

## Use

- For horizontal or vertical installation in timber, PVC or aluminium windows, in the wall connection joint

## Function

- The AEROMAT flex is a passive facade ventilator for the ventilation of closed rooms that works by equalising pressure between indoor and outdoor air (pressure differential principle).
- AEROMAT flex HY / AEROMAT flex HY 3F: the supply air opening is regulated by the relative humidity. Multilayer fabric belts react to any changes in the relative humidity by expanding or contracting. This movement changes the supply air inlet via a control mechanism.
- During installation, ensure that the air passages are kept free so that the ventilator/fan/blower will be able to fulfil its function

## Unit properties

	AEROMAT		
	flex HY 3F	flex HY	flex
<b>Humidity control</b>	✓	✓	—
<b>Rotary switch</b>	✓	—	✓
<b>H:</b> Control based on the air humidity	✓	—	—
<b>1:</b> closure locked whilst maintaining the minimum ventilation	✓	—	✓
<b>2:</b> locking mechanism of the maximum air flow rate	✓	—	✓

- Optional accessories:
  - Extension canal set for deeper profiles
  - Sound insulation module
  - Reveal extension

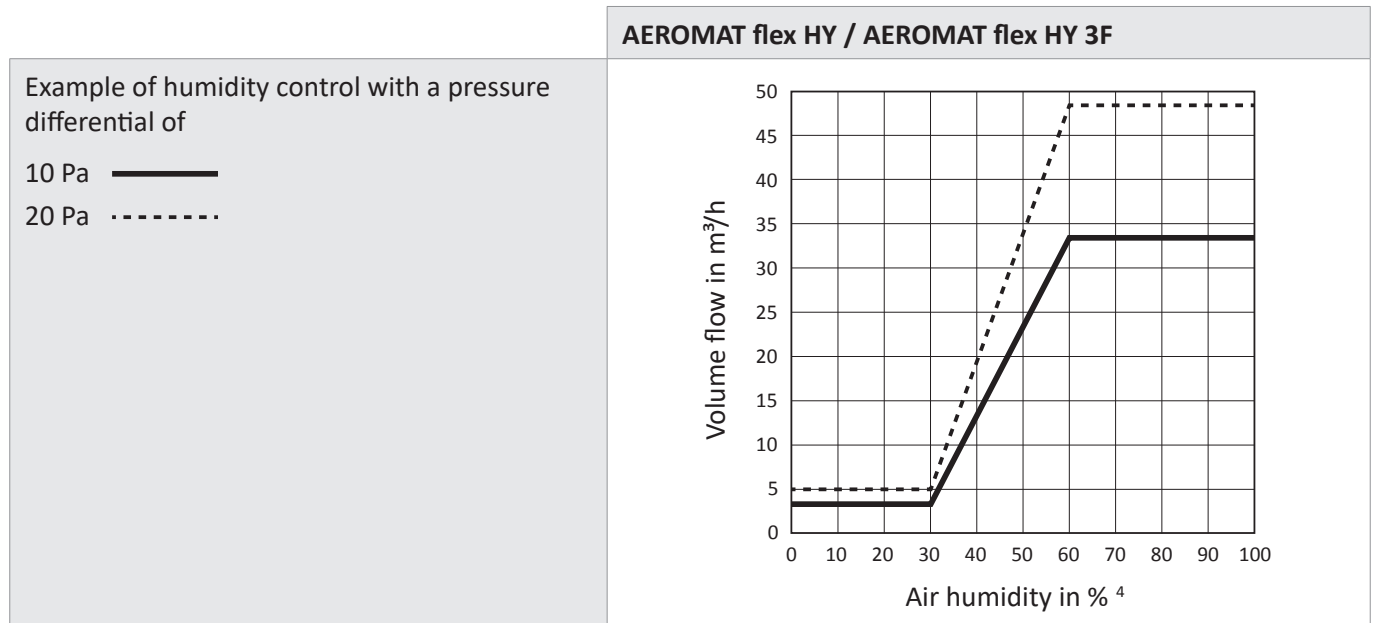
**Technical specifications**

	AEROMAT flex / AEROMAT flex HY / AEROMAT flex HY 3F			
<b>Air throughput <sup>1</sup></b>				
at 2 Pa	1–14 m <sup>3</sup> /h			
at 4 Pa	2–20 m <sup>3</sup> /h			
at 5 Pa	2–23 m <sup>3</sup> /h			
at 7 Pa	3–28 m <sup>3</sup> /h			
at 8 Pa	3–30 m <sup>3</sup> /h			
at 10 Pa	3–33 m <sup>3</sup> /h			
at 20 Pa	5–48 m <sup>3</sup> /h			
<b>Number of extension canal sets</b>	0		1	2
<b>Canal depth</b>	90 mm	125 mm	180 mm	235 mm
<b>Sound absorption <math>D_{n,e,w}^{2,3}</math> (up to)</b>				
with 0 sound insulation modules	36 dB	41 dB	41 dB	42 dB
with 1 sound insulation module	41 dB	47 dB	48 dB	50 dB
with 2 sound insulation modules	43 dB	49 dB	50 dB	52 dB
with 3 sound insulation modules	45 dB	51 dB	53 dB	55 dB

<sup>1)</sup> measured in accordance with DIN EN 13141-1

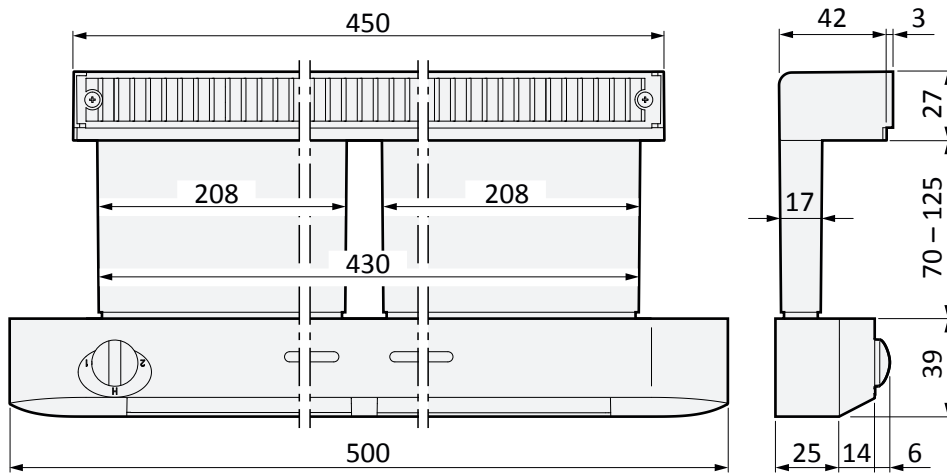
<sup>2)</sup> measured in accordance with DIN EN 10140-2

<sup>3)</sup> The sound absorption reduces itself in accordance with shorter lengths of the telescopic canal.

