

# iPIN IC/IS

RWA0501.00.0002.A00

## Mounting system installation manual

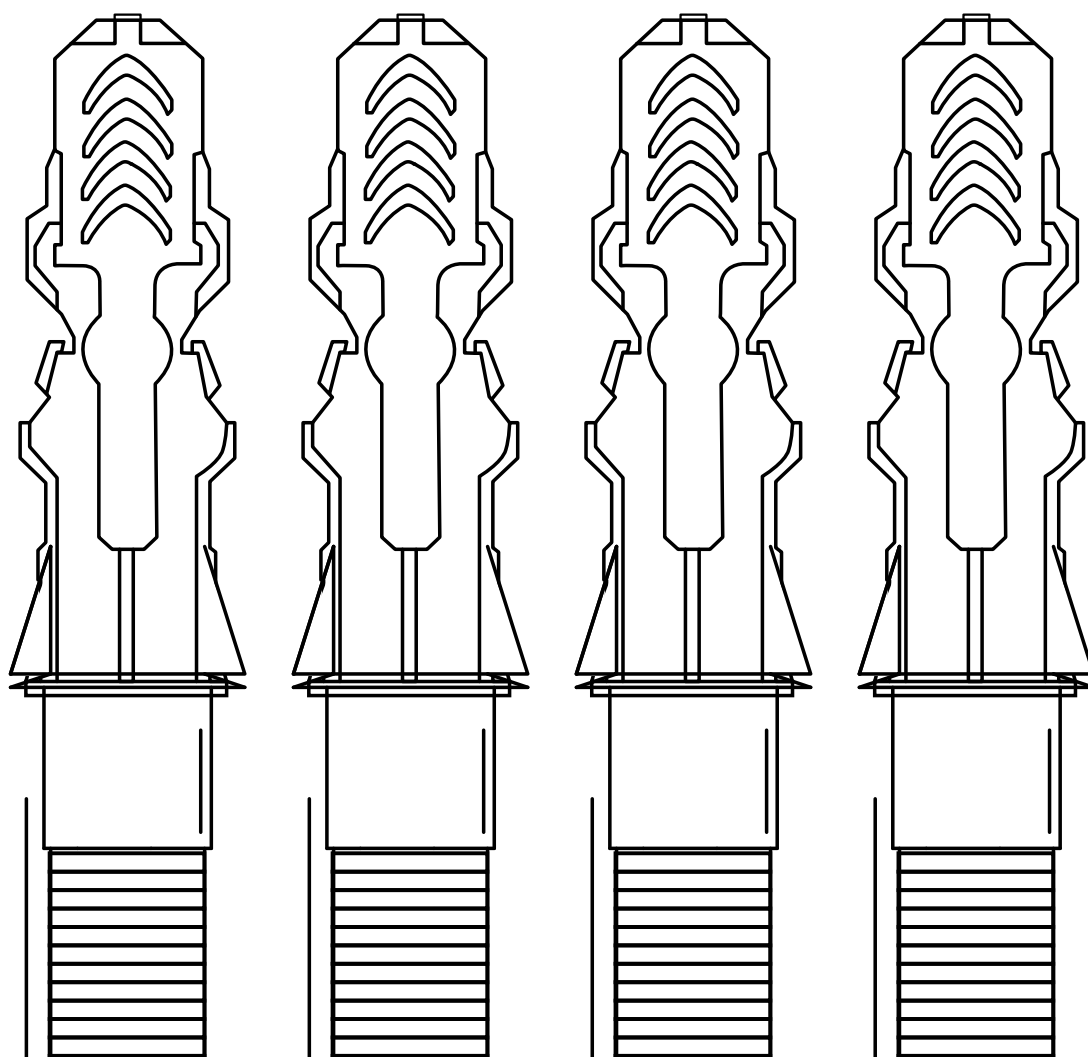


TABLE OF CONTENTS

1. General remarks for the installation of Wentilo ICON units..... 3

2. Contents of the iPIN IC/IS installation kit..... 4

3. Wentilo ICON IC unit..... 4

    3.1 Ceiling-mounted..... 4

        3.1.1 Service area..... 4

        3.1.2 Installation of the heat recovery unit..... 4

    3.2 Wall-mounted..... 6

        3.2.1 Service area..... 6

