

iPIN IT

RWA0501.IT.0003.A00

Mounting system installation manual

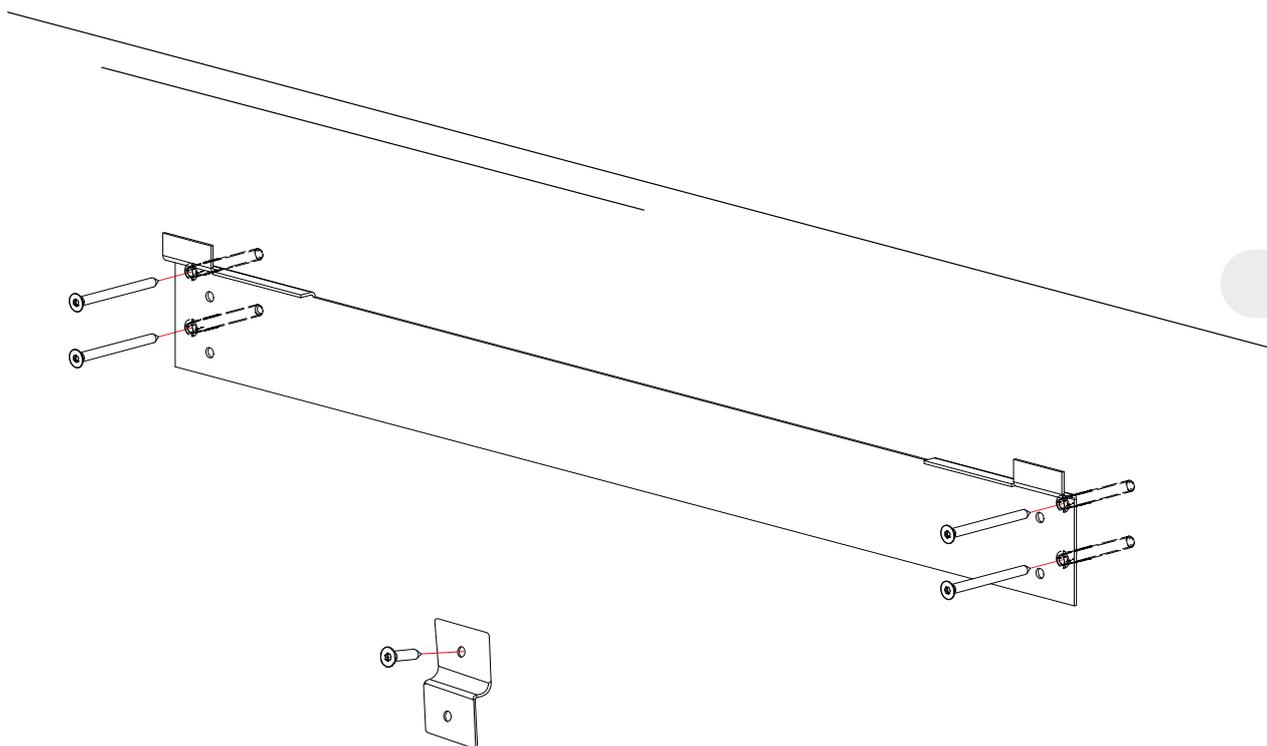


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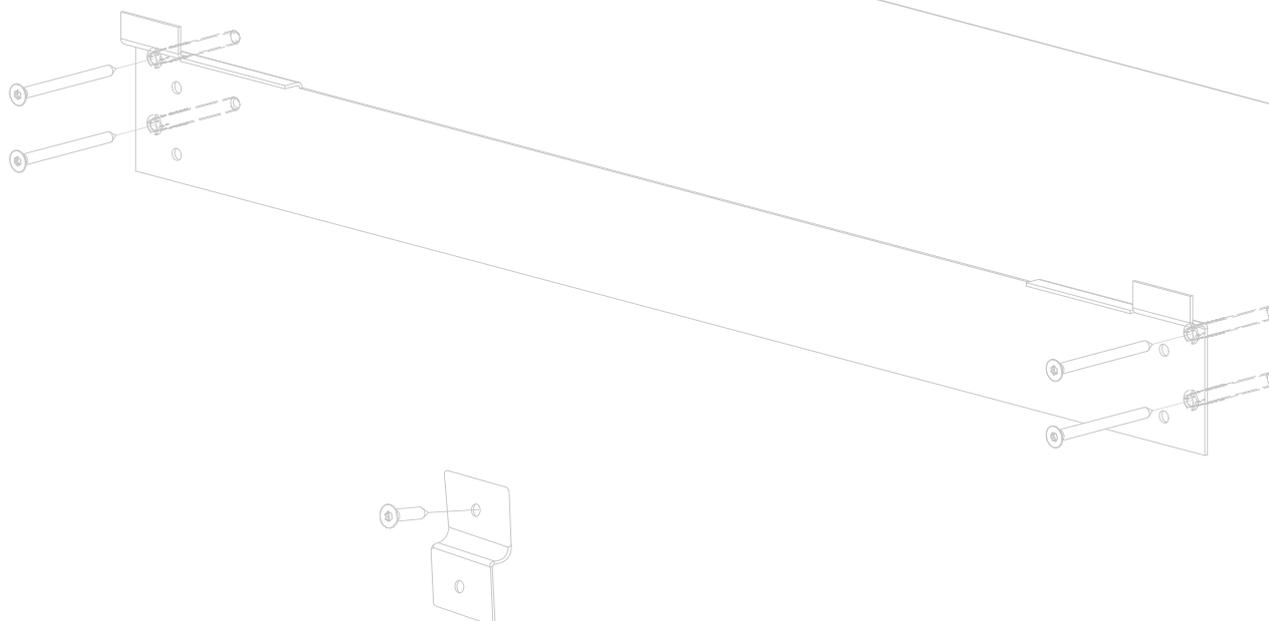
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1. General remarks for the installation of Wentilo ICON units

- These instructions are intended for a qualified Installer. It is forbidden to install, modify or repair the device yourself - these activities may only be carried out by qualified Installers.
 - Before mounting, check that the load-bearing structure to which the device or its accessories will be attached provides sufficient load-bearing capacity.
 - Visually check the technical condition of the unit to be assembled before starting assembly work.
 - Adequate usable space free of obstructions must be provided to ensure safe installation of the unit.
