

iPIN IC/IS

RWA0501.00.0002.A00

Mounting system installation manual

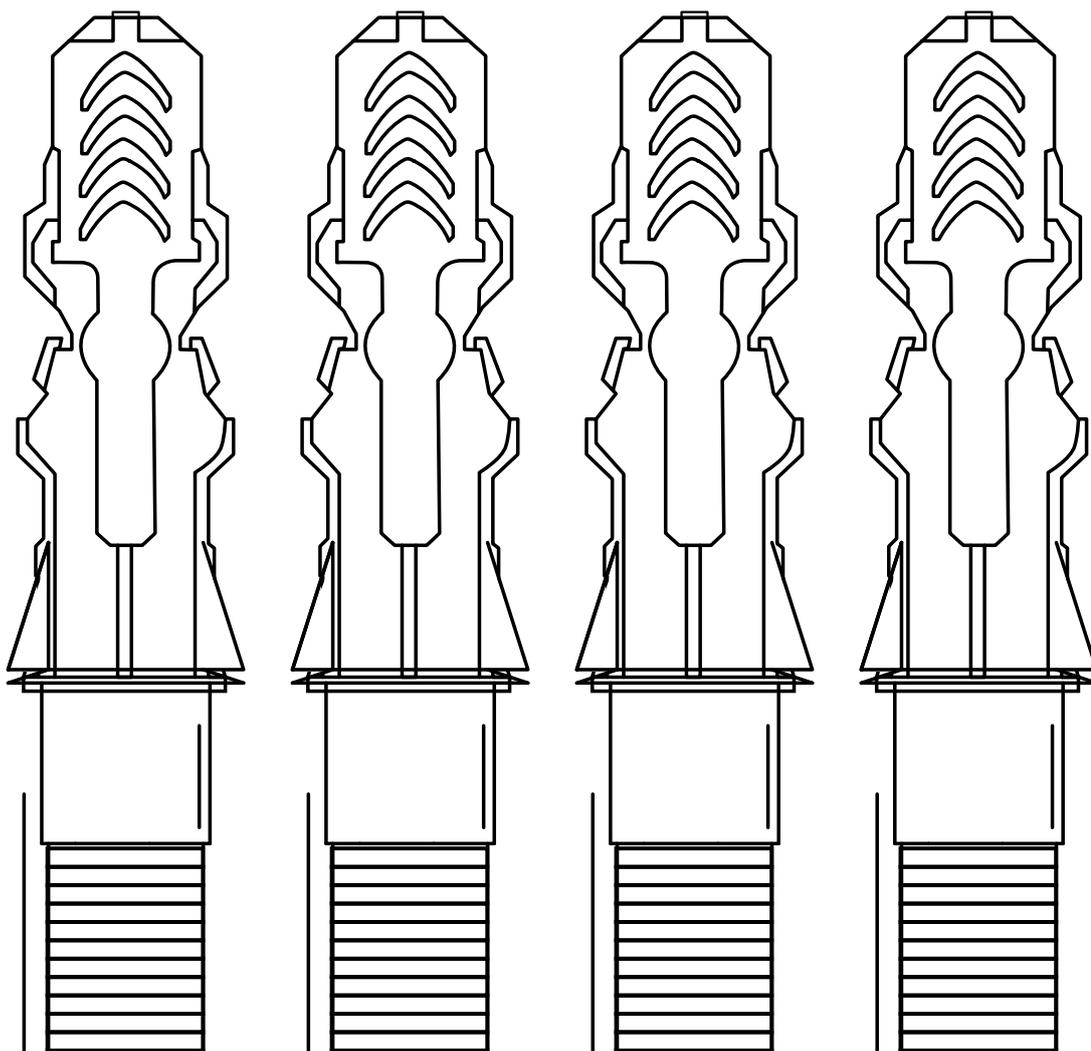
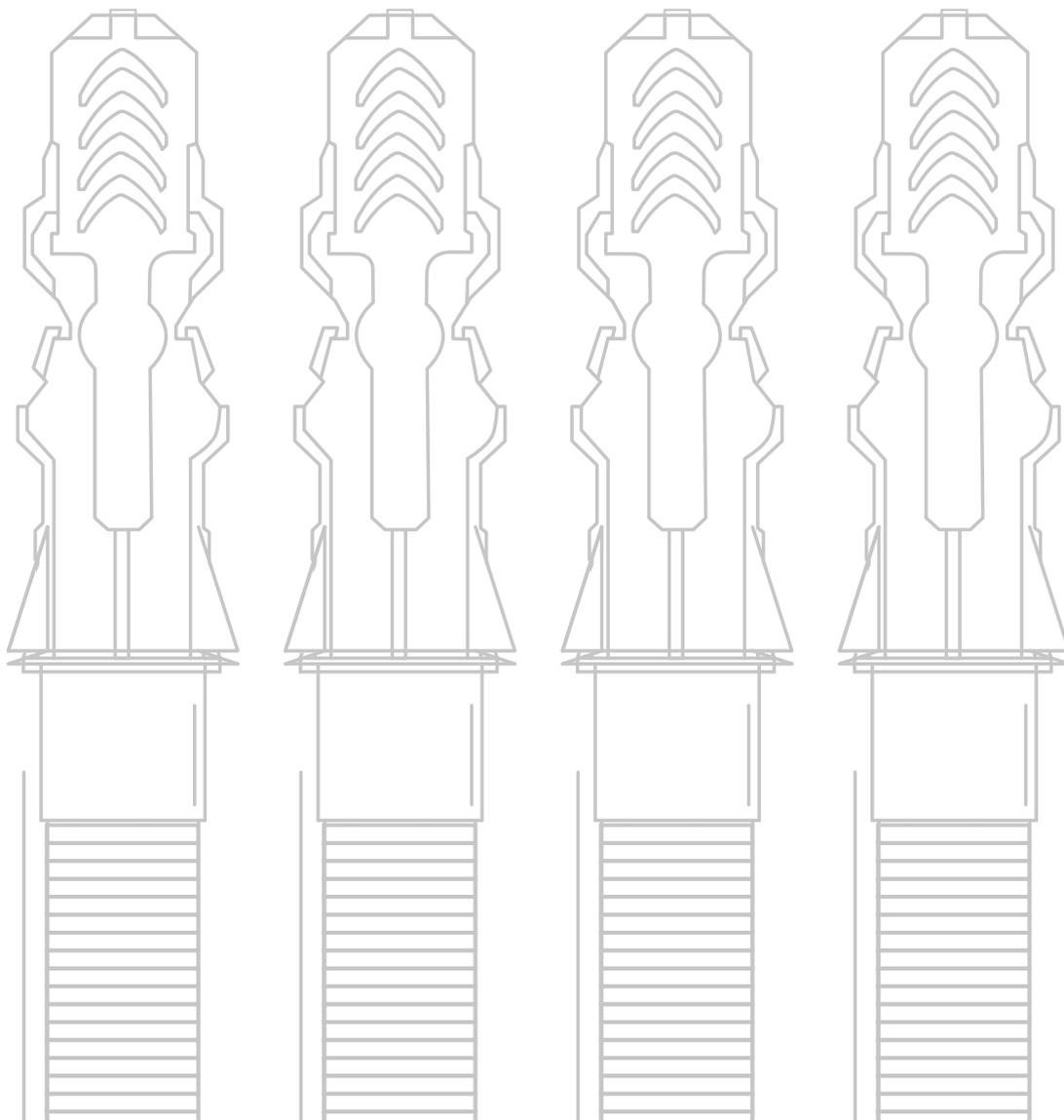