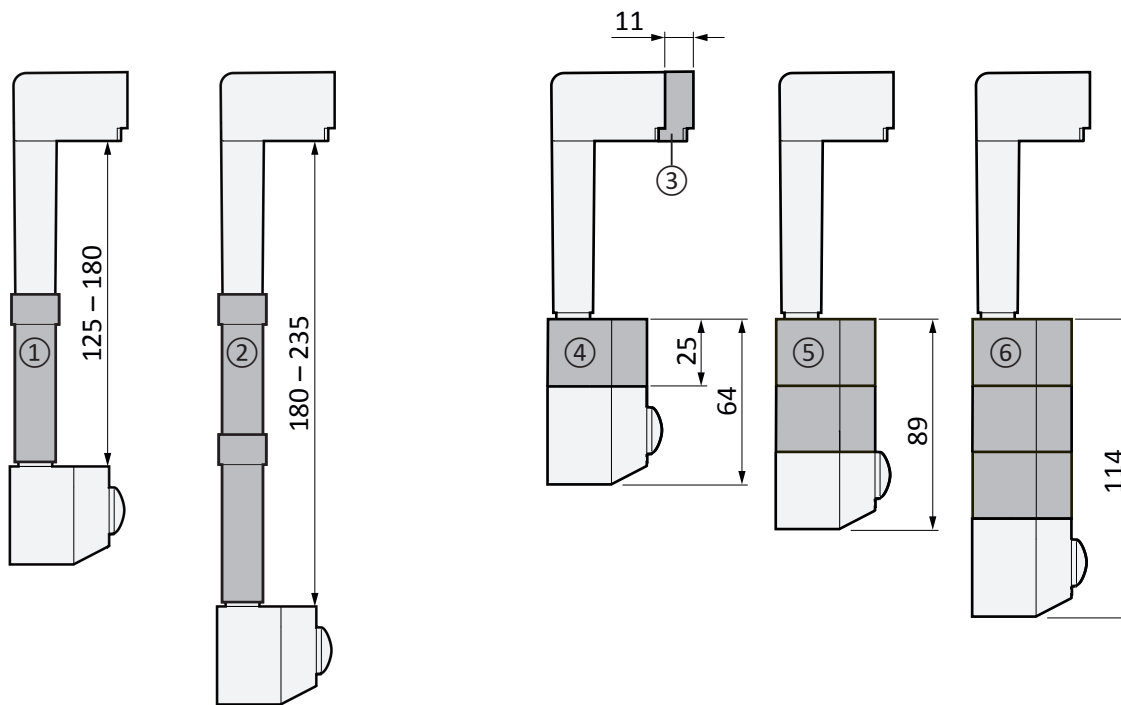


<sup>4)</sup> The measurement tolerance of the air humidity is ± 5 %

Dimensions AEROMAT flex



Dimensions of accessories



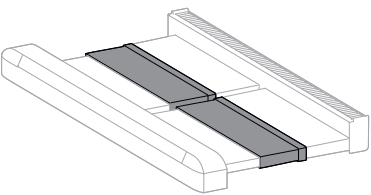
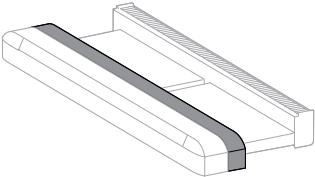
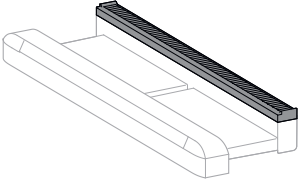
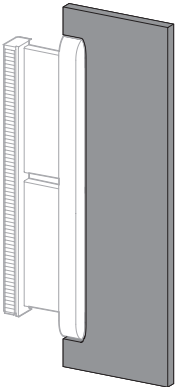
Item	VE
①	1x extension canal set
②	2x extension canal set
③	1x reveal extension
④	1x sound insulation module
⑤	2x sound insulation module
⑥	3x sound insulation module

Dimensions in millimetres (mm)

## Ordering information

Material description		Colour	VE	Material number
AEROMAT flex HY 3F	without sound insulation module	white (similar to RAL 9016)	5 piece	L4281000-004120
AEROMAT flex HY	without sound insulation module	white (similar to RAL 9016)	5 piece	L4281100-004120
AEROMAT flex	without sound insulation module	white (similar to RAL 9016)	5 piece	L4281200-004120

## Accessories

	Material description	Colour	VE	Material number
	Extension canal set	white (similar to RAL 9016)	5 piece	L4281400-004120
	Sound insulation module*	white (similar to RAL 9016)	5 piece	L4281300-004120
	Reveal extension	white (similar to RAL 9016)	10 piece	L4281410-004020
	Plastering strip	–	5 piece	L4281500-004120

\*max. 3 pieces per unit