 - Assembly of the unit is recommended to be carried out by two people.
 - Never leave the unit unattended during installation or maintenance.
 - Incorrect installation of equipment or accessories can cause damage to equipment and harm to health.
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2. Contents of the iPIN IT installation kit

- 1 × wall mounting
- 1 × mounting plate
- 5 × FISCHER M6x50 mm screws
- 5 × FISCHER DUOPOWER M5x60 mm plugs
- 1 × M4.5x25 mm screw

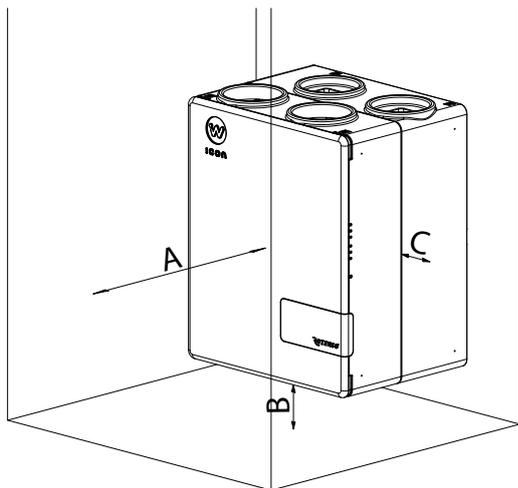
Thanks to the dedicated iPIN IT installation kit, the Wentilo ICON IT heat recovery unit can be installed in 3 positions:

- wall-mounted with spigots facing upwards
- wall-mounted with spigots facing left
- wall-mounted with spigots facing right

3. Service area

The minimum service spaces required for filter replacement, exchanger removal, siphon installation and access to the control system must be provided.

