

# THOR

## Installation instructions



## K-factor

K-factor size	Supply air
THOR-100-125	5,3
THOR-125-160	9,2
THOR-160-200	15,9
THOR-200-250	26
THOR-250-315	41,7
THOR-315-400	71,9

## Cleaning

Remove the damper by pulling it straight out. The thread mechanism, if not rotated, will keep the damper adjustment fixed during the cleaning.

The K-factors for supply air applies for combination with all Systemair diffusers. Correct adjustment for supply air requires a straight path, 4 × the duct diameter before the THOR plenum box.

## Example

### Formula given

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

Where:            q = airflow (l/s)  
                       k = K-factor  
                       P<sub>i</sub> = adjustment pressure (Pa)

### Using the formula to calculate airflow

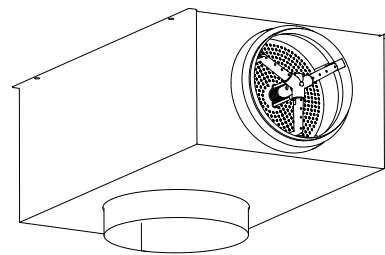
Size:                                    THOR-100-125  
 Required airflow:                    25 litres per second  
 K-factor (from label):              5,3  
 Measured pressure:                22 Pa

Entered in the equation:

$$q = 5,3 \cdot \sqrt{22} = 25 \text{ l/s}$$

### Adjustment

Rotate the bowden to adjust the damper until the required airflow is reached acc. to formula.



### Supply air

Measure the adjustment pressure using the two transparent hoses.