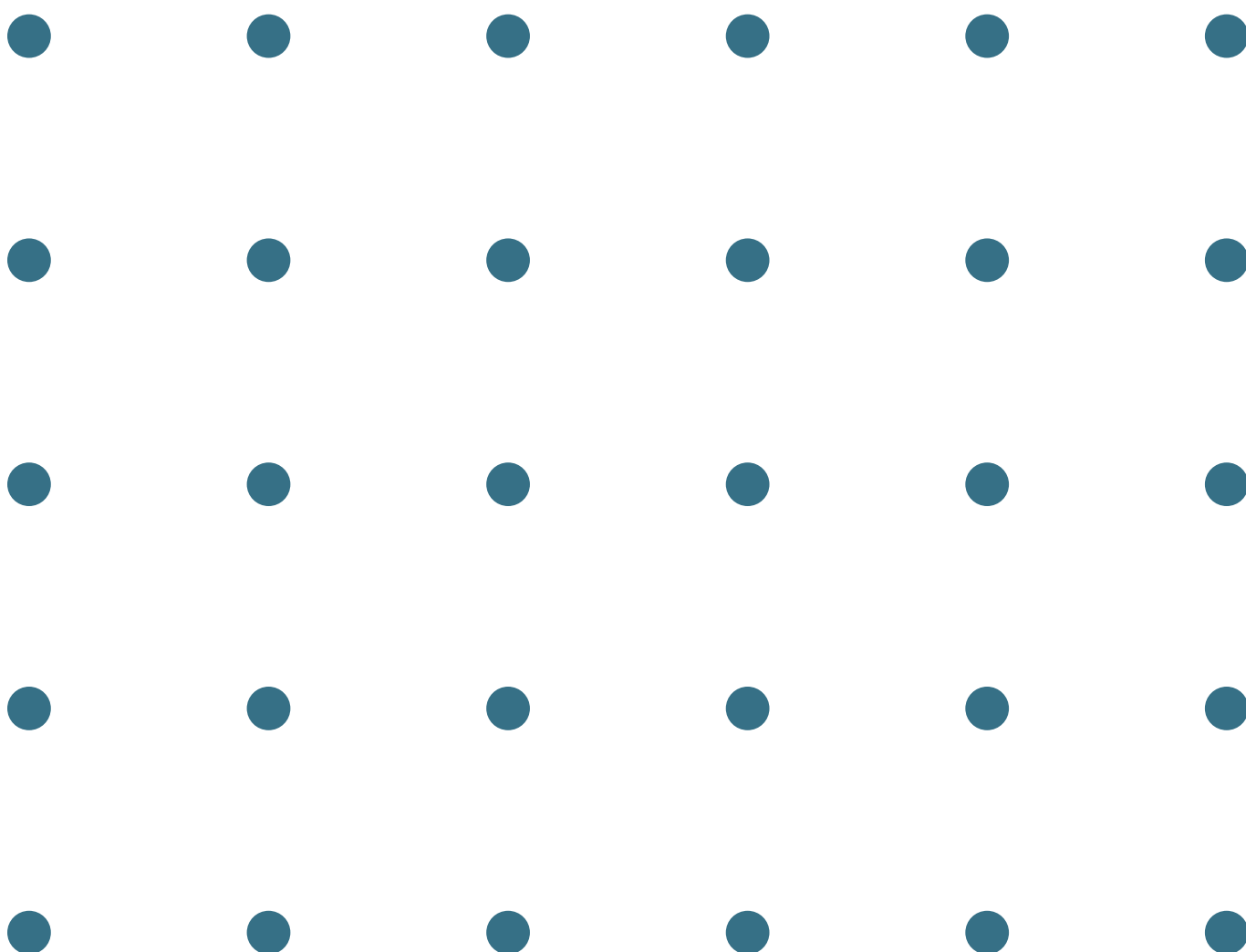


# Easy-Vent® FX

## Installation and Commissioning

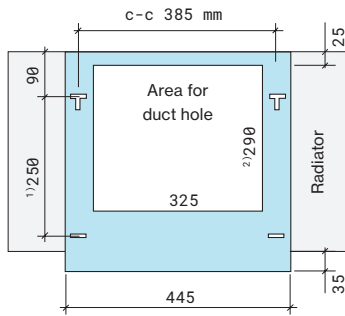


Easy-Vent FX is the air vent that provides your home with filtered and comfortably tempered fresh air. Quiet and comfortable. Easy-Vent FX also serves as a bracket for the radiator. The air vent fits most panel radiators.