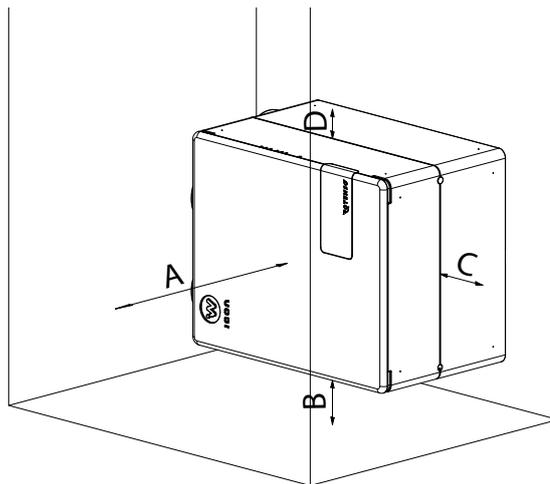
Vertical position:



Required minimum distances to ensure unobstructed access to the heat recovery unit during maintenance and service.

- A - 600 mm minimum**
- B - 150 mm minimum**
- C - 50 mm minimum**

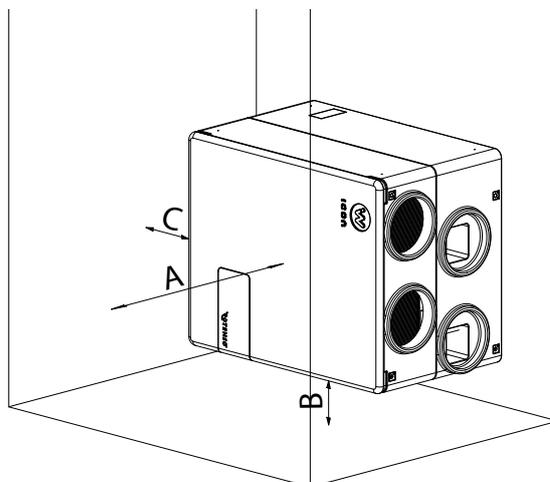
Horizontal position (standard version):



Required minimum distances to ensure unobstructed access to the heat recovery unit during maintenance and service.

- A - 600 mm minimum**
- B - 150 mm minimum**
- C - 150 mm minimum**
- D - 50 mm minimum**

Horizontal position (alternative version):



Required minimum distances to ensure unobstructed access to the heat recovery unit during maintenance and service.

- A - 600 mm minimum**
- B - 150 mm minimum**
- C - 150 mm minimum**

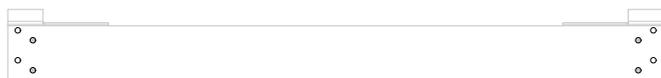
4. Installation of the heat recovery unit

Wall mounting is equipped with 8 mounting holes. If it is not possible to use one of the dedicated (external) holes, for example due to wall reinforcement, cables, grout, etc., use the spare hole next to it.

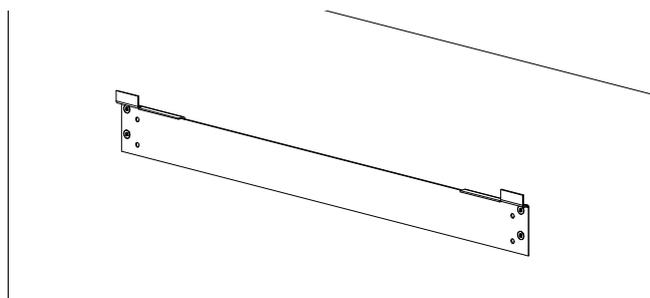
Start the installation of the heat recovery unit by fixing the wall mounting.