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1. General remarks for the installation of Wentilo ICON units

- 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.
-

2. Contents of the iPIN IC/IS installation kit

- 4 x nut M6,
- 4 x washer M6,
- 4 x threaded rod M6x330 mm,
- 4 x long nut M6x25 mm,
- 4 x Fischer STST 6x80 mm screw,
- 4 x Fischer DuoPower 8x40 mm plug S.

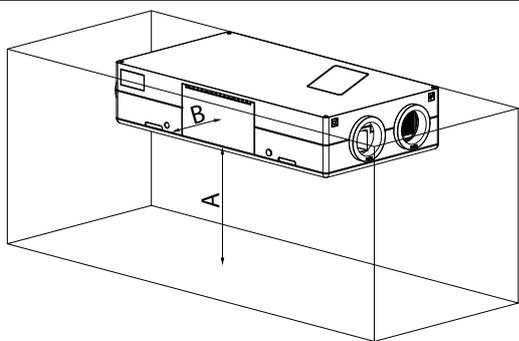
3. Wentilo ICON IC unit

3.1 Ceiling-mounted

3.1.1 Service area

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

Mounting option - ceiling



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

A - minimum 500 mm

B - minimum 150 mm

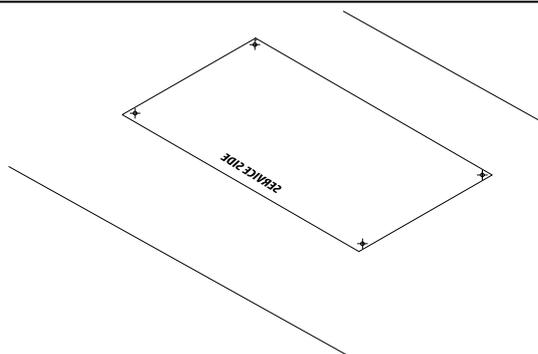
3.1.2 Installation of the heat recovery unit

Start assembling the heat recovery unit in the suspended position by removing the assembly template from the ICON IC heat recovery unit transport packaging.

