

NonSonus FLV-65 Wall vent

Silent fresh air – Everywhere

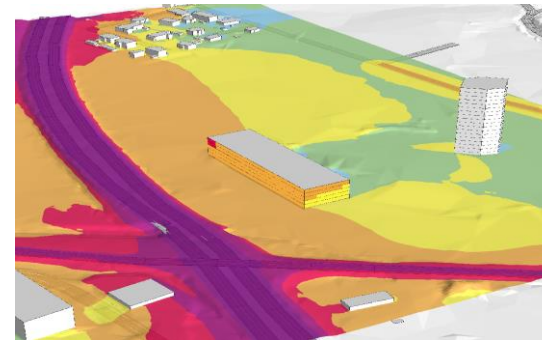
- ***Outstanding acoustic performance even in thin walls***
- ***Fully adjustable air flow***
- ***Insect net and dust filter***



Product data sheet

Area of use

- Facades towards roads
- Facades towards railroads
- Facades towards industries
- Facades towards airports
- Facades towards sport arenas
- Facades towards concert halls etc
- Inner walls between rooms





Performance

Measured air sound insulation according to EN 10140-2 and air flow according to EN 13141-1. Measurements performed in accredited lab, RISE AB.
Reference area 10m² Sabine equivalent absorption area, fully open vent, air flow at 10 Pa pressure difference over wall. Patent No: 26026PCT

Vent configuration wall thickness	Dn,e,w	Dw+C	Dw+Ctr	Air flow	K factor
200 mm	57 dB	55 dB	54 dB	7 l/sec	2,2
400 mm	65 dB	63 dB	58 dB	7,4 l/sec	2,3

General

Buildings can be exposed to very high noise levels, for example from railway, metro, traffic routes and airports.

To minimize noise pollution in such environments, buildings are soundproofed with sound-insulated windows, extra facade cladding etc. Measures that in most cases provide a much quieter indoor environment. These measures however create problems with fresh air supply because good sound insulation also gives an air tight building. The solution is to provide the buildings with sound-dampening fresh air vents. Until now fresh air vents with satisfactory sound reduction has not been available. *HIAK NonSonus FLV 65 Wall Vent* is a high-tech wall-mounted fresh air vent with uniquely good sound- dampening, where advanced acoustic solutions have been packaged into a product that can be placed in extremely noisy environments while maintaining a silent indoor environment. The vent, which is a combined reactive and resistive silencer, is patent pending and has been developed on behalf of the Swedish Transport Administration to meet the need for quiet air supply in buildings with high noise exposure.

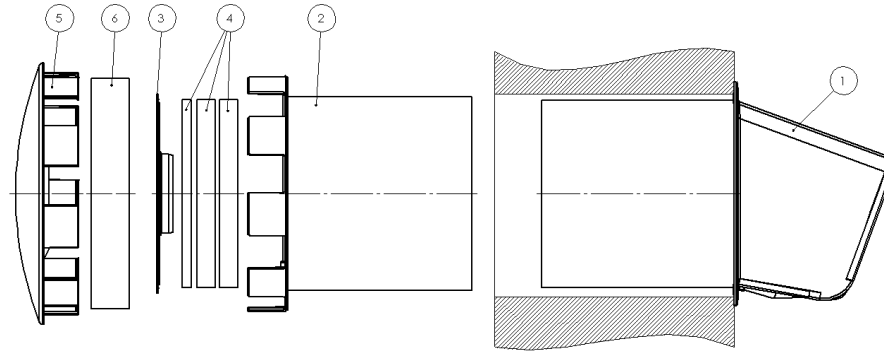
The vent is suitable for buildings with self-extracting ventilation or solely with mechanical exhaust ventilation. Use in wet areas is not to be recommended.

Components

The vent consists of a silencer unit (1) supplied with integrated weather protection and mounting plate towards the exterior facade. In the bottom of the silencer there is a drainage opening which opens into the lower part of the mounting plate. The weather protection is provided with a stainless insect net.