4.1 Installation of wall mounting

Wall mounting - additional holes are filled in grey



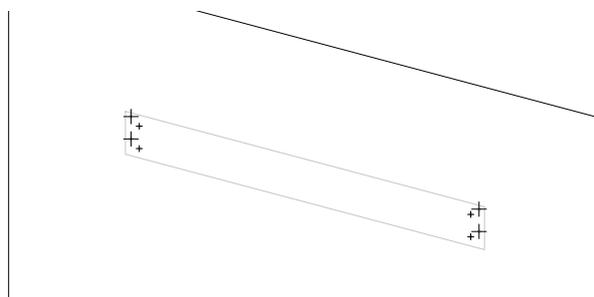
1 Determining the position of the mounting holes



- ▶ **Apply** the wall mounting to the installation site, **level** it, and then **mark** the centres of the mounting stud holes at four selected points.

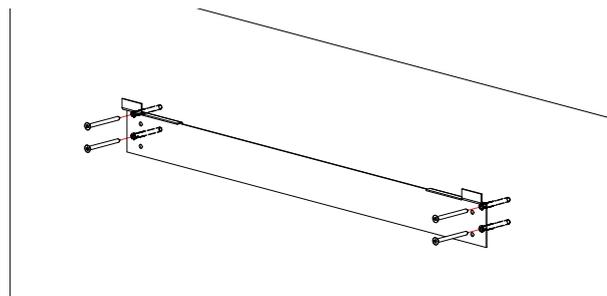
Caution: Use one of the holes in each corner of the sheet metal to ensure a secure fixing of the heat recovery unit!

2 Installation of support pins



- ▶ At the marked points, use a **Ø6** drill bit to **drill** holes at a minimum depth of **60 mm** and **insert** the plugs supplied.

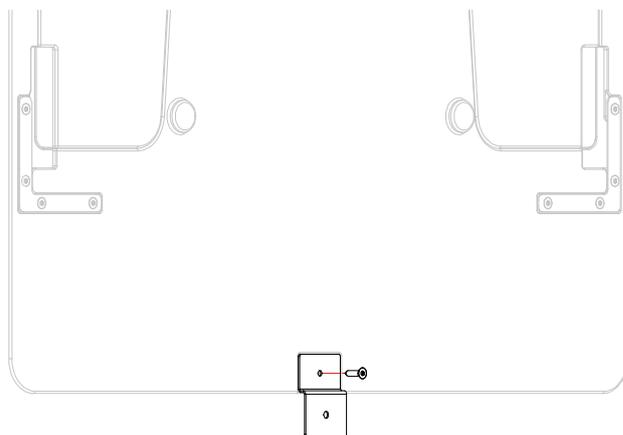
3 Assembly



- ▶ **Place** the wall mounting near the wall and **insert M6x50 mm** screws into them through the holes.
- ▶ **Screw** the screws into the plugs.