⚠ CAUTION

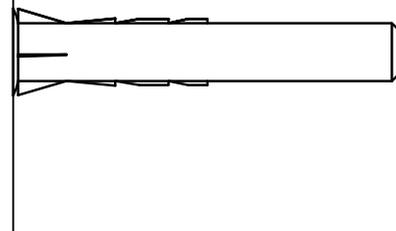
Remember to keep the "Mounting side" of the template facing in the correct direction.

1 Mounting template



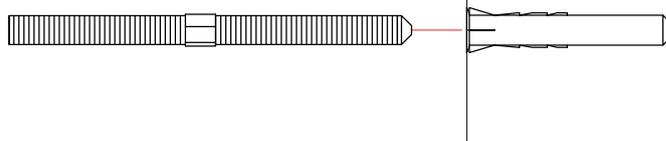
- ▶ **Apply** the template to the installation site, **level** it and then **mark** the centres of the mounting stud holes.

2 Installation of support pins



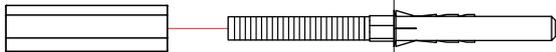
- ▶ At the marked points, use a **Ø8** drill bit to **drill** holes at a minimum depth of **50 mm** and **insert** the plugs supplied.

3 Installation of support screw



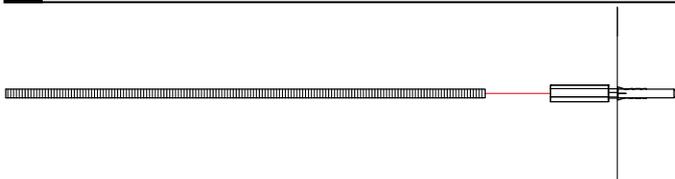
- ▶ Using a TX15 bit, **screw** the bolt into the stud.

4 Assembly of M6 long nuts



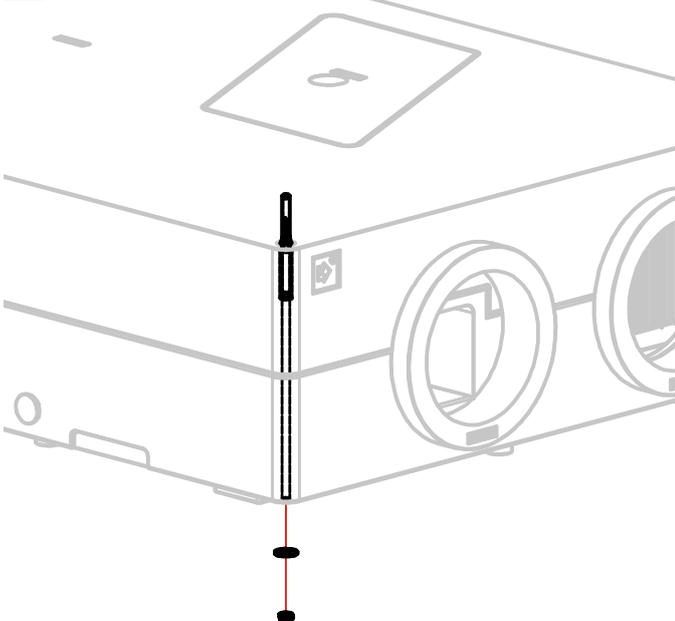
- ▶ **Screw on** the **M6** long nut to half of its length.