        3.2.2 Installation of the heat recovery unit..... 6

4. Wentilo ICON IS unit..... 8

    4.1 Ceiling-mounted..... 8

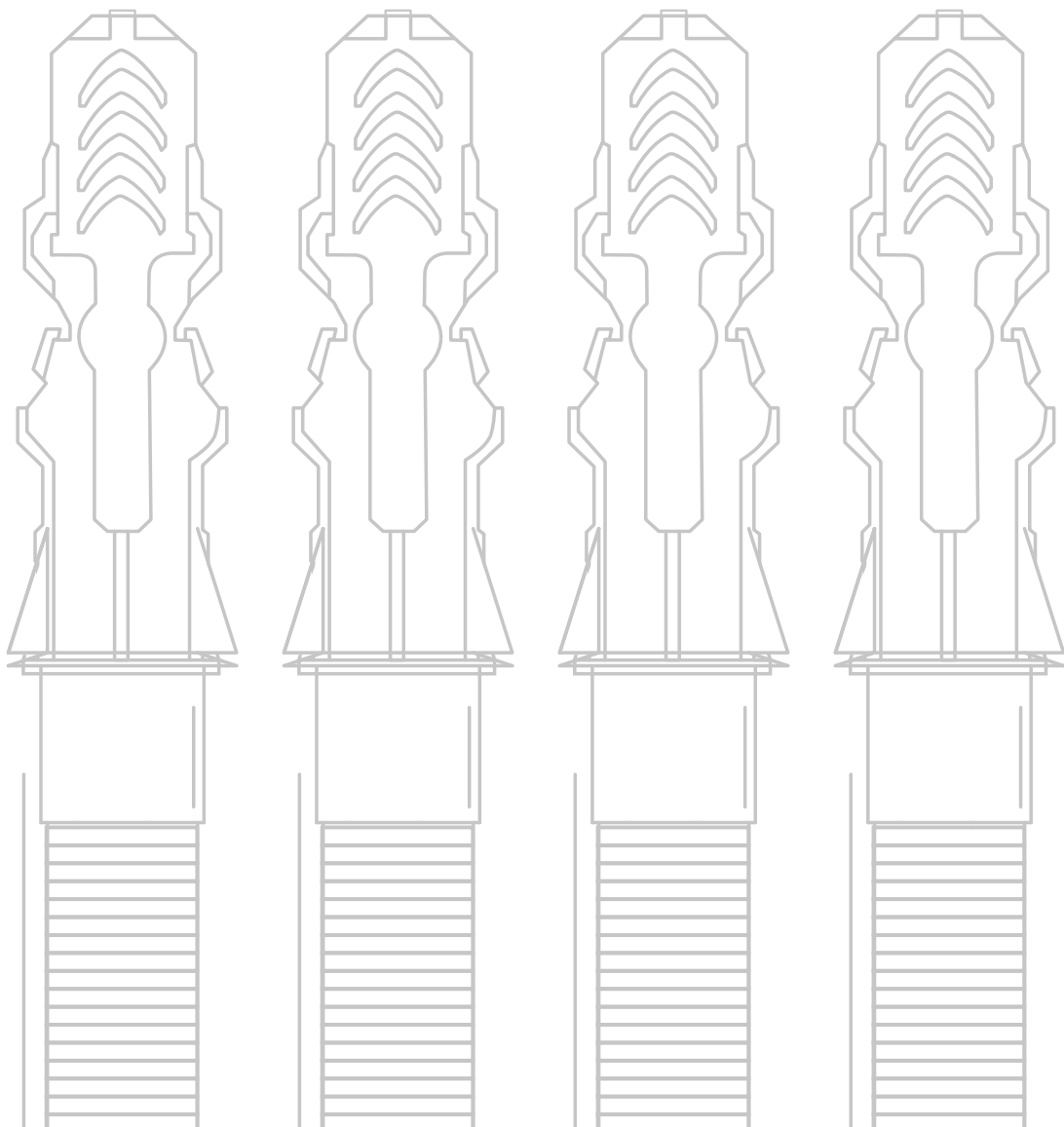
        4.1.1 Service area..... 8

        4.1.2 Installation of the heat recovery unit..... 8

    4.2 Wall-mounted..... 10

        4.2.1 Service area..... 10

        4.2.2 Installation of the heat recovery unit..... 10



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

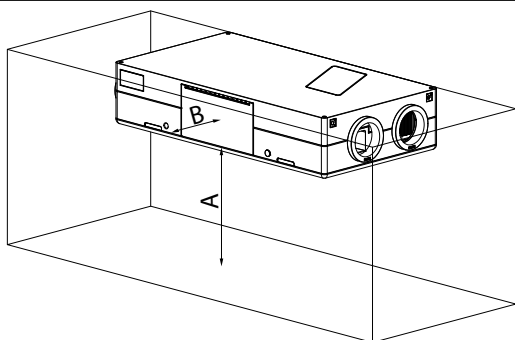