4.2 Vertical position

1 Correct installation of the mounting plate

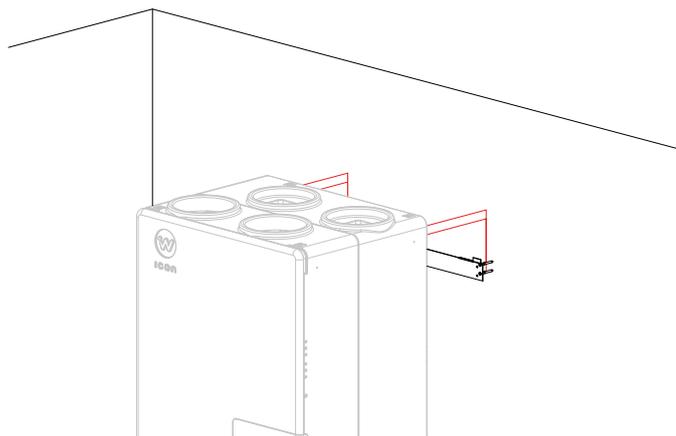
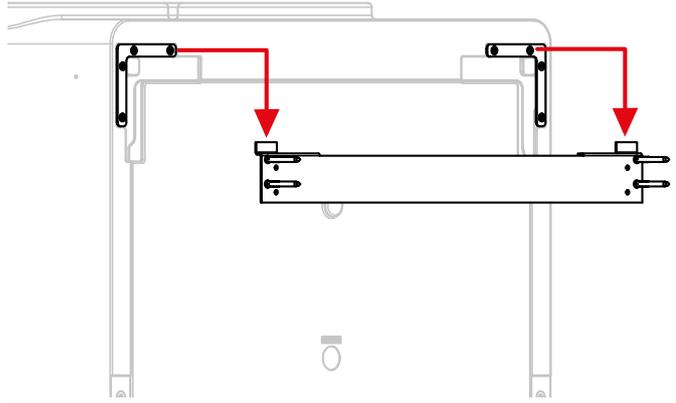


The mounting plate helps to prevent the heat recovery unit from accidentally slipping off the wall fixing.

- ▶ Use a **M4.5 x 25 mm** screw, **fix** the sheet metal to the dedicated mounting point located at the bottom of the heat recovery unit's rear side.

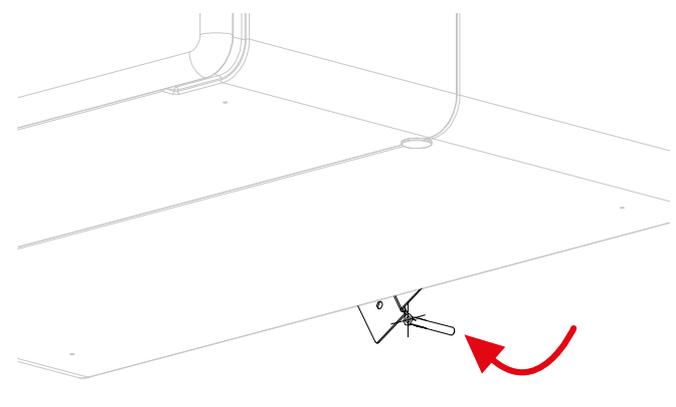
Caution: Remember to leave enough slack to allow the mounting plate to rotate.

2 Hanging the heat recovery unit on the wall



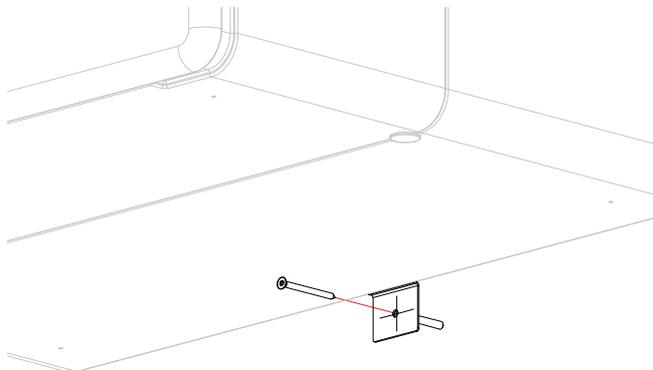
- ▶ **Slide** the heat recovery unit onto the wall mounting.
- ▶ During installation **slide** the undercuts under angles directly onto the bends of the wall mounting plate as shown above.
- ▶ In the free hole of the mounting plate **mark** the centre of the hole for the mounting plug.
- ▶ **Turn** the mounting plate so that the space for the mounting plug is conveniently accessible.

3 Preparation of the plug hole



- ▶ At the marked point, **drill** a hole with a **Ø6** drill bit to a minimum depth of **60 mm** and **insert** the plug supplied with the kit.
- ▶ **Turn** the mounting plate to its initial position.