5 Installation of threaded rods



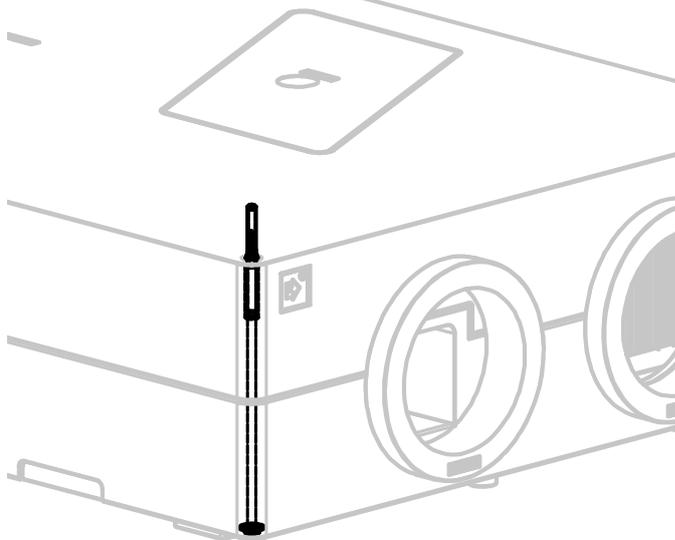
- ▶ **Screw** the threaded rods securely into the **M6** long nuts.

6 Mounting the heat recovery unit on the threaded rods



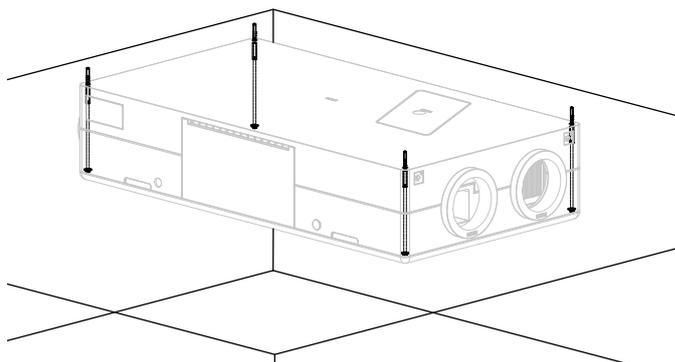
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** washers and nuts on the rods

7 Setting in position



- ▶ Using the nuts, **adjust** the tilt **3°** towards the condensate drain and then **cut off** the excess threaded rod taking care not to damage the heat recovery unit.

8 Installing the decorative cover



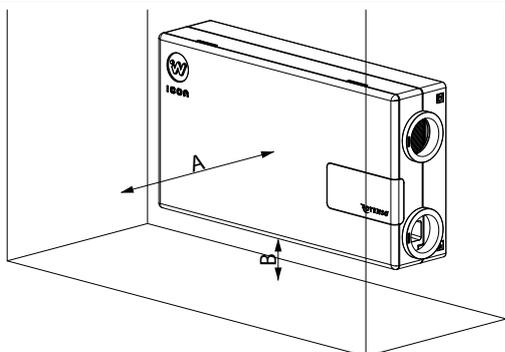
- ▶ When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.

3.2 Wall-mounted

3.2.1 Service area

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

Mounting option - wall



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

A - minimum 400 mm

B - minimum 150 mm

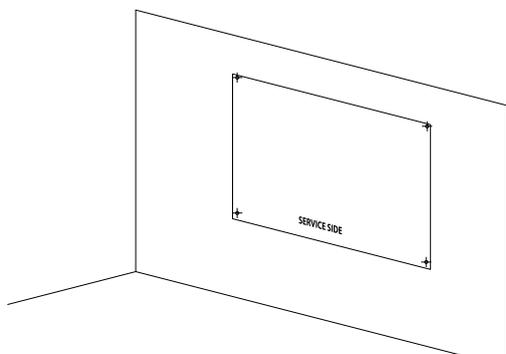
3.2.2 Installation of the heat recovery unit

Start assembling the heat recovery unit in the wall position by removing the assembly template from the ICON IC heat recovery unit transport packaging.

⚠ CAUTION

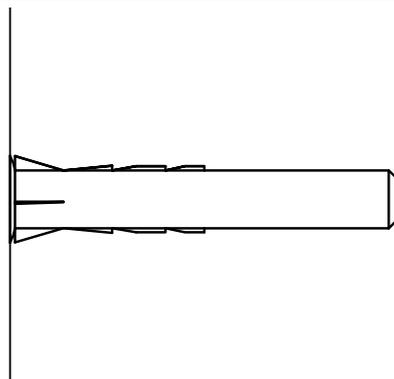
Remember to keep the "Mounting side" of the template facing in the correct direction.

1 Mounting template



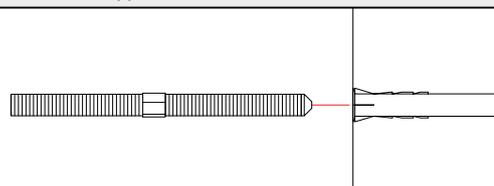
- ▶ **Apply** the template to the installation site, **level** it and then **mark** the centres of the mounting stud holes.