## 3. Wentilo ICON IC unit

### 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

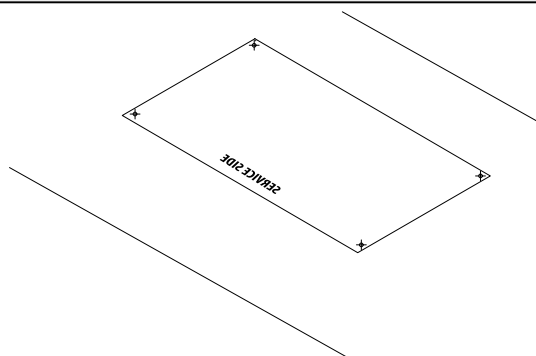
#### 3.1.2 Installation of the heat recovery unit

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

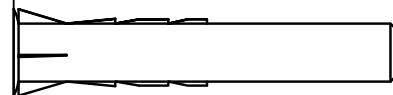
Remember to keep the "Mounting side" of the template facing in the correct direction.

#### 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



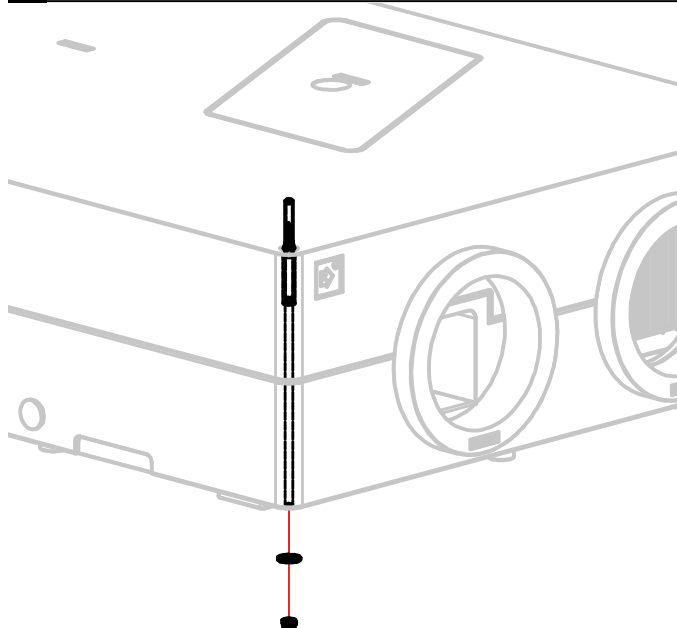
- **Screw on** the **M6** long nut to half of its length.