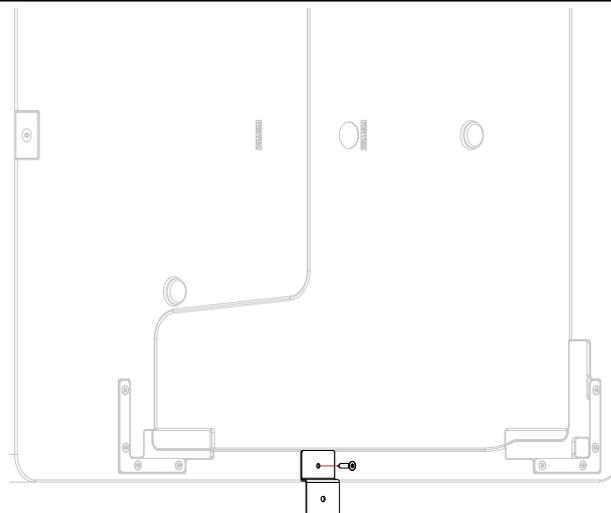
4 Securing the heat recovery unit



- ▶ **Secure** the unit by **fixing** the mounting plate to the wall with **M6x50 mm** screw.

4.3 Horizontal position (standard version)

1 Correct installation of the mounting plate

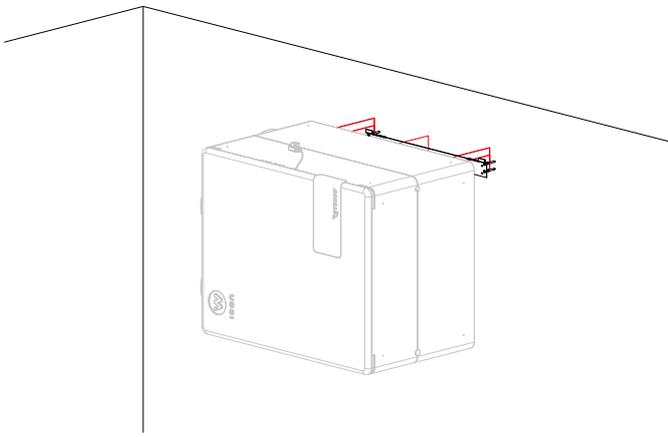
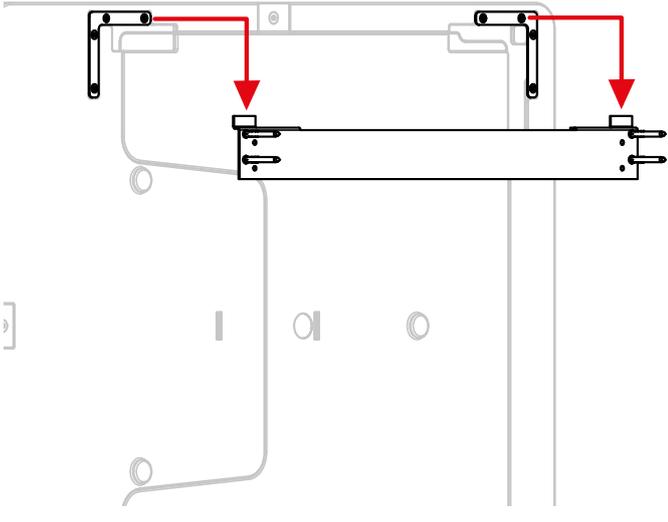


The mounting plate helps to prevent the heat recovery unit from accidentally slipping off the wall fixing.

- ▶ Using a **M4.5 x 25 mm** screw, **fix** the sheet metal to the dedicated mounting point located at the bottom of the heat recovery unit's rear side.