2 Installation of support pins



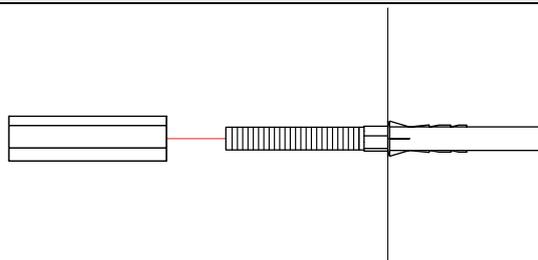
- ▶ At the marked points, use a **Ø8** drill bit to **drill** holes at a minimum depth of **50 mm** and **insert** the plugs supplied.

3 Installation of support screws



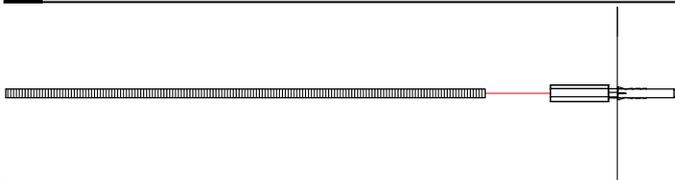
- ▶ Using a TX15 bit, **screw** the bolt into the stud.

4 Assembly of M6 long nuts



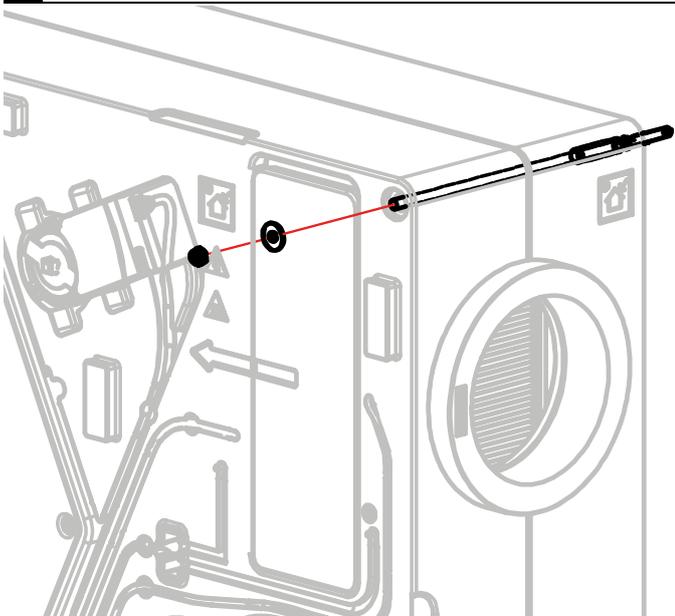
- ▶ **Screw** on the **M6** long nut to half of its length.

5 Installation of threaded rods



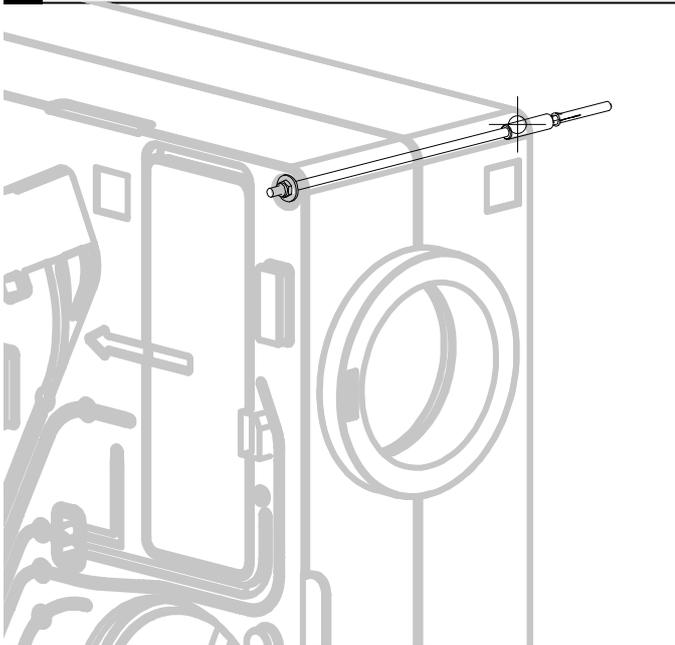
- ▶ **Screw** the threaded rods securely into the **M6** long nuts.

