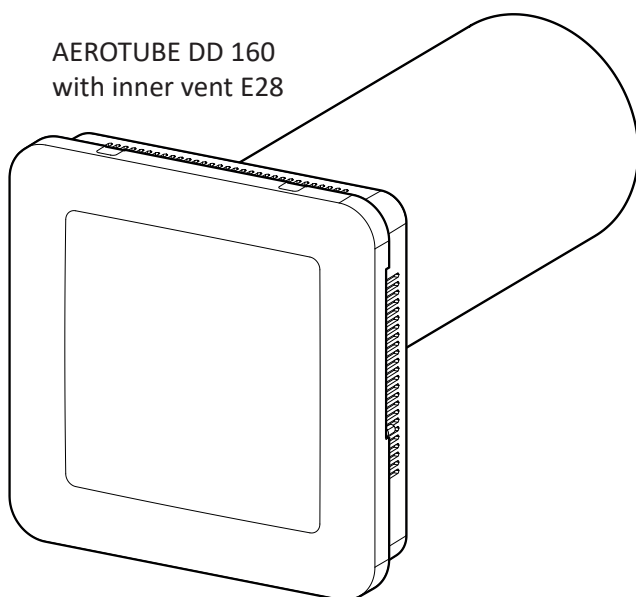
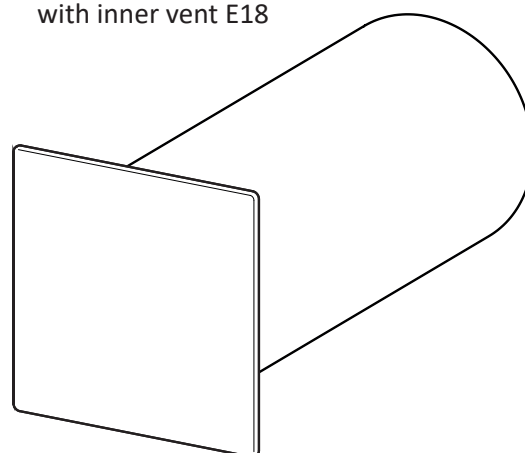


AEROTUBE DD 160  
with inner vent E28



AEROTUBE DD 160  
with inner vent E18



## Application

- The AEROTUBE DD 160 is a passive air ventilator for installation in exterior walls.
- Suitable for:
  - New buildings and renovations
  - For houses, apartment buildings, and office buildings
  - For wall thicknesses up to 500 mm
  - With sound absorption pipe especially suitable for living rooms and bedrooms

## Unit properties

- Passive air ventilator for supply of fresh air with filter ISO coarse 30 %.
- The room is ventilated as the indoor and outdoor air pressures are equalised (pressure differential).
- Inner vent E28
  - Comfort is enhanced by the specially designed outflow openings as well as the continuous slider
  - Closed vent base, therefore optimised air mixture laterally and upwards with the existing warm indoor air
- Inner vent E18
  - Individual adjustment of outflow opening between tilt position, parallel action gap and locking position
  - Unobtrusive design due to smaller dimensions

## Technical specifications

**Date table AEROTUBE DD 160**

Weather grille		Stainless steel weather grille hood					
Inner panel		E18 7.5 mm tilt gap		E18 7.5 mm parallel-action gap		E28 open	
Pipe length		340 mm	270 mm	340 mm	270 mm	340 mm	270 mm
Air throughput (without SK*)	at 2 Pa	4 m <sup>3</sup> /h	4 m <sup>3</sup> /h	8 m <sup>3</sup> /h	8 m <sup>3</sup> /h	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h
	at 4 Pa	6 m <sup>3</sup> /h	6 m <sup>3</sup> /h	12 m <sup>3</sup> /h	12 m <sup>3</sup> /h	20 m <sup>3</sup> /h	20 m <sup>3</sup> /h
	at 8 Pa	9 m <sup>3</sup> /h	9 m <sup>3</sup> /h	18 m <sup>3</sup> /h	18 m <sup>3</sup> /h	30 m <sup>3</sup> /h	30 m <sup>3</sup> /h
	at 10 Pa	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h	22 m <sup>3</sup> /h	22 m <sup>3</sup> /h	31 m <sup>3</sup> /h	31 m <sup>3</sup> /h
	at 20 Pa	15 m <sup>3</sup> /h	15 m <sup>3</sup> /h	32 m <sup>3</sup> /h	32 m <sup>3</sup> /h	49 m <sup>3</sup> /h	49 m <sup>3</sup> /h
Sound absorption D <sub>n,e,w</sub> (measured according to DIN EN 10140-2)	without SK*	57 dB	53 dB	54 dB	50 dB	54 dB	50 dB
	SK2*	62 dB	56 dB	59 dB	53 dB	59 dB	53 dB
	SK3*	63 dB	57 dB	60 dB	54 dB	60 dB	54 dB
	SK4*	65 dB	59 dB	62 dB	56 dB	62 dB	56 dB