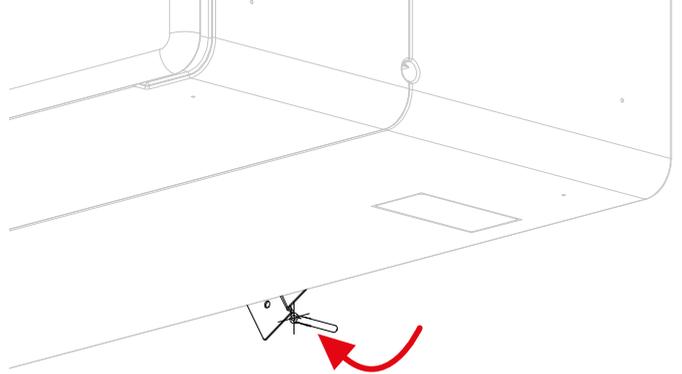
Caution: Remember to leave enough slack to allow the mounting plate to rotate

2 Hanging the heat recovery unit on the wall



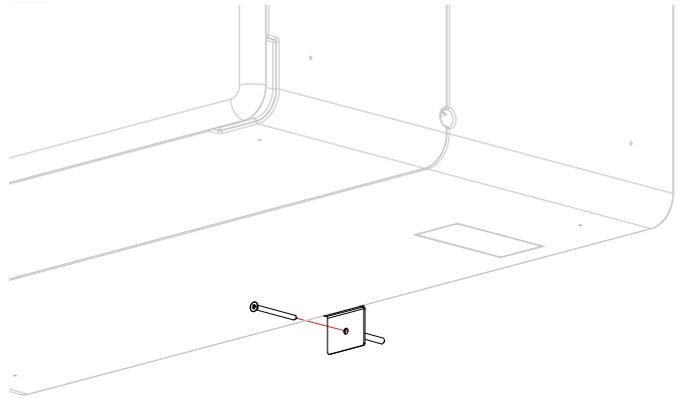
- ▶ **Slide** the heat recovery unit onto the wall mounting.
- ▶ During installation **slide** the undercuts under angles directly onto the bends of the wall mounting plate as shown above.
- ▶ In the free hole of the mounting plate **mark** the centre of the hole for the mounting plug.
- ▶ **Turn** the mounting plate so that the space for the mounting plug is conveniently accessible.

3 Preparation of the plug hole



- ▶ At the marked point, **drill** a hole with a **Ø6** drill bit to a minimum depth of **60 mm** and **insert** the plug supplied with the kit.
- ▶ **Turn** the mounting plate to its initial position.

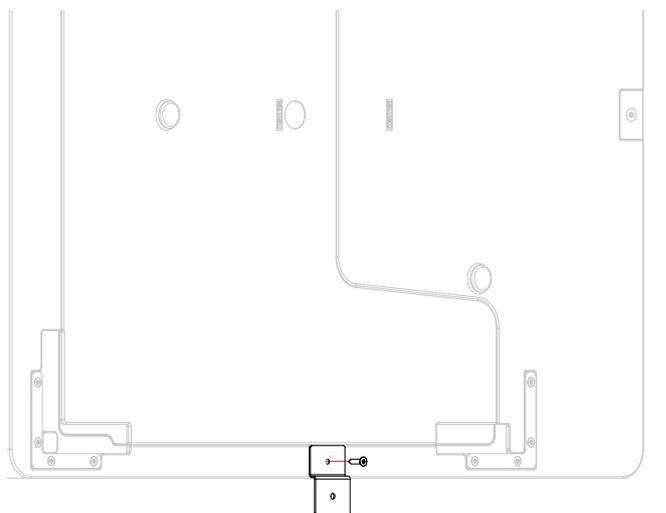
4 Securing the heat recovery unit



- ▶ **Secure** the unit by **fixing** the mounting plate to the wall with **M6x50 mm** screw.