# Dimensions

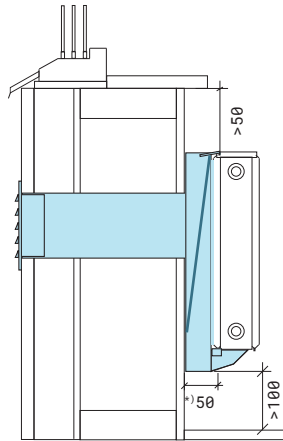
## Duct connection behind the radiator

### Easy-Vent FX D-B



For radiators with a height of 300 mm, the following applies:

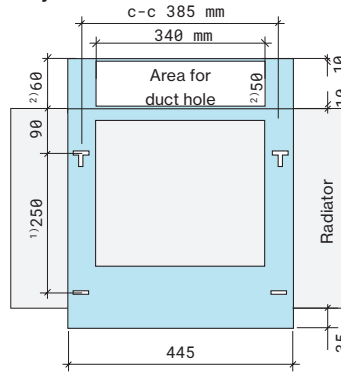
- <sup>1)</sup> 150
- <sup>2)</sup> 190



<sup>\*)</sup> Distance from wall to center of the first radiator panel

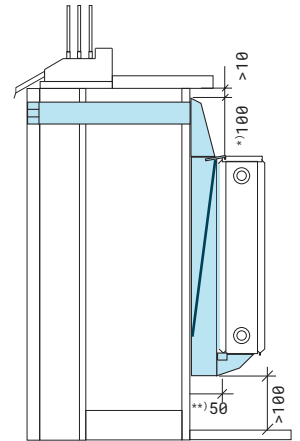
## Top duct connection

### Easy-Vent FX D-T



For radiators with a height of 300 mm, the following applies:

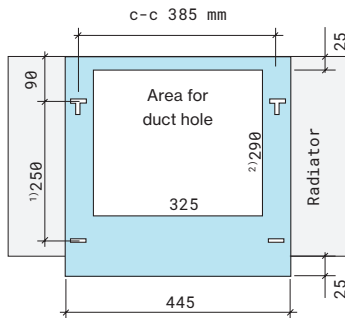
- <sup>1)</sup> 150
- <sup>2)</sup> The area for duct hole for top connection with a height of 100 mm is 340x85 mm



<sup>1)</sup> This applies to top connection 100. Top connection 60 extends 60 mm above the radiator.

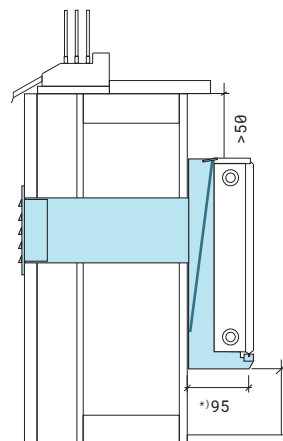
<sup>\*\*)</sup> Distance from wall to center of the first radiator panel

### Easy-Vent FX E-B



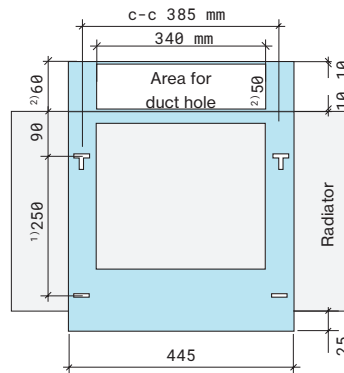
For radiators with a height of 300 mm, the following applies:

- <sup>1)</sup> 150
- <sup>2)</sup> 190



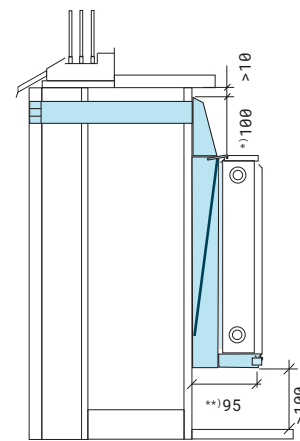
<sup>1)</sup> Distance from wall to center of the first radiator panel