#### 5 Installation of threaded rods



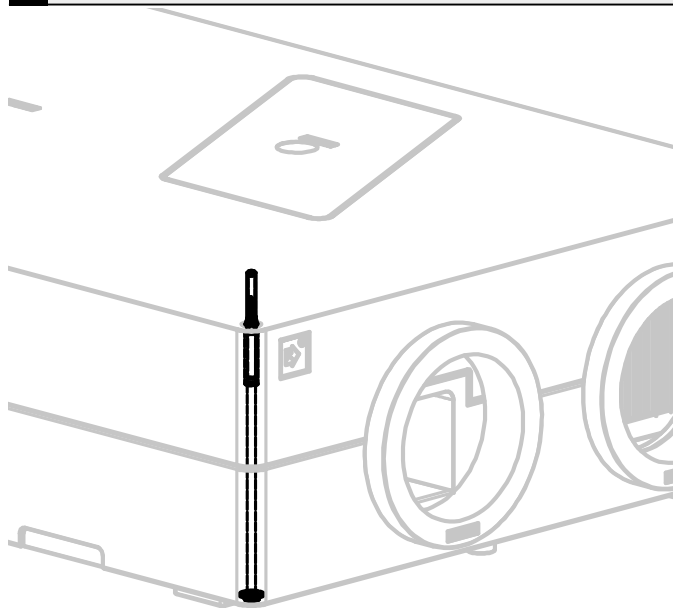
- **Screw** the threaded rods securely into the **M6** long nuts.

#### 6 Mounting the heat recovery unit on the threaded rods



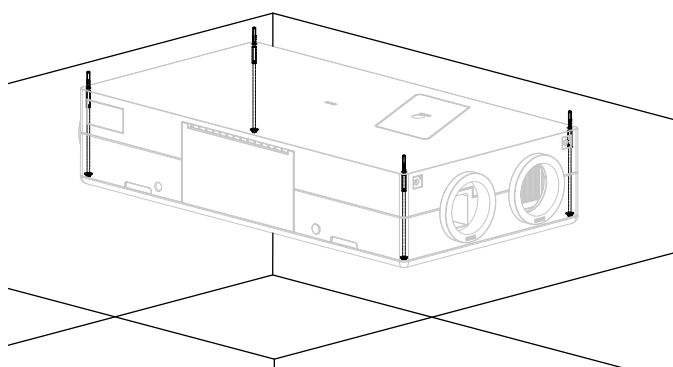
- **Slide** the threaded rods into the heat recovery units mounting holes.
- **Secure** the heat recovery unit by **putting** washers and nuts on the rods

#### 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



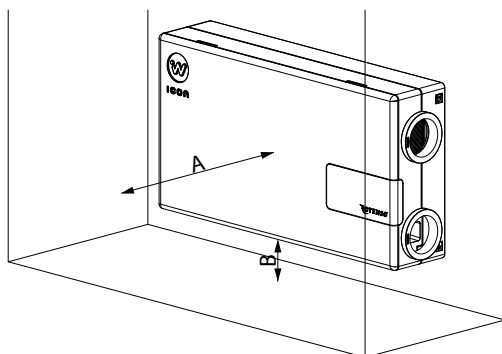
- When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.

## 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

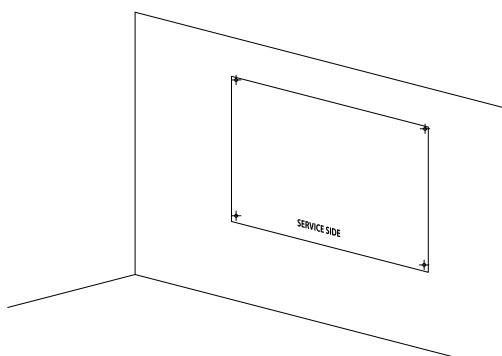
### 3.2.2 Installation of the heat recovery unit

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

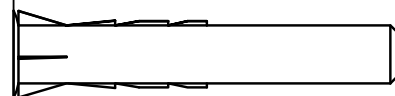
Remember to keep the "Mounting side" of the template facing in the correct direction.

