

FACILE

Installation - Maintenance

2025-05-05

General

Check the mechanical functions of the product before and after you install it. A damaged or faulty product should not be installed. Report faults immediately to your nearest Swegon representative.

Commissioning

The sound attenuator does not need to be commissioned.

For particulars of how to check the pressure drop across the sound attenuator, refer to the product datasheet of the sound attenuator on the Internet.

Inspection

The product rating label is affixed to opposite sides of the sound attenuator.

Dimensions and Weights

The dimensions can be read on the product rating label which are specified as width x height x length.

The sound attenuator weighs approx. 130 kg/m³ in the galvanized sheet metal version and approx. 150 kg/m³ in the black sheet metal version. (N.B.! This is a rough estimate. For exact weights, contact your nearest Swegon sales representative.)

Installation

Correct installation is a prerequisite for the sound attenuator to operate in an optimum way. Otherwise its technical performance, such as pressure drop, integral attenuation and natural sound generation, may be substantially impaired.

"Correct installation" implies that the sound attenuator should be installed in a run of straight ducting having a length equivalent to 4 x D (D is the largest side of the sound attenuator) upstream and downstream of the sound attenuator.

If the sound attenuator is placed near duct bends or other aerodynamically inappropriate duct components, its pressure drop and natural sound generation will probably be greater than the values of these specified in the catalogue. The connection of a plenum to the inlet or outlet of the sound attenuator also substantially increases the pressure drop.

When suspending the sound attenuator, angle brackets must be fitted to support its entire width; accordingly the sound attenuator must not be mounted solely suspended from its points of connection.

The space required to remove the baffles

Hatch in H-side, at least 500mm in front of the hatch.

Hatch in B-side, at least the attenuators H-measure above the hatch.

Swegon reserves the right to alter specifications.

The hatch is always 700mm long, with centric location on the attenuator length 750 and 1950, but displaced to one end on length 1350mm.

Maintenance

The sound-attenuating material, ISOVER Cleantec® PLUS, is a type-approved insulation material consisting of long-fibred compressed mineral wool, protected by special perforated aluminium foil. ISOVER Cleantec® PLUS is type-approved with regard to cleaning, fibre entrainment, resistance to ageing and emissions, etc., to type-approval number 2706/92.

For the type approval to be valid, dry methods for cleaning the insulation material must be employed, such as the use of a rotating nylon brush (it is NOT permissible to use a steel brush), vacuum cleaning or wiping off surfaces with a dry cloth.

The slab can also be cleaned using a wet method. Manual washing with a sponge, cloth or high pressure cleaning machine.

NOTE! When washing with a high-pressure cleaning machine, the baffle must first be removed from the silencer. It is also important that the baffle is completely dry before it is reinserted into the silencer.

If washing with water, the water must not be warmer than 40°C. If washing with a high pressure cleaning machine, the nozzle must be held at an angle of at least 30°, at a distance from the ISOVER Cleantec® PLUS slab of 300-500 mm and operate at a max. permissible pressure of 80 bar.

The sheet metal surfaces can be cleaned with water and detergent.

Tears and holes in the ISOVER Cleantec® PLUS can be repaired with aluminium tape.



FACILE with the sound baffle withdrawn.

The FACILE's withdrawable sound baffles substantially facilitate cleaning.