### Easy-Vent FX E-T



For radiators with a height of 300 mm, the following applies:

- <sup>1)</sup> 150
- <sup>2)</sup> The area for duct hole is for top connection with a height of 100 mm: 340x85 mm

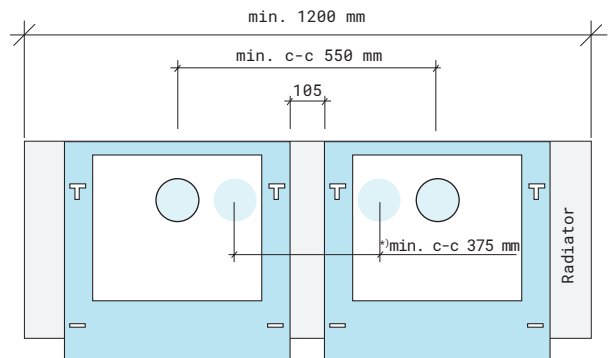


<sup>1)</sup> This applies to top connection 100. Top connection 60 extends 60 mm above the radiator

<sup>\*\*)</sup> Distance from wall to center of the radiator panel

## Multiple Easy-Vent FX units behind the same radiator

When using multiple vents behind the same radiator, the minimum center-to-center distance between the vents should be 550 mm, resulting in a 105 mm spacing between them. However, for both air vents to fit, the radiator must be at least 1200 mm long.

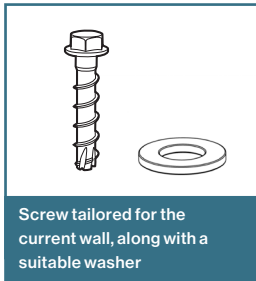
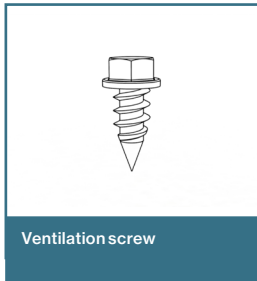


<sup>\*)</sup> This applies to duct hole with a diameter of Ø100-145 mm and if the holes are eccentrically positioned as shown in the above figure.

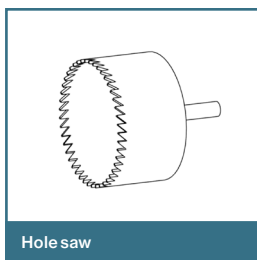
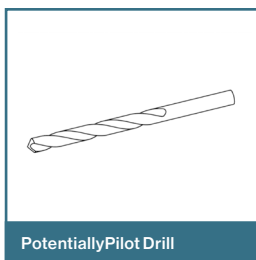
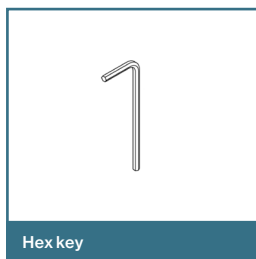
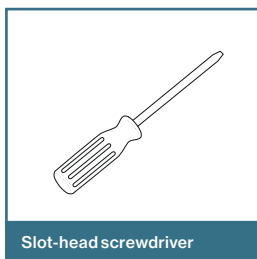
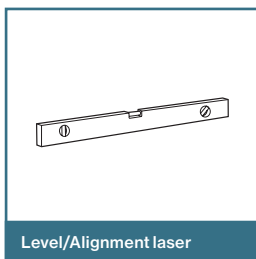
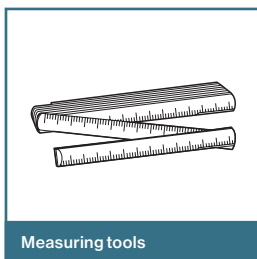
# Before you begin

## Fastening elements

Fastening elements not included in the delivery but required for assembly.