#### 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



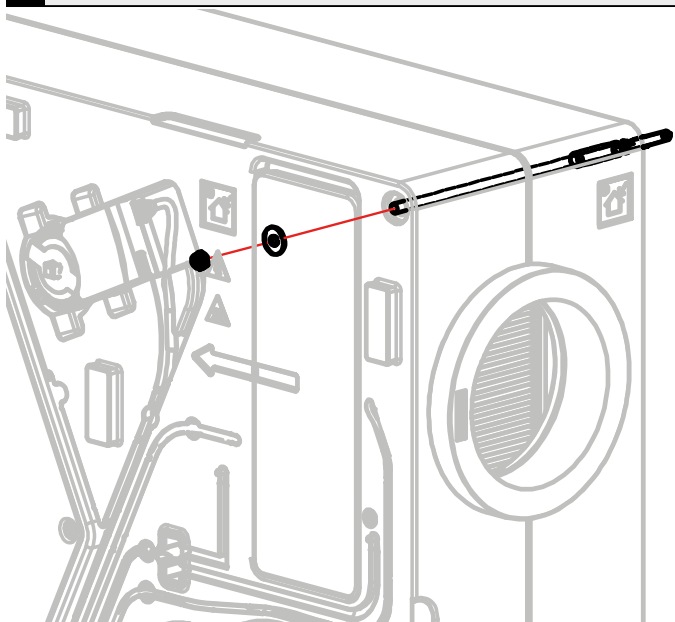
- **Screw** on the **M6** long nut to half of its length.

## 5 Installation of threaded rods



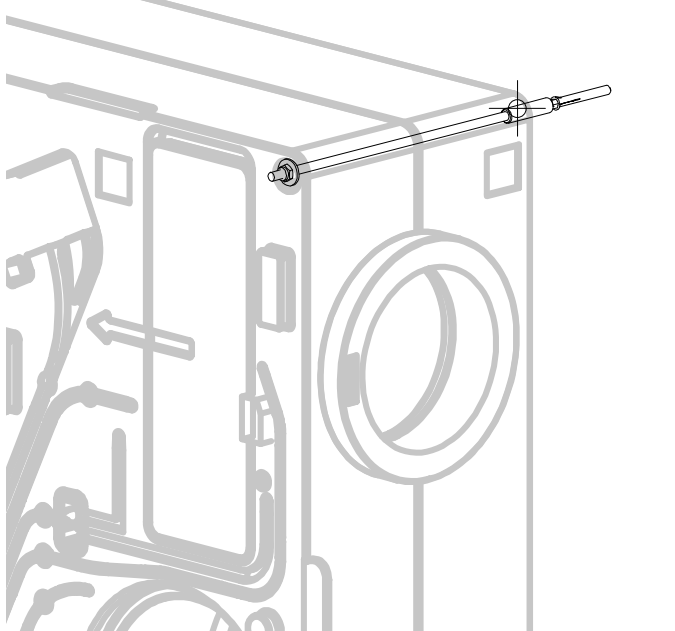
- **Screw** the threaded rods securely into the **M6** long nuts.

## 6 Mounting the heat recovery unit on the threaded rods



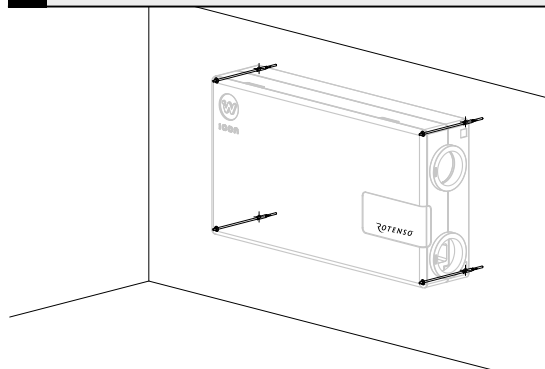
- **Slide** the threaded rods into the heat recovery unit's mounting holes.
- **Secure** the heat recovery unit by **putting** on washers and nuts on the rods.

