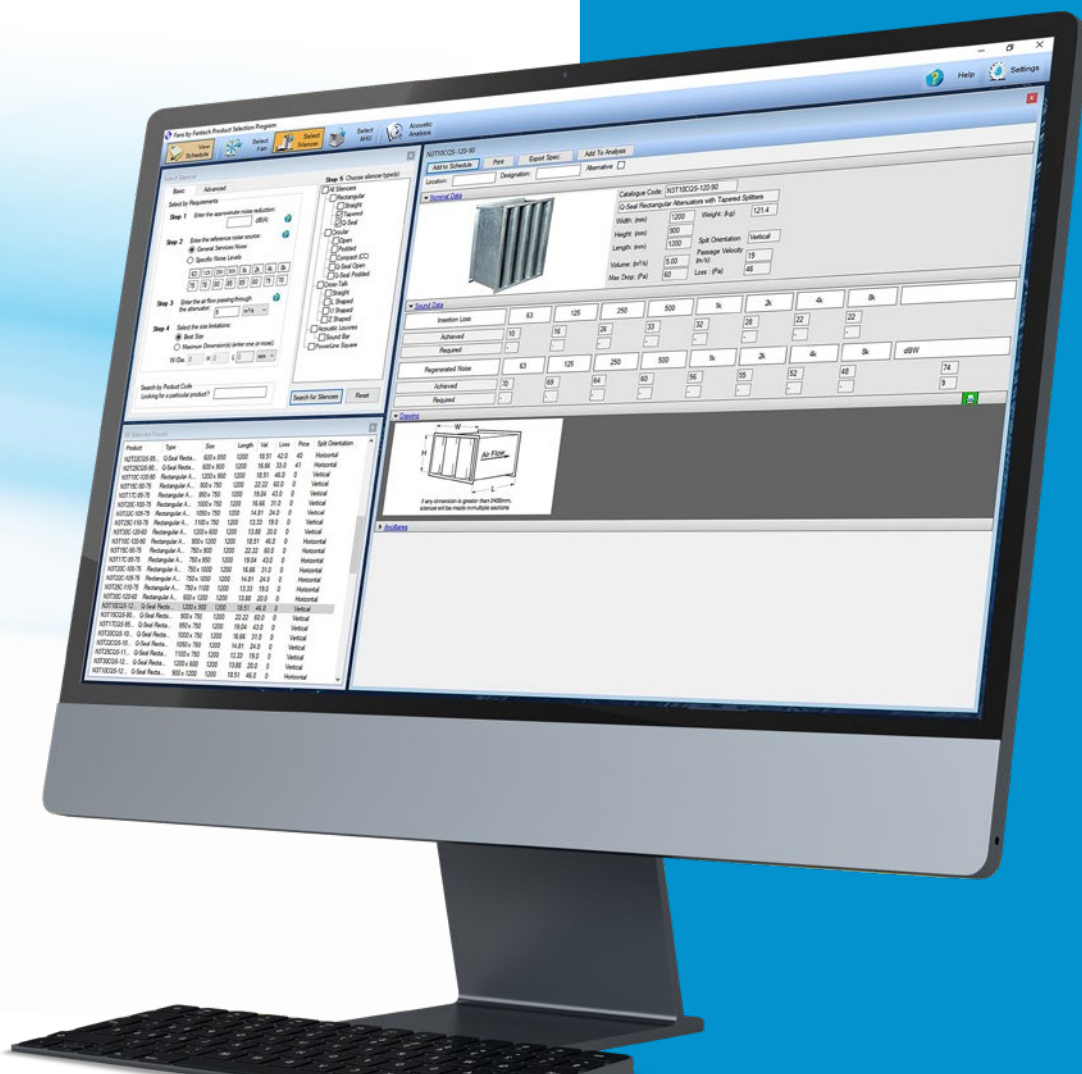
N2T and N3T attenuators are suitable for dry applications. For applications where water may be present in the air stream or where insulation must be encapsulated, the range is also available in a Q-Seal option that is well suited to handle grease or moisture laden air.

Attenuator Selections Made Easy

As HVAC applications can have vast insertion loss and dimensional requirements, the range of N2T and N3T rectangular attenuators has been designed as a modular system.

Using the Fans by Fantech Selection Program, designers can simply enter their air flow, pressure and insertion loss requirements followed by any dimensional restrictions and the program will automatically provide the best selection of complying attenuators for review.

Rectangular attenuators will typically be produced in a single piece up to a maximum of 2400mm in width, length, or height. They are split into multiple sections when above this size and can be sectioned where applications have limited access.

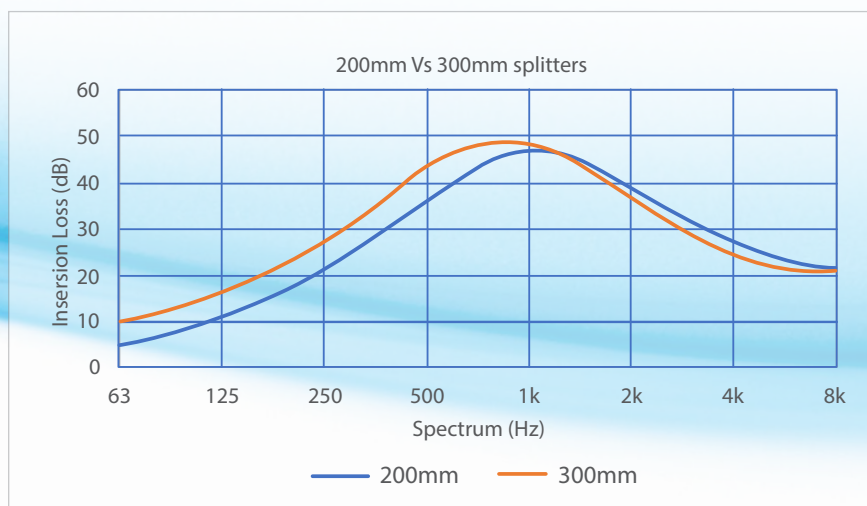




Performance and Testing

N2T and N3T acoustic attenuator insertion loss data is derived from tests to ISO7235:2003 Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss. For the complete range of data refer to the Fans by Fantech Selection Program or contact your local Fantech office.

As a rule, N2T with 200mm splitters will provide better attenuation in the middle and high frequencies, where the N3T with 300mm splitters will provide better low frequency attenuation. To demonstrate this the following insertion loss graph is a comparison between a N2T and N3T attenuator with the same airway, length, and number of splitters. The N3T will provide additional insertion loss performance at the critical lower frequencies. This means a dimensionally smaller N3T attenuator can be selected where low frequencies are the focus of the selection.



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Specifications and design subject to change without notice.