Weather grille		PVC weather grille					
Inner panel		E18 7.5 mm tilt gap		E18 7.5 mm parallel-action gap		E28 open	
Pipe length		340 mm	270 mm	340 mm	270 mm	340 mm	270 mm
Air throughput (without SK*)	at 2 Pa	7 m <sup>3</sup> /h	7 m <sup>3</sup> /h	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h
	at 4 Pa	9 m <sup>3</sup> /h	9 m <sup>3</sup> /h	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h	19 m <sup>3</sup> /h	19 m <sup>3</sup> /h
	at 8 Pa	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h	21 m <sup>3</sup> /h	21 m <sup>3</sup> /h	29 m <sup>3</sup> /h	29 m <sup>3</sup> /h
	at 10 Pa	16 m <sup>3</sup> /h	16 m <sup>3</sup> /h	25 m <sup>3</sup> /h	25 m <sup>3</sup> /h	33 m <sup>3</sup> /h	33 m <sup>3</sup> /h
	at 20 Pa	21 m <sup>3</sup> /h	21 m <sup>3</sup> /h	34 m <sup>3</sup> /h	34 m <sup>3</sup> /h	53 m <sup>3</sup> /h	53 m <sup>3</sup> /h
Sound absorption D <sub>n,e,w</sub> (measured according to DIN EN 10140-2)	without SK*	54 dB	52 dB	51 dB	49 dB	51 dB	49 dB
	SK2*	59 dB	56 dB	56 dB	53 dB	56 dB	53 dB
	SK3*	60 dB	57 dB	57 dB	54 dB	57 dB	54 dB
	SK4*	61 dB	58 dB	58 dB	55 dB	58 dB	55 dB

\* SK = Sound insulation element

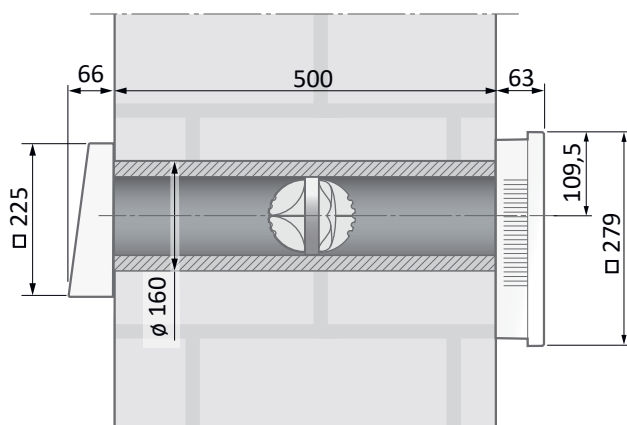
Further combination possibilities on request.

Dimensions



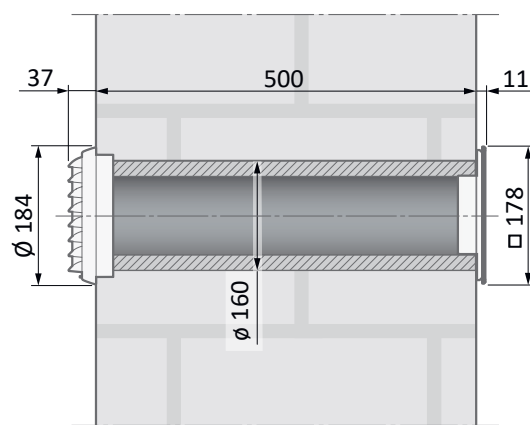
All the dimensions in this documentation are specified in millimetres (mm).

**AEROTUBE DD 160**  
with inner vent E28 and weather grille protection hood





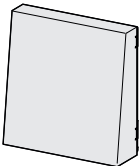



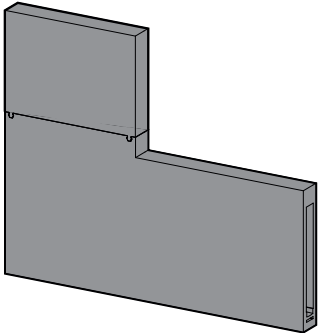
*Illustration example  
(with optional wind pressure barrier)*

**AEROTUBE DD 160**  
with inner vent E18 and PVC weather grille D 160



*Illustration example*

**Spare parts and accessories**

Material description	Material number	Contents	
Replacement filter for E28	L3470160-093110	2x Filter ISO coarse 30 %	
Replacement filter for E18	L3470150-093110	2x Filter ISO coarse 30 %	
Stainless steel weather grille hood	L5477020-000010	1x stainless steel weather grille hood	
PVC weather grille	L3470170-002010	1x PVC weather grille D 160	
Sound insulation element (SK) (Sound absorption $D_{n,e,w}$ up to 65 dB)	L5473800-096010	1x sound insulation element	
Vent duct EPP (Sound absorption $D_{n,e,w}$ up to 71 dB)	For detailed information, see technical data sheet: <a href="https://siegenia.com/service/doc/H40.WANS017">siegenia.com/service/doc/H40.WANS017</a> 		

\*Sound absorption  $D_{n,e,w}$  up to 75 dB, with combination of vent duct EPP and sound insulation elements (SK)