## 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.

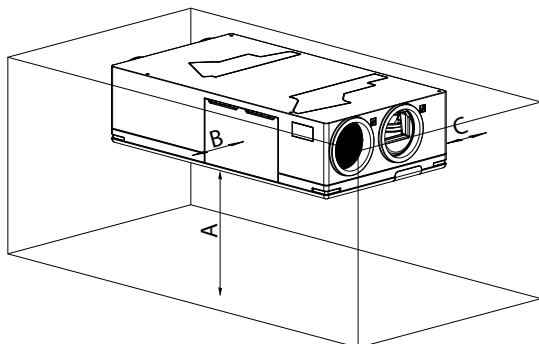
## 4. Wentilo ICON IS unit

### 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

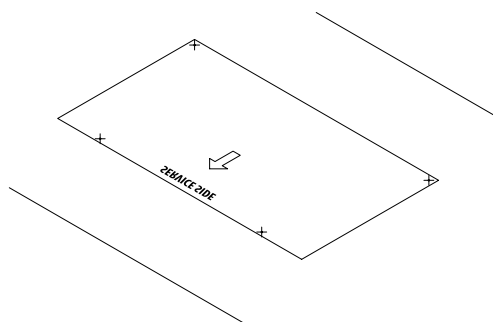
#### 4.1.2 Installation of the heat recovery unit

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

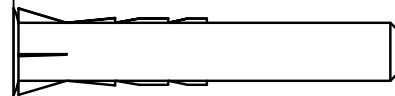
Remember to keep the "Mounting side" of the template facing in the correct direction.

#### 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



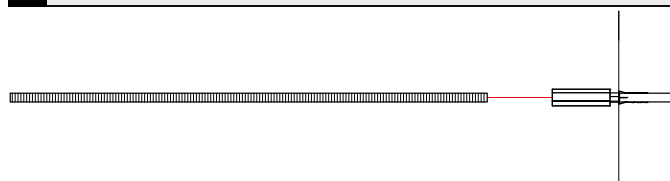
- Using a TX15 bit, **screw** the bolt into the stud.

#### 4 Assembly of M6 long nuts



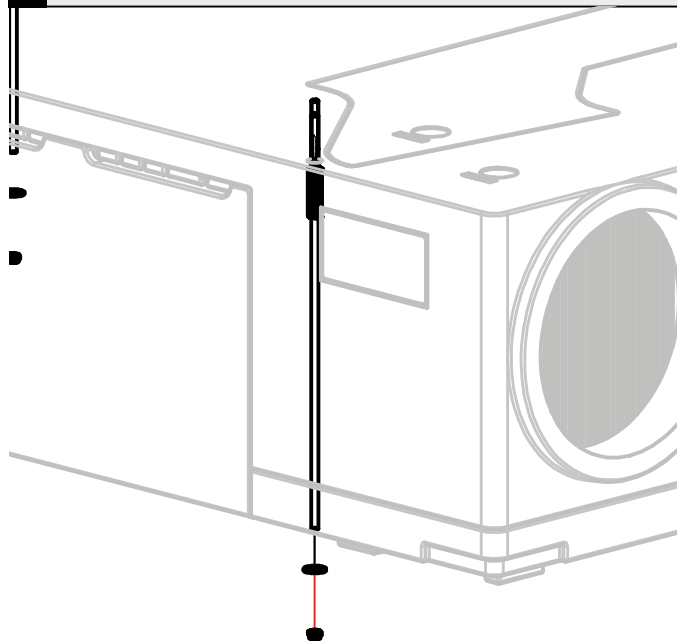
- **Screw** on the **M6** long nut to half of its length.