On the outside of the silencer unit, a telescopic tube with internal vent plate (2) is mounted, which is easily adjusted for all wall thicknesses between 200 and 390 mm. This telescopic tube is filled with sound absorbers (4) to custom length to provide additional sound attenuation. The sound absorbers are held in position using the telescopic tube wall (3) which snaps into the vent plate. Sound absorbers are available in 10, 20 and 50 mm thickness.

Inner vent part consists of vent cover (5) with integrated sound absorber plate and filter ring (6).



Placement

The vent is placed high up on the wall. Distance to the nearest corner should be at least 1 m, for best possible air flow. If possible, it is to advantage to place the vent over a radiator. Avoid installing the vent directly above a bed or seating area

Flow adjustment

The vent is continuously adjustable from fully closed to fully open.

The vent cover is rotated so that the desired flow is achieved through the openings around the entire plate circumference.

Maintenance

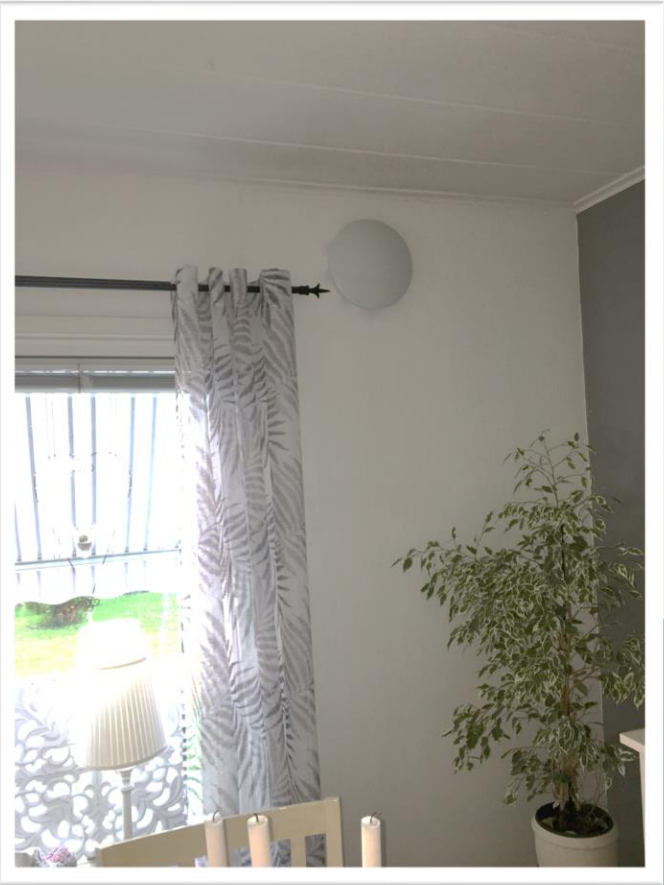
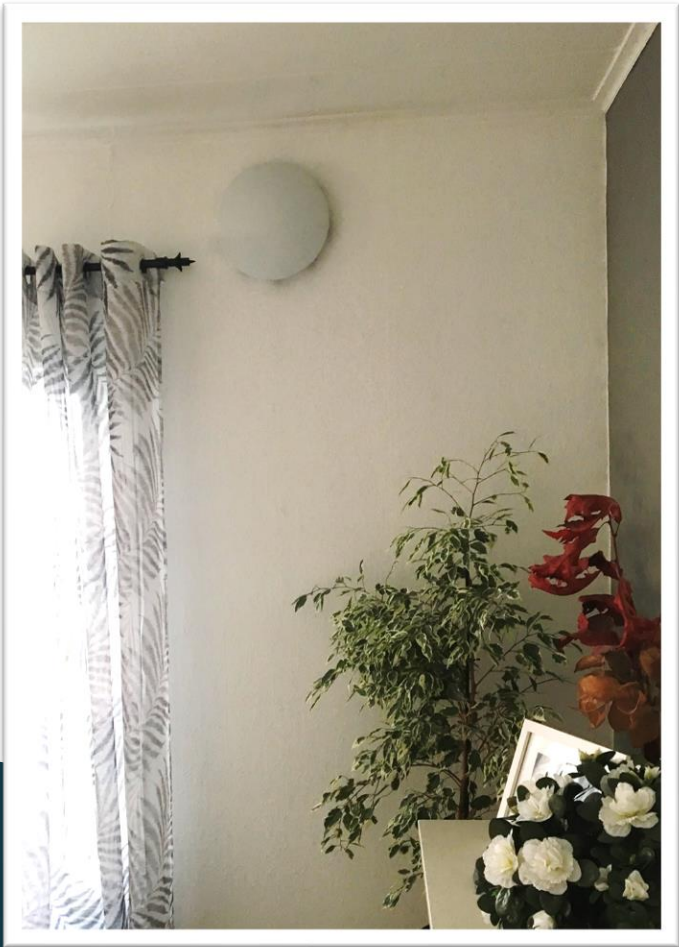
The air filter can be dismantled and cleaned by pulling the valve cover straight out (the cover is fastened with snap lock). Clean the air filter with lukewarm water and washing up liquid. Allow the filter to dry before reassembly. The visible parts of the sound absorbers (on the plate and in the tube) can be gently cleaned with a vacuum cleaner. In normal environment cleaning every 6 month is sufficient.