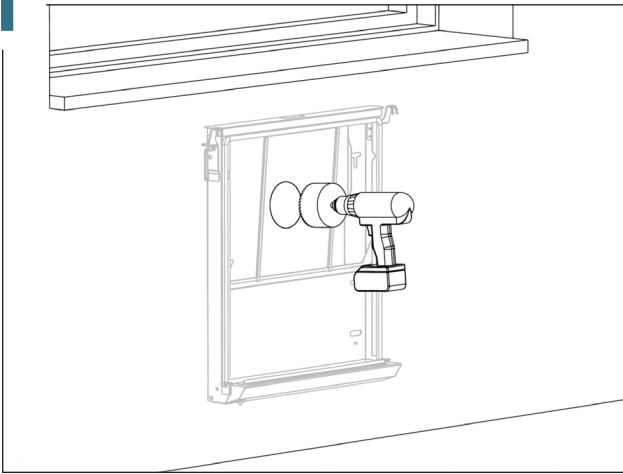


## Tools



# Installation instructions

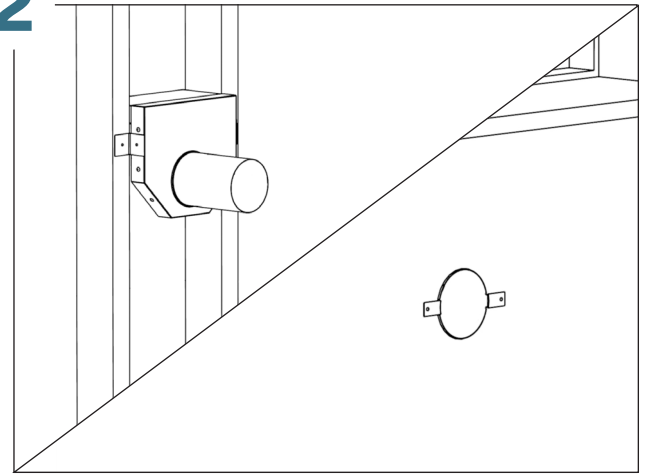
1



## Hole drilling (for finished wall)

Drill hole for a 100 mm duct. Pre-drill with a pilot drill at a 5-degree downward slope towards the facade.

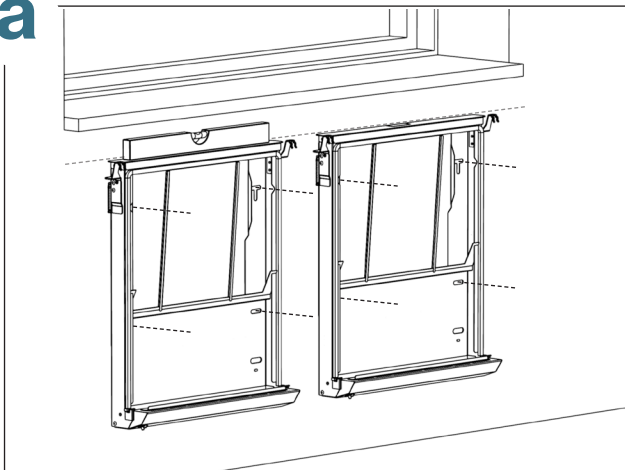
2



## Installation of ducts

Assemble duct sections with ventilation screws. Secure the duct with mounting brackets at the projected height.

3a



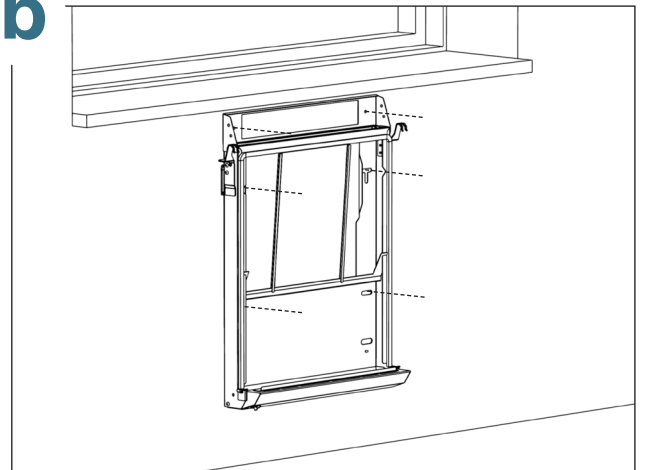
## Installation of air terminal devices

Fasten the Easy-Vent onto the wall using 4 screws and washers suitable for the specific wall type.

Ensure that the supply duct aligns with the opening on the back of the Easy-Vent/top connection. Verify that the Easy-Vent is level.

If multiple Easy-Vents are placed next to each other, ensure they are aligned.

3b



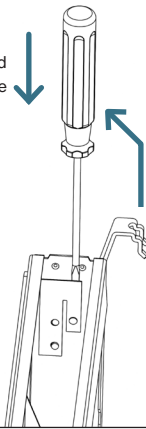
## Top connection

For Easy-Vent with top connection:

Attach the top connection to the air unit and secure it with two screws suitable for the specific wall type.