4.4 Horizontal position (alternative version)

1 Correct installation of the mounting plate

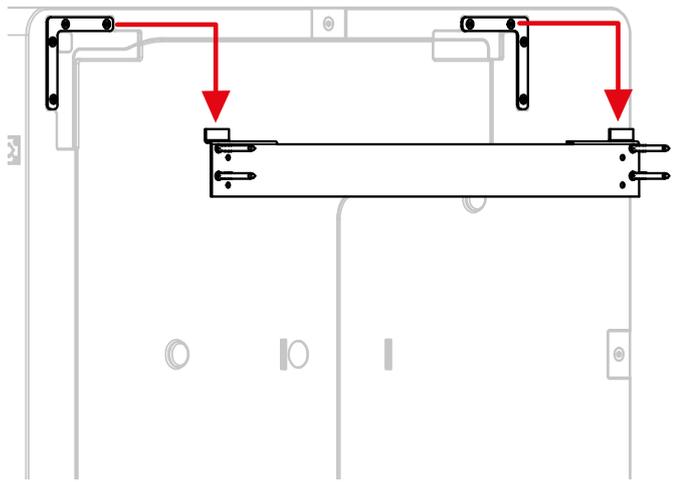


The mounting plate helps to prevent the heat recovery unit from accidentally slipping off the wall fixing.

- ▶ Using a **M4.5 x 25 mm** screw, **fix** the sheet metal to the dedicated mounting point located at the bottom of the heat recovery unit's rear side.

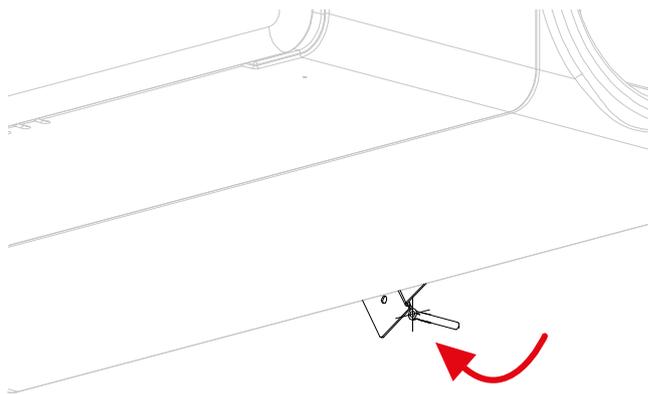
Caution: Remember to leave enough slack to allow the mounting plate to rotate.

2 Hanging the heat recovery unit on the wall



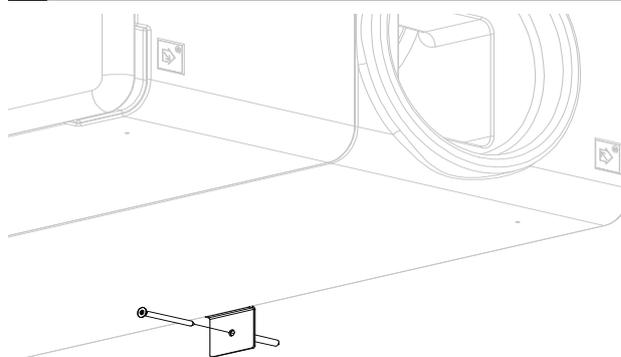
- ▶ **Slide** the heat recovery unit onto the wall mounting.
- ▶ During installation **slide** the undercuts under angles directly onto the bends of the wall mounting plate as shown above.
- ▶ In the free hole of the mounting plate **mark** the centre of the hole for the mounting plug.
- ▶ **Turn** the mounting plate so that the space for the mounting plug is conveniently accessible.

3 Preparation of the plug hole



- ▶ At the marked point, **drill** a hole with a **Ø6** drill bit to a minimum depth of **60 mm** and **insert** the plug supplied with the kit.
- ▶ **Turn** the mounting plate to its initial position.

4 Securing the heat recovery unit



- ▶ **Secure** the unit by **fixing** the mounting plate to the wall with **M6x50 mm** screw.