#### 5 Installation of threaded rods



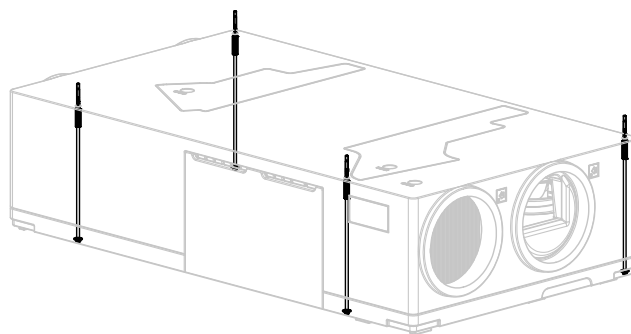
- **Screw** the threaded rods securely into the **M6** long nuts.

## 6 Mounting the heat recovery unit on the threaded rods



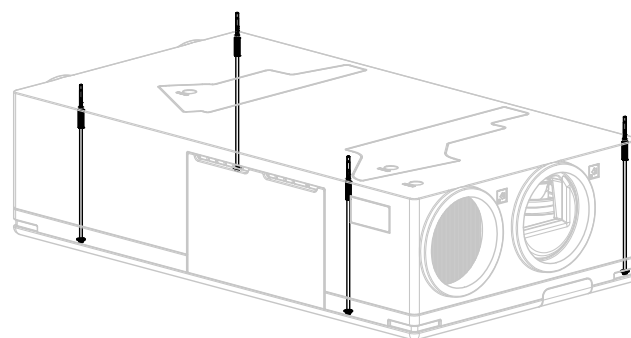
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** washers and nuts on the rods

## 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



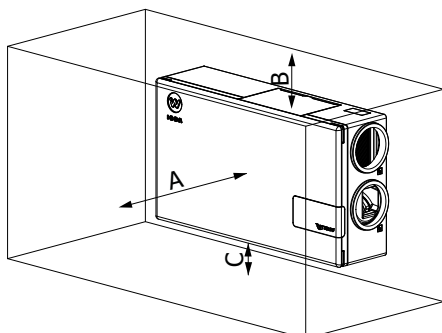
- ▶ When operation is complete, **place** the decorative cover on the mounting pins of the heat recovery unit.

## 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**

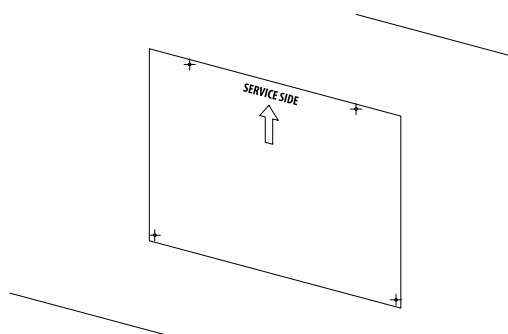
### 4.2.2 Installation of the heat recovery unit

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

#### ⚠ CAUTION

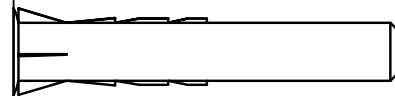
Remember to keep the "Mounting side" of the template facing in the correct direction.

#### 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



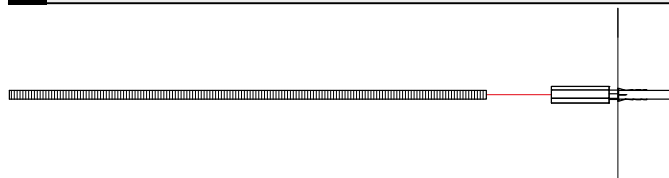
- **Screw** the threaded rods securely into the **M6** long nuts.