6 Mounting the heat recovery unit on the threaded rods



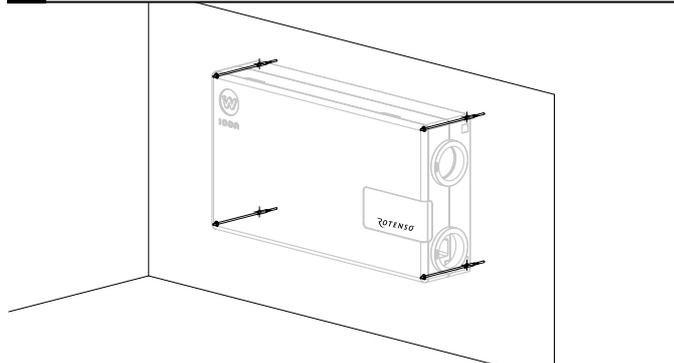
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** on washers and nuts on the rods

7 Setting in position



- ▶ Using the nuts, **align** the position of the heat recovery unit and then **cut off** the excess threaded rods taking care not to damage the heat recovery unit.

8 Installing the decorative cover



- ▶ When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.

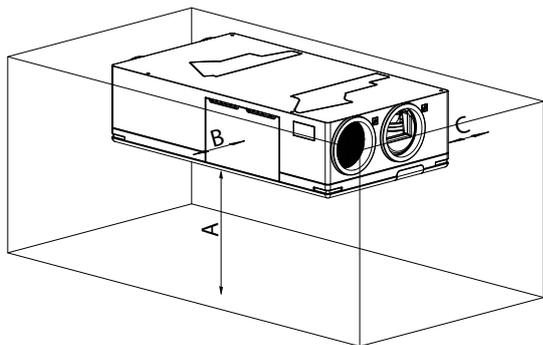
4. Wentilo ICON IS unit

4.1 Ceiling-mounted

4.1.1 Service area

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

Mounting option - ceiling



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

- A** - minimum 500 mm
- B** - minimum 200 mm
- C** - minimum 150 mm

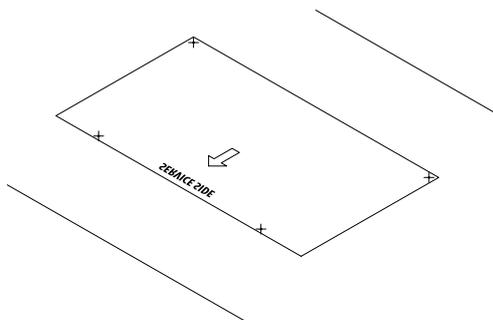
4.1.2 Installation of the heat recovery unit

Start assembling the heat recovery unit in the suspended position by removing the assembly template from the ICON IS heat recovery unit transport packaging.

⚠ CAUTION

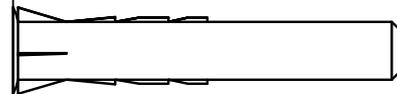
Remember to keep the "Mounting side" of the template facing in the correct direction.

1 Mounting template



- ▶ **Apply** the template to the installation site, **level** it and then **mark** the centres of the mounting stud holes.

2 Installation of support pins



- ▶ At the marked points, use a **Ø8** drill bit to **drill** holes at a minimum depth of **50 mm** and **insert** the plugs supplied.

3 Installation of support screws



- ▶ Using a TX15 bit, **screw** the bolt into the stud.

4 Assembly of M6 long nuts



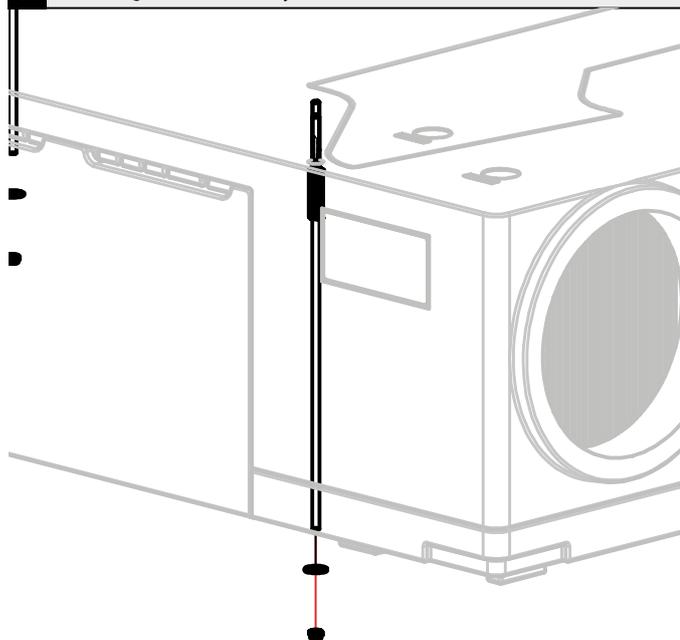
- ▶ **Screw** on the **M6** long nut to half of its length.