Material

ASA polymere, external part in grey colour, internal part in white colour.

Installation

See separate installation instruction.

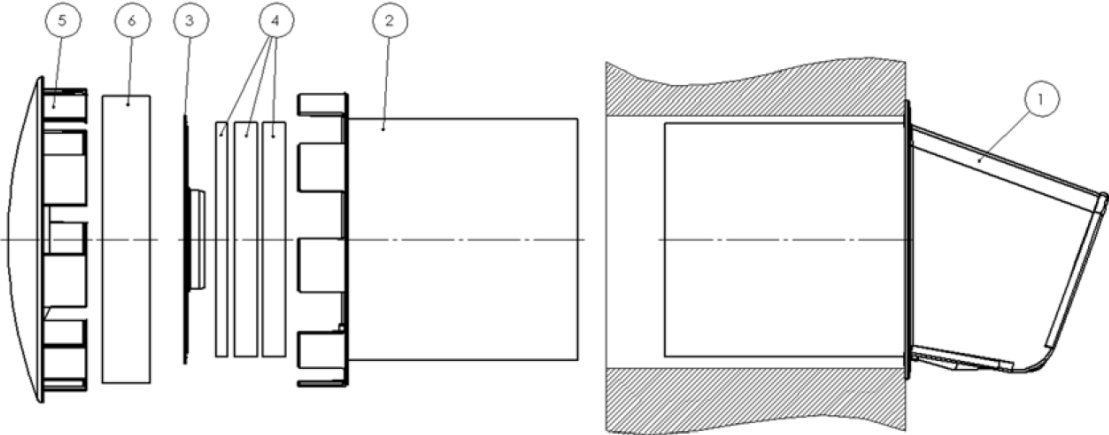


Installation photos



Installation photos

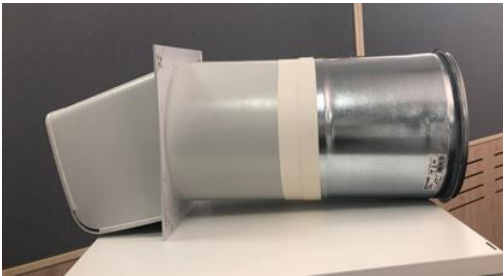
Product name	NonSonus FLV-65 Wall vent
Article No	100200
Net weight	3,1 kg
Wall thickness	200-390 mm
Size inner vent cover (5)	Ø 285x55 mm (DxH)
Hole drilling in wall	Ø 210 mm
Size external part with weather protection (1)	150x240x240 mm (LxWxH)
Weight incl box	3,7 kg
Size box	295x295x550 mm (LxWxH)
Vent/Box	1 pcs
Boxes/Pallet	36 boxes



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Product Name	NonSonus FLV-65 Extension (2B)
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Article No	100210
Wall thickness	390-590 mm
Weight incl box	1,4 kg
Size box	295x295x550 mm (LxWxH)
Extension/Box	1 pcs
Boxes/Pallet	36 boxes



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