



Handbook

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## **TEF-S**

### **Residential Supply Diffuser**



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## Description

TEF-S is an air valve. The product can be used for both air supply and extract. The product is installed into circular ducts. The field of application is offices, hotels, residential rooms etc.

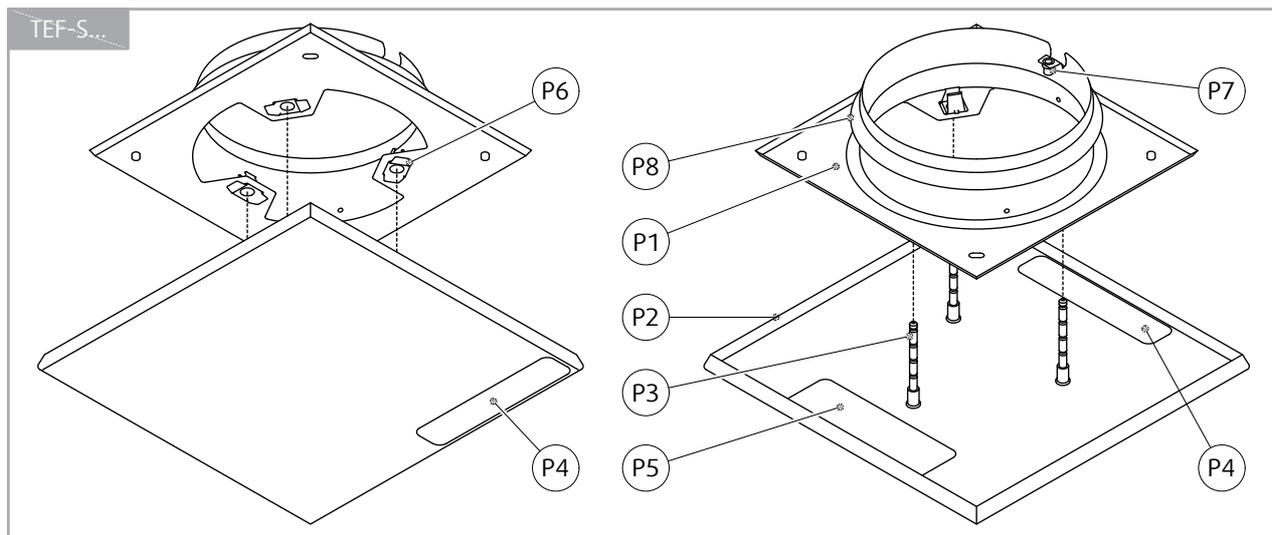
### Highlights

- Compact design
- Non-disturbant aesthetic form

## Design

TEF-S is manufactured from galvanized steel. The product consists of a valve housing, a duct connection with a rubber gasket and an adjustable front panel. The gap between the front plate and the valve housing can be adjusted to set the required air flow volume. The front panel is powder painted to RAL9003 (signal white) as standard. Other RAL colours are available upon request.