5 Installation of threaded rods



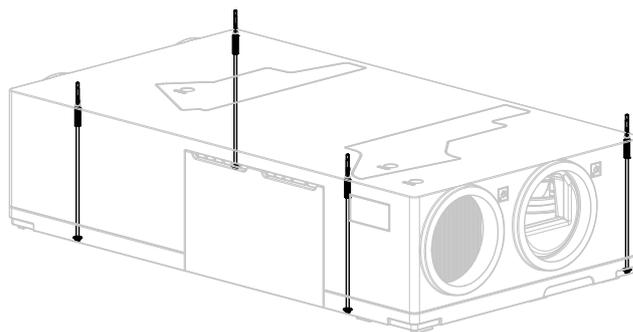
- ▶ **Screw** the threaded rods securely into the **M6** long nuts.

6 Mounting the heat recovery unit on the threaded rods



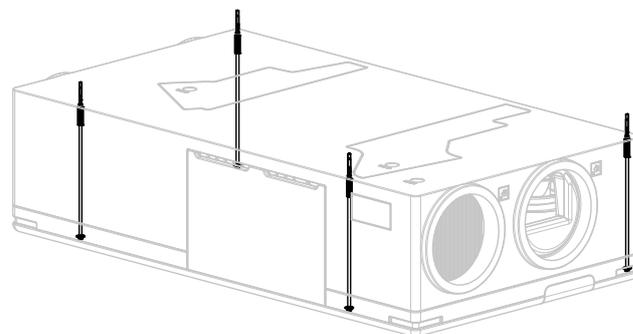
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** washers and nuts on the rods

7 Setting in position



- ▶ **Using** the nuts, adjust the tilt **3°** towards the condensate drain and then **cut off** the excess threaded rods taking care not to damage the heat recovery unit.

8 Installing the decorative cover



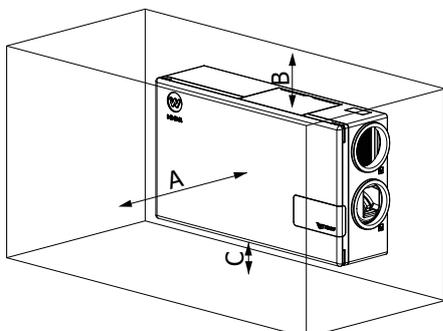
- ▶ When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.

4.2 Wall-mounted

4.2.1 Service area

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

Mounting option - wall



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

A - minimum 400 mm

B - minimum 200 mm

C - minimum 150 mm

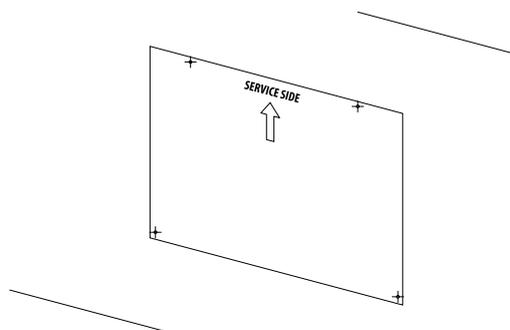
4.2.2 Installation of the heat recovery unit

Start assembling the heat recovery unit in the wall position by removing the assembly template from the transport packaging.

⚠ CAUTION

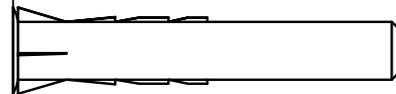
Remember to keep the "Mounting side" of the template facing in the correct direction.

1 Mounting template



► **Apply** the template to the installation site, **level** it and then **mark** the centres of the mounting stud holes.

2 Installation of support pins



► At the marked points, use a **Ø8** drill bit to **drill** holes at a minimum depth of **50 mm** and **insert** the plugs supplied.

3 Installation of support screws



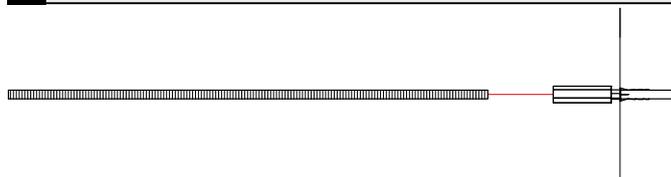
► **Screw** the threaded rods securely into the **M6** long nuts.