# 4

1. Insert the screwdriver between the fixture and the sheet metal until the locking pin no longer secures the hook

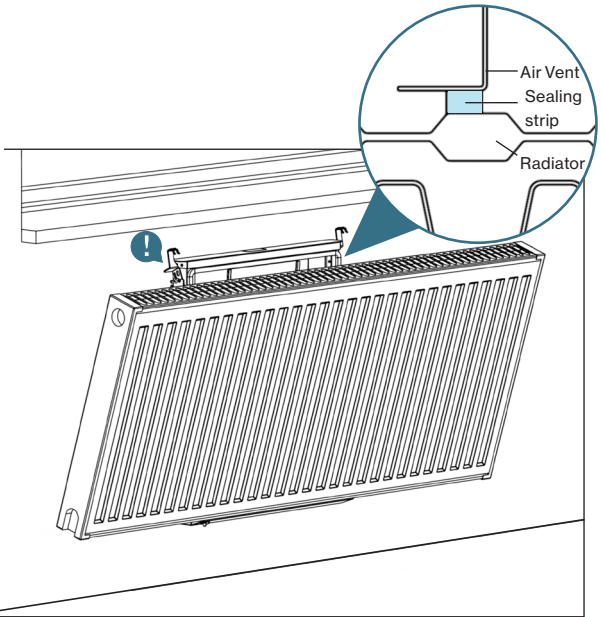


2. Lift the hook straight up and then diagonally towards the wall to reach the upright position.

### Push up the hooks

Release the locking pin with a slotted screwdriver and raise the hook to the upright position.

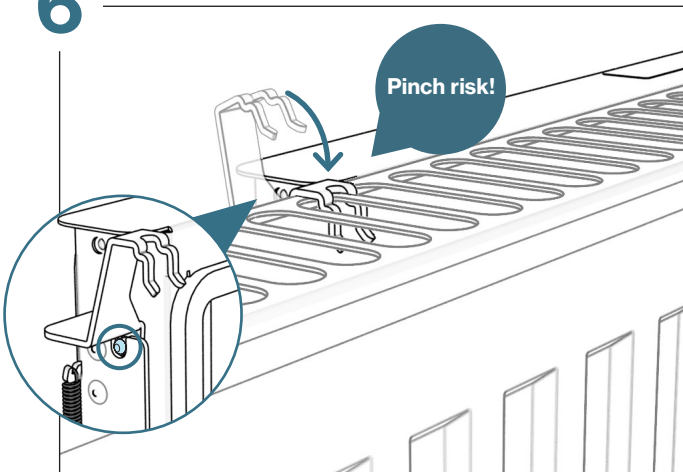
# 5



### Placement of radiator

The radiator is placed on the two plastic-covered radiator supports at the bottom of the vent. Align the radiator laterally to ensure a tight fit against the sealing strip of the air terminal device.

# 6



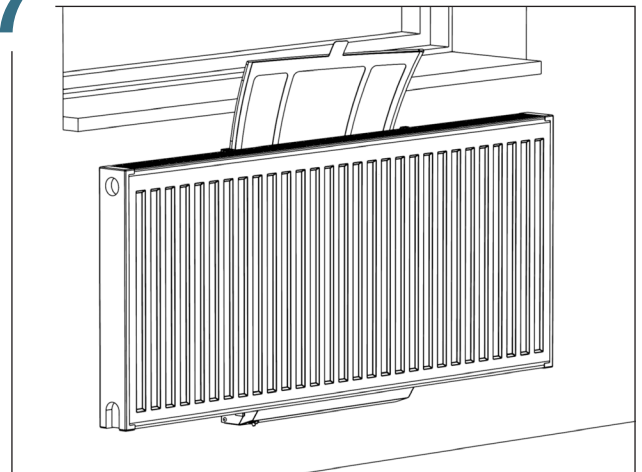
### Lock the radiator

The radiator is secured with the spring-loaded hooks at the top of the Easy-Vent. The top grille of the radiator does not need to be disassembled.

Move the hook towards you so that the spring pulls down the hook, locking the radiator. Verify that the locking pin engages in the bottom position.

Install the top cover.