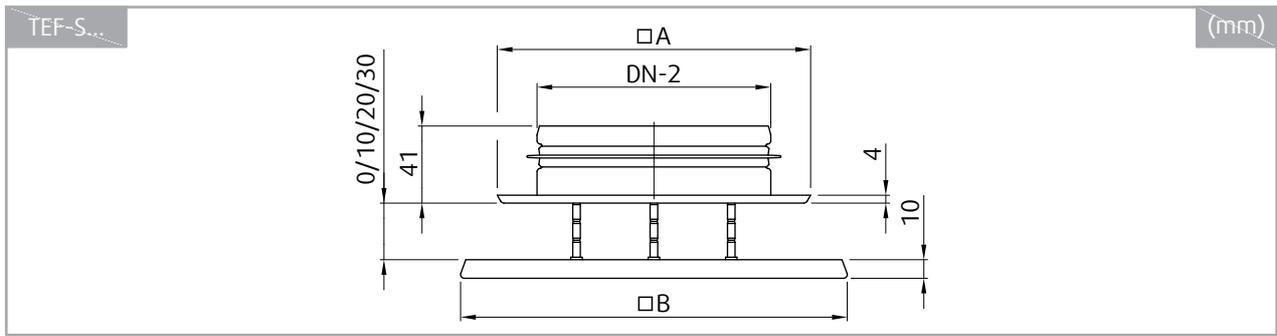
## Product parts



### Legend

- P1 - Valve housing
- P2 - Front panel
- P3 - Pin
- P4 - k-factor label
- P5 - Product label
- P6 - Clip anchor
- P7 - Measurement pin
- P8 - Duct connection

# Dimensions & Weights



DN	$\square A$	$\square B$	m
	mm		kg
100	140	179	0,4
125	165	204	0,5
160	200	229	0,6
200	240	254	0,8

# Ordering Codes

TEF-S

## Size - inlet mm

100

125

160

200

## Surface finish

**SW** Signal white (RAL9003, gloss 30%)

**RALXXXX** Other RAL colour

## Example of the Ordering Code

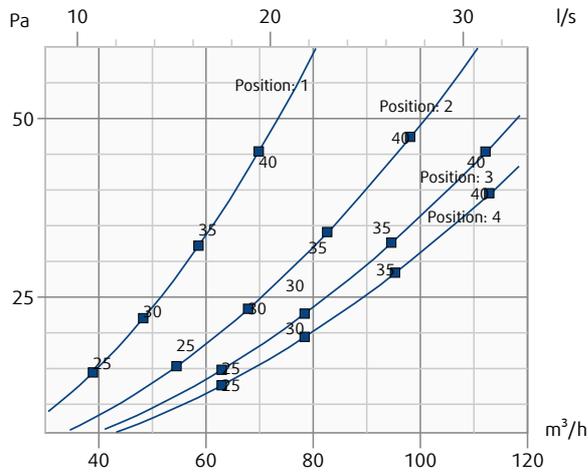
TEF-S-200-SW

TEF-S air valve, inlet size 200 mm, in signal white colour (RAL 9003)

# Technical Parameters

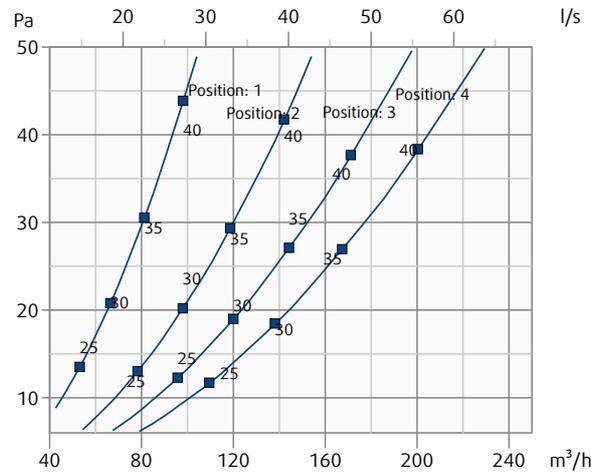
## TEF-S-100-SW

Pressure drop & A-weighted sound pressure level (10 m<sup>2</sup> room absorption, dB(A))



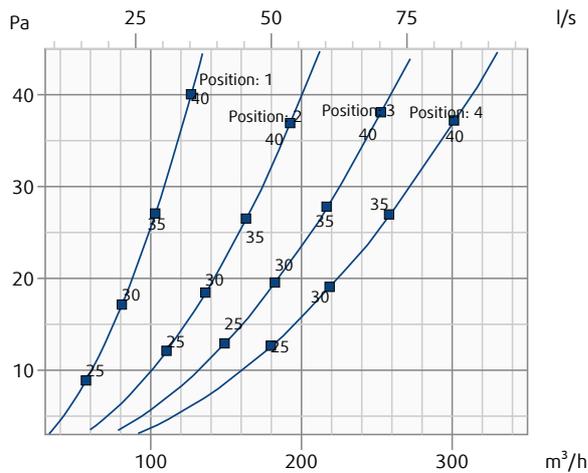
## TEF-S-125-SW

Pressure drop & A-weighted sound pressure level (10 m<sup>2</sup> room absorption, dB(A))



