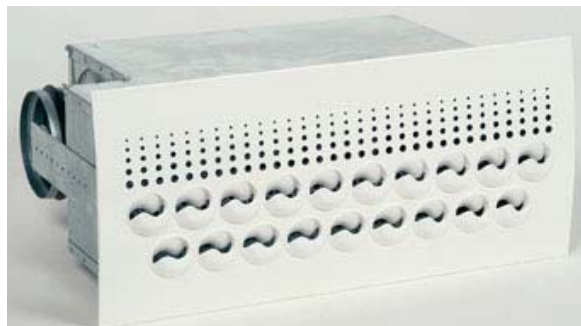


Sinus-B

Operation and maintenance instruction



Cleaning

The diffusers can be cleaned with lukewarm water and a mild detergent.

Distribution pattern

Turn the nozzles in order to adjust to different distribution patterns.

Mounting

Place the upper rim of the front plate in the upper metal edge of the plenum box. Bend the front plate carefully across the profile of the box and pull down the plate to the stop position.

Dismounting

Push up the front plate, then pull the lower part straight out. The damper is loosened by pulling it straight out.

K-factor Size	Supply air
Sinus-BR-100	5,7
Sinus-BR-125	5,8
Sinus-BR-160	16,4
Sinus-BR-200	25,6
Sinus-BS-100	5,7
Sinus-BS-125	8,5
Sinus-BS-160	16,4
Sinus-BS-200	25,6

Example

Formula given

$$q = k \cdot \sqrt{P_i}$$

Where

- q = airflow (l/s)
- k = K-factor
- P_i = adjustment pressure (Pa)

Using the formula to calculate airflow

Size	Sinus-BR-100
K-factor (from label)	5,4
Measured pressure	19 Pa

Entered into the equation:

$$q = 5,7 \cdot \sqrt{19} = 25 \text{ l/s}$$

Adjustment

Use the wire to adjust the damper until the required airflow is reached acc. to formula.

Note! Tighten the screw on the wire to fix the setting