4 Assembly of M6 long nuts



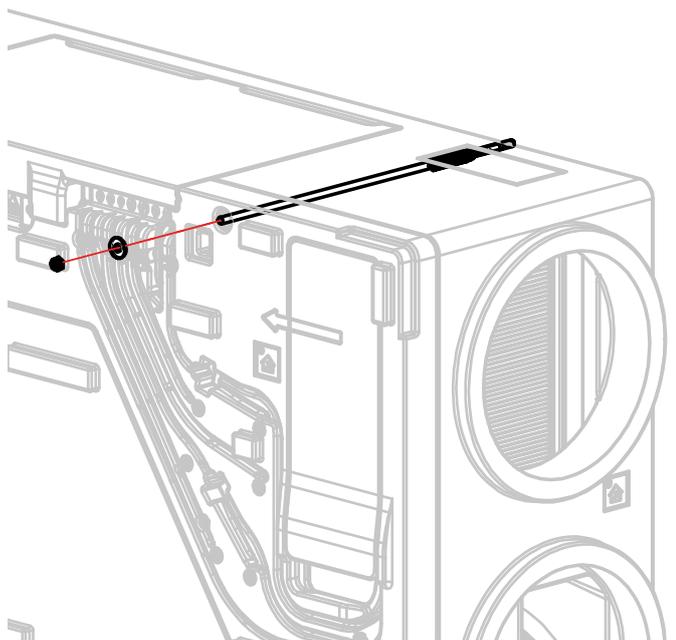
► **Screw** on the **M6** long nut to half of its length.

5 Installation of threaded rods



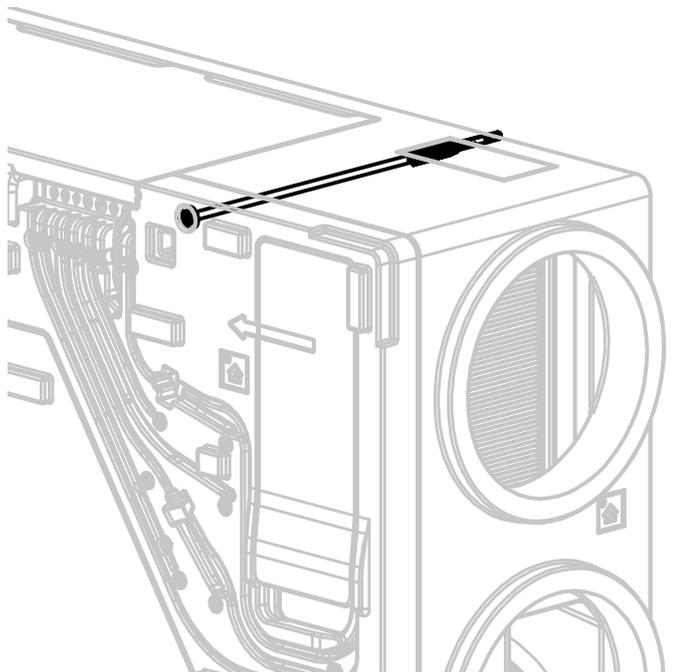
► **Screw** the threaded rods securely into the **M6** long nuts.

6 Mounting the heat recovery unit on the threaded rods



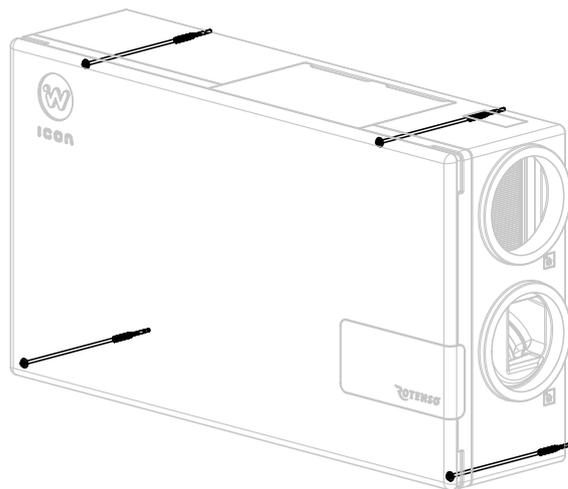
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** washers and nuts on the rods

7 Setting in position



- ▶ Using the nuts, **align** the position of the heat recovery unit and then **cut off** the excess threaded rods taking care not to damage the heat recovery unit.

8 Installing the decorative cover



- ▶ When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.