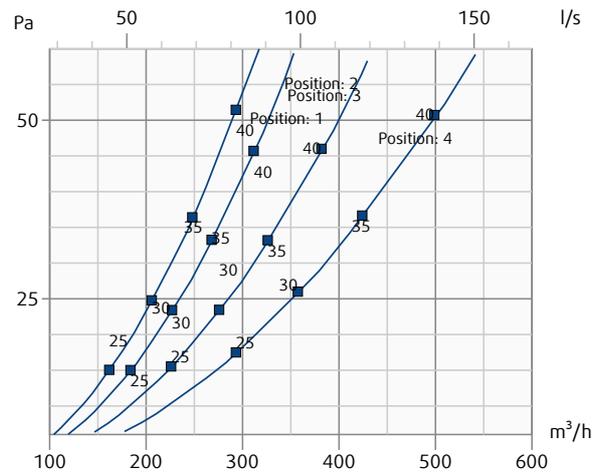
## TEF-S-160-SW

Pressure drop & A-weighted sound pressure level (10 m<sup>2</sup> room absorption, dB(A))

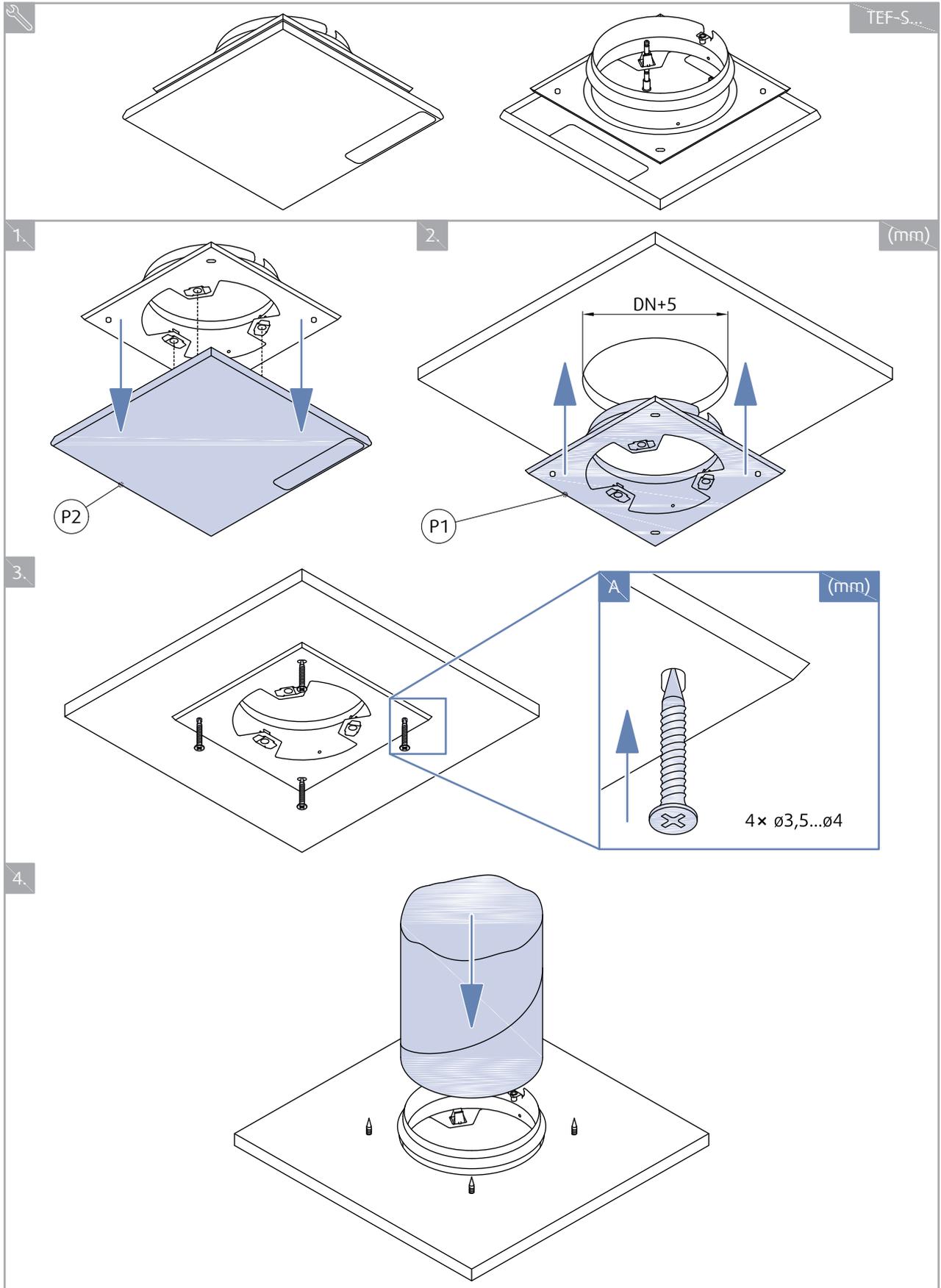