#### 4 Assembly of M6 long nuts



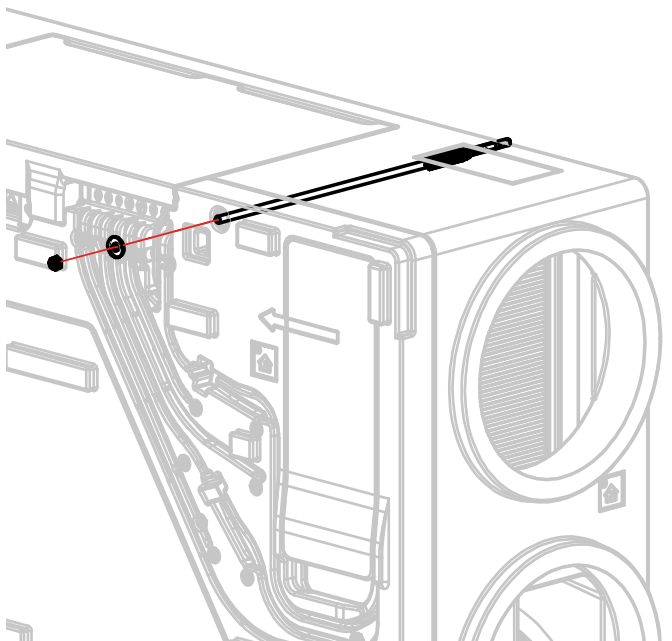
- **Screw** on the **M6** long nut to half of its length.

#### 5 Installation of threaded rods



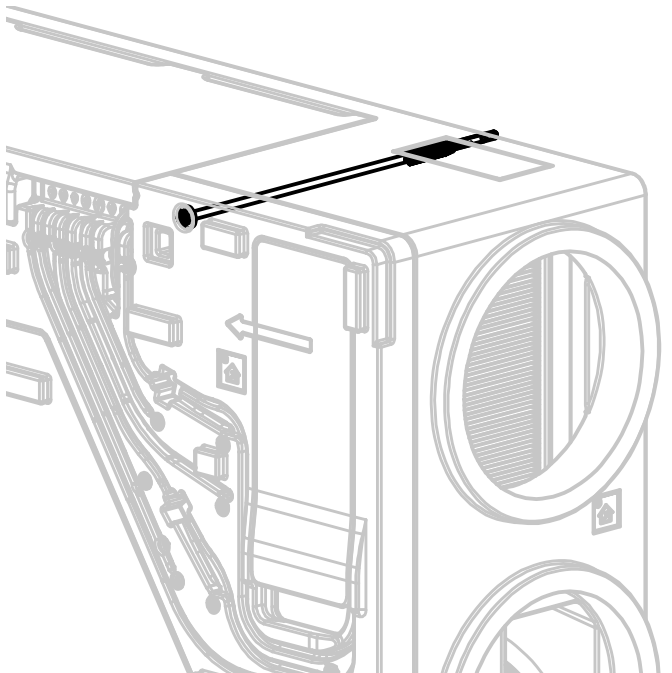
- **Screw** the threaded rods securely into the **M6** long nuts.

## 6 Mounting the heat recovery unit on the threaded rods



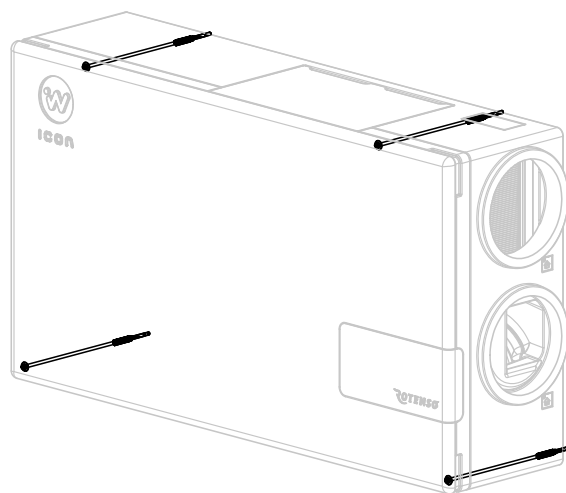
- ▶ **Slide** the threaded rods into the heat recovery units mounting holes.
- ▶ **Secure** the heat recovery unit by **putting** washers and nuts on the rods

## 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.