



Installations-Manual

SDW - Acoustic screen

**Solflex GmbH
Am Feuerstein 282
2392 Wienerwald
Austria**

**T: +43223820336
E: office@solflex.eu
www.solflex.eu**

**ATU 65324348
FN 337206t**

**Always observe all relevant standards and
statutory regulations**

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1. General information

<https://solflex.eu/en/schalldaemmwand50mm>

<https://solflex.eu/en/schalldaemmwand100mm>



2. Warranty

24 months from delivery.

3. Safety

In the event of improper operation or operation for a purpose other than the intended, there is however a risk of serious or even fatal injury to persons and a risk of damage to the unit and other property.

3.1 Intended use

The unit must only be used as acoustic housing for compatible Heat Pump, Air Conditioning and Refrigeration systems. Any other use is strictly prohibited.

3.2 Safety constructions

All work about the assembly, installation and commissioning of the unit must be carried out by specially trained technicians.

NOTICE

It is possible to get injured during the mounting because of the metal execution and processing. Please wear gloves.

3.2.1. Risks during unloading and transportation

Risk of serious injury from dislodged loads. Do not stand under suspended loads. Risks from electric power. Risk of electric shock from electrostatic charge of housing: Earth the device.

3.2.2. Risk of damage to property and the environment

NOTICE

Serious damage to property from dropping loads; please observe the instructions in section "Delivery of product".

Serious damage to heat exchanger connections, panelling and other mounted components from force impact during moving of unit elements; **always move the unit elements by their base frame.**

Risk of damage to components from heavy impact, e.g. when attempting to dislodge a part with a hammer, etc.: **Components that rest on the foundation must only be moved by shifting.**

3.3. Emergency procedures

3.3.1. Fire Fighting

Strictly adhere to all statutory fire safety regulations. The insulation foam has a fire behaviour according norm.

4. Product delivery

Upon delivery, inspect the product for damage caused during transport and ensure the delivery is complete. Record any damage or missing parts on the transport documents. Complaints regarding obvious transport damage or incomplete deliveries cannot be considered if made too late.

On the construction site, protect the unit against dirt, impact and the elements.

4.1. Uploading / transport to location of installation

This unit is shipped in parts on a pallet. For unloading, lift the unit by the pallet. Too short forks can damage the acoustic housing.



Risk of serious injury or damage to property from dropping loads. Observe the safety instructions of the transport equipment and lifting gear.

Do not climb onto the unit.

5. Installation of unit

NOTICE

At the place of installation, it must be possible to provide impeccable service and maintenance and the necessary air intake of the built-in air-conditioning, refrigeration and heat pump units.

When planning the installation site, the guidelines for minimum distances around the air-conditioning, refrigeration and heat pump manufacturer must be respected.

The acoustic louvre, on the suction and exhaust sides has a depth of 200mm and the site must enable this to remove to have access to the built-in air conditioning, refrigeration and heat pump equipment.

Important NOTE:

NOTICE

Please always use appropriate occupational safety during installation. Due to the packaging materials and the production process, personal injuries can occur, such as hand injuries.

If the sound insulation wall is freely accessible, the necessary measures according to local conditions should be observed during installation to avoid personal injury.

The sound insulation wall consists of a sturdy aluminium frame construction with corner connectors screwed from the inside. This aluminium frame construction is to be fixed on a foundation. Depending on the order, the soundproofing panels are already fixed with a screw connection from the inside to the aluminium frame construction or the soundproofing panels are used with gag fasteners.

Example images Assembly:



For higher sound insulation walls, the upper frame is custom-made and can be screwed to the base frame with little effort.



If a door is ordered, it is used similar to the soundproof panels on a predefined place in the aluminium frame construction by means of double hinges for easy opening by means of double beard wrench (both left or right) or is completely removable.



Rotary gag closure



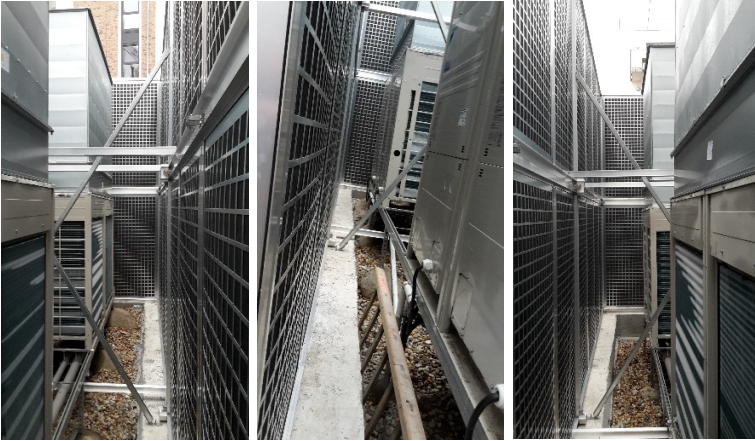
Double hinges

Example pictures of spans:





Examples of stiffening:



Example images Mounting with rubber bracket on foil roof:



Example image Mounting with adjustable foot:



Example image Mounting with attachment to the Big Foot frame:

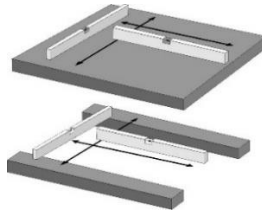


Example image Mounting with clamping connection to the steel frame:



5.1 Basement

The foundation must meet the building's requirements in terms of statics, acoustics and professional water drainage. The natural frequency of the substructure must have a sufficient distance to the excitation frequency of rotating components (air conditioning, refrigeration, heat pump units, etc.).



Unevenness in the foundation can be the cause of clamping panels. No liability is assumed for errors resulting therefrom.



6.1 Maintenance and service

6.1.1 General

For maintenance and service work on the refrigeration, air-conditioning or heat pump it, the necessary panels can be easily removed from the acoustic housing.

- Cleaning and maintenance of the acoustic housing:
- Remove other dirt with a dampcloth; if necessary, use grease- or oil-dissolving detergents (concentrated neutral detergent with pH between 8 and 9).
- Treat galvanized parts with preservation spray.
- Regularly lubricate moving parts such as panel locks with alubrication spray.
- Regularly treat seals.
- Repair any damage to the coating, including areas that show signs of corrosion, with repair paint.
- Clean the unit thoroughly to remove all construction dust and other dirt.
- Prior to shipping, each unit is carefully inspected at our factory.

6.1.2 Grounding

Depending on the local regulations and position, we recommend to carry out a grounding or lightning protection.

6.1.3 Removal and disposal

Metal parts and plastic parts are to be recycled, per applicable regulations.

Do you have anymore questions?



Solflex GmbH
Am Feuerstein 282
A-2392 Wienerwald, Austria
+43 2238 203 36, office@solflex.eu
SDW-IM-04/2021-ENG