## TEF-S-200-SW

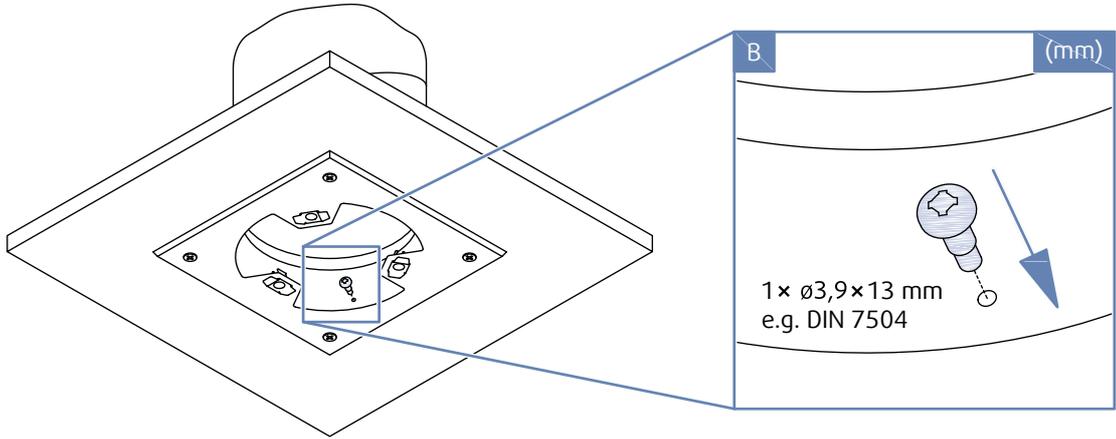
Pressure drop & A-weighted sound pressure level (10 m<sup>2</sup> room absorption, dB(A))