# 7

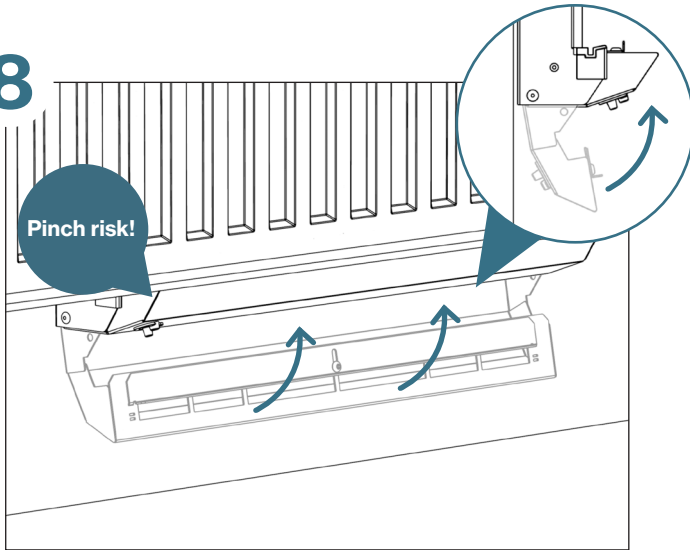


### Installation of filter

Insert the filter into the top opening. Ensure that the filter frame faces the room and that the filter tilts toward you. Fold the 'thumb grip' on the filter frame backward, away from you.

Reattach the top cover and press down to secure it in place.

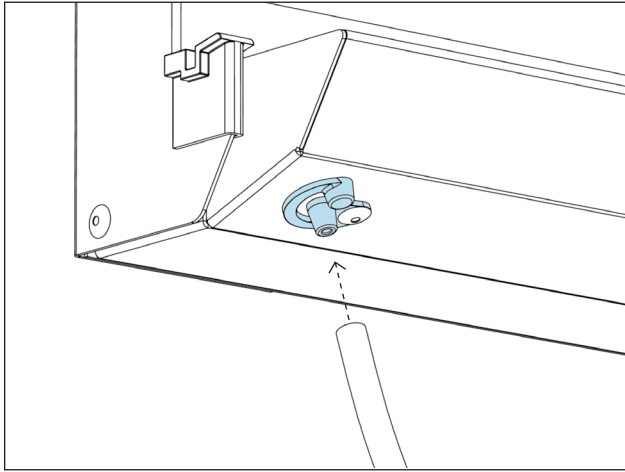
8



**Ejector position**

Verify that the ejector at the bottom of the vent is in the raised position.

# Commissioning



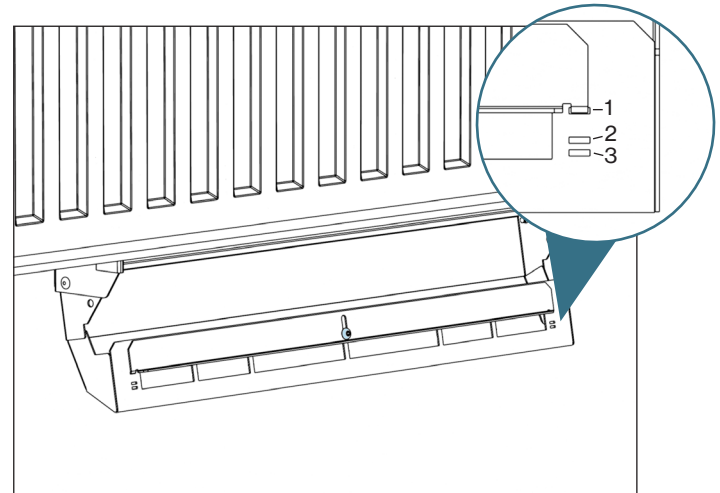
## Air measurement

Air pressure  $\Delta P_m$  (Pa) is measured at the measurement port located on the ejector of the air vent.

With the help of the damper position's K-factor, the airflow  $q$  (l/s) is then calculated using the formula below.

$$q \text{ (l/s)} = K \cdot \sqrt{\Delta P_m}$$

Damper position	K-Factor
1	6,4
2	3,0
3	1,9



## Damper position

The damper can be placed in three positions. To adjust the airflow loosen the Allen screw and move the damper to the desired pair of holes. Lock the damper by tightening the screw back.