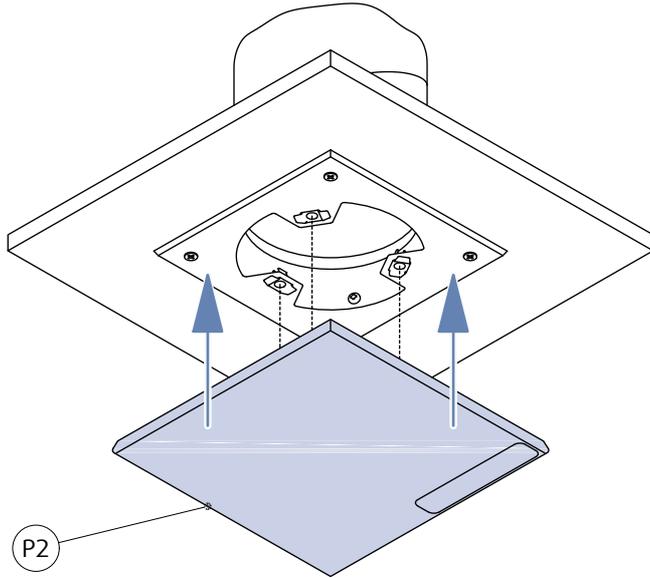
# Installation



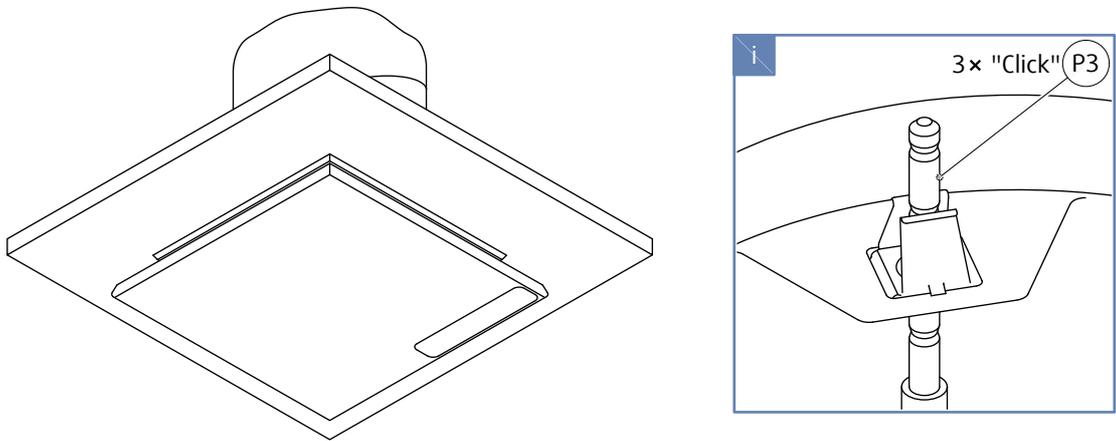
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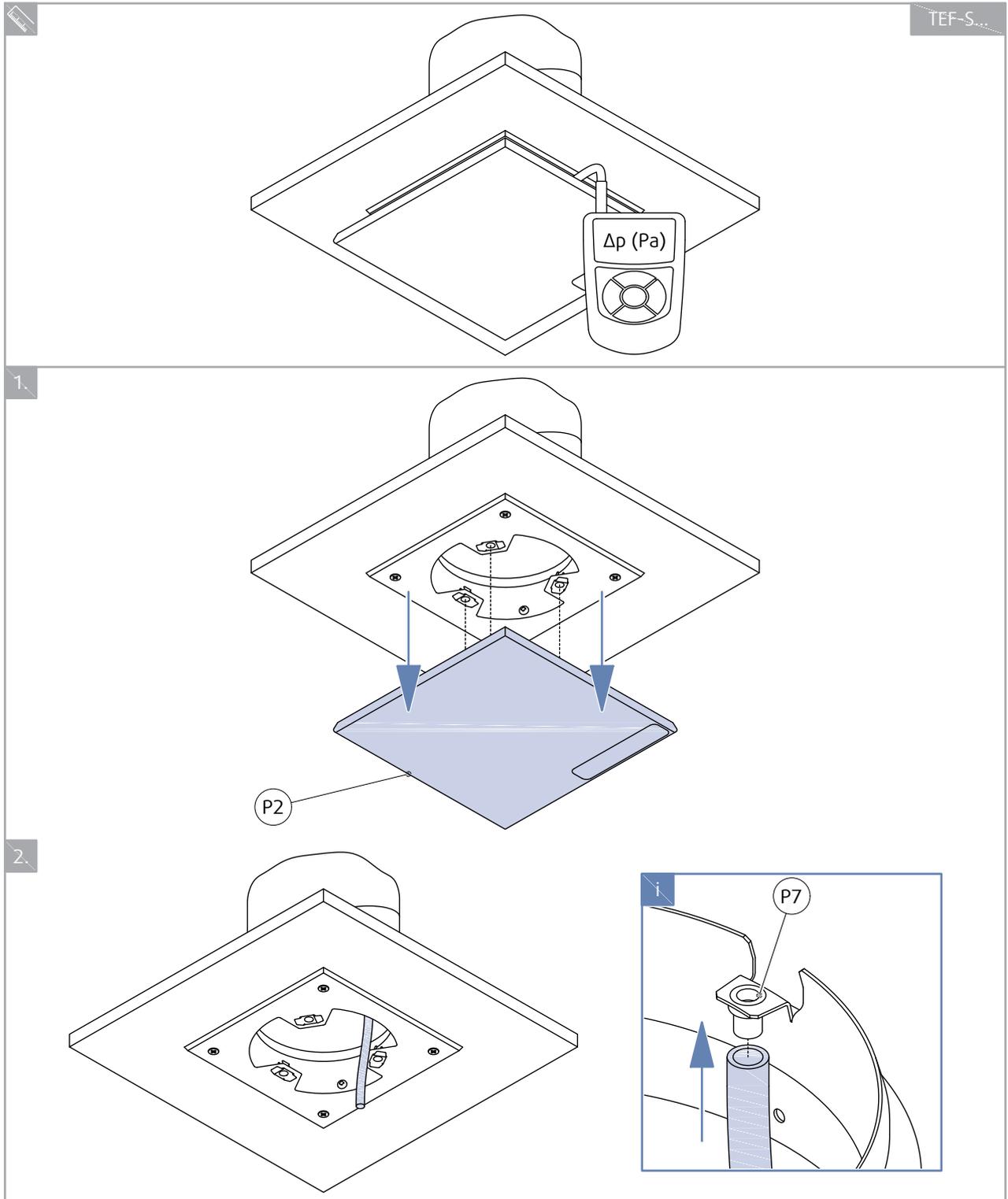
6.



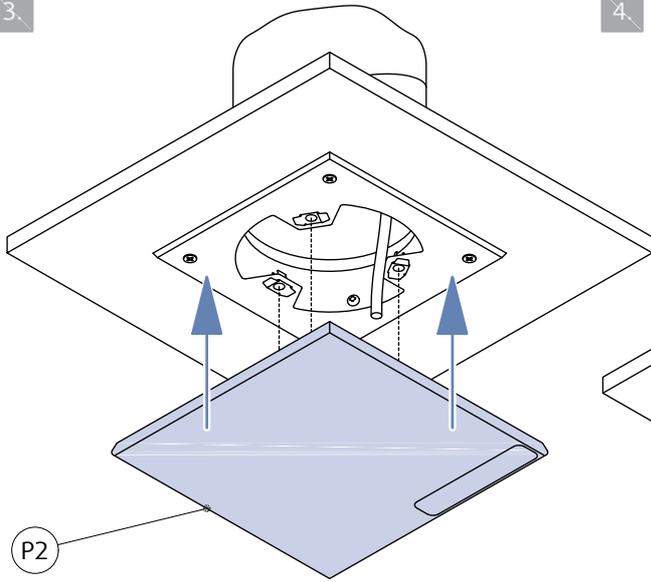
✓



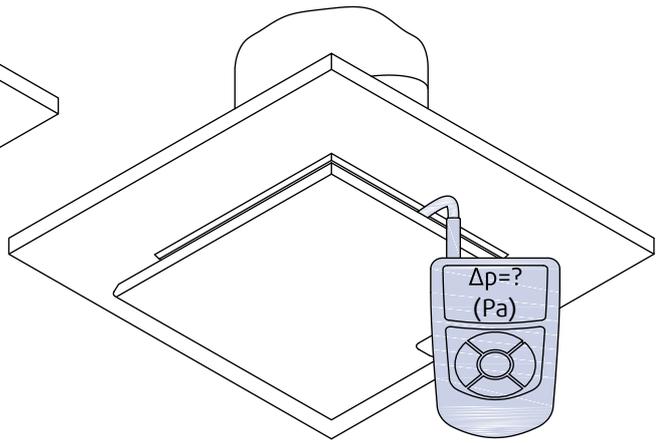
# Measurement



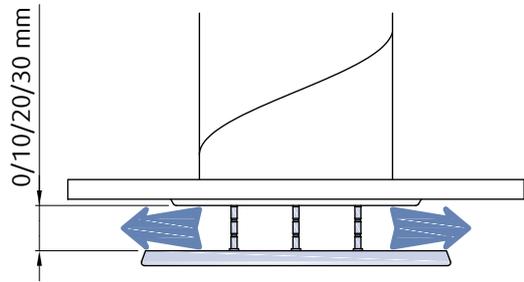
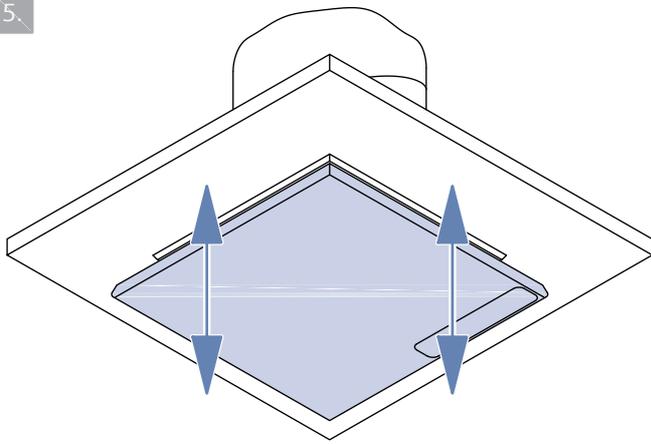
3.



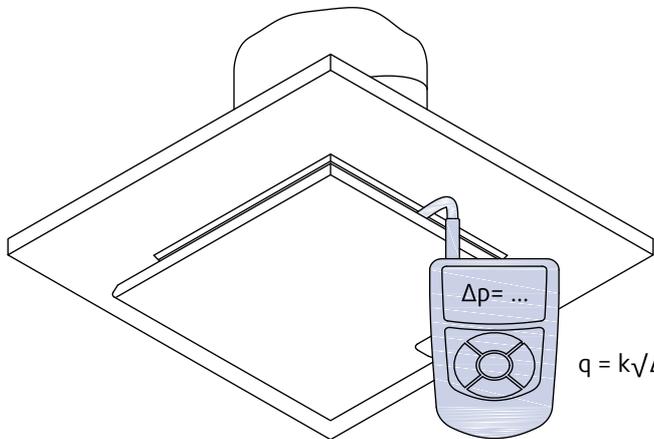
4.



5.

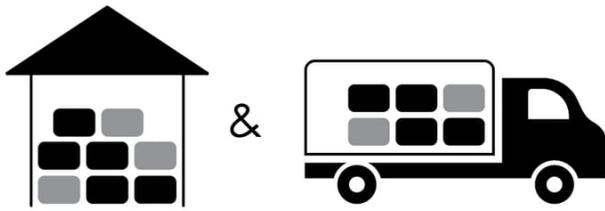


✓



$q = k\sqrt{\Delta p} \text{ (Pa)}$

# Transport, Storage and Operation



 °C -40 °C ... +50 °C

 % ≤ 95%



 °C -20 °C ... +70 °C

 % ≤ 95%

## Supplement

Any deviations from the technical specifications contained herein and the terms should be discussed with the manufacturer. We reserve the right to make any changes to the product without prior notice, provided that these changes do not affect the quality of the product and the required parameters. Current information on all products is available on [design.systemair.com](http://design.systemair.com).



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