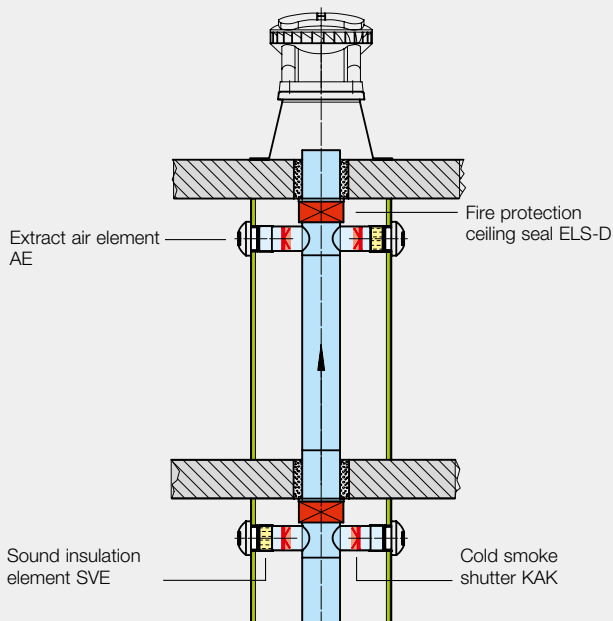


Selection

Extract air elements only fulfil the required function optimally when they are matched to the task. The following table should help you make the right choice of elements depending on the type of room and function. There is a choice of elements with constant volume flow, with and without demand-controlled ventilation, with time, motion or humidity controls.

Bathroom		WC		Kitchen	
Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Volume flow stabilisation, self-regulating					
AE 45*	02031	AE 30*	02030	AE 75*	02033
Two volume flows, (demand-controlled and basic ventilation), volume flow stabilisation, self-regul.					
AE GB 20/75*	02036	AE GB 15/30*	02035	AE GB 45/120*	02038
With electr. time control and two volume flows (without volume flow stabilisation)					
AE GBE 30/60*	02047	AE GBE 15/30*	02044	AE GBE 45/120*	02048
With motion sensor, electr. time control and two volume flows					
		AE B 15/30*	02055	(without volume flow stabilisation)	
Humidity-controlled with variable, limited volume flow					
AE Hygro 10/45*	02049				
Humidity-controlled with electrically controlled demand-controlled ventilation level					
AE Hygro GBE 5/40/75*	02053			AE Hygro GBE 10/45/120*	02054
With filter and volume adjustment					
AE FV 125	09478			AE FV 125	09478

* Volume flow in m³/h



Acoustic data for extract air elements in series AE

The following noise data is relevant for the extract air elements:

- Sound power with permanent throughflow (L_w in dB (A))
- Sound insulation between duct system and room to be ventilated ($D_{n,e}$ in dB (A)).

This noise data is specified in the respective type table. It has been measured according to standard EN 13141. The sound insulation value can be increased by using duct silencers "AESD" or "AESE" (accessories). These are positioned and easily inserted downstream of the extract air element. Cross talk silencers (p. 579) are available for further noise reduction.

AE



Advantages

- Constant volume flow between 40 and 160 Pa.
- No need for system adjustment or calibration.
- Attractive design.
- High-quality construction in aerodynamic design with low noise levels.
- Cover and optimised height of the inlet ring prevent dirty marks.
- Easy cleaning without the risk of changes in air volume.

Design

Ready-to-install extract air element with mounting ring, made of white plastic, for insertion in ducts ND 125 mm. Lip seal on mounting ring to prevent air leakage from the side. Contamination of the surrounding environment is thereby minimised.

Function

Ensures constant volume flow in different pressure conditions between 40 and 160 Pa.

Delivery

Each element incl. mounting ring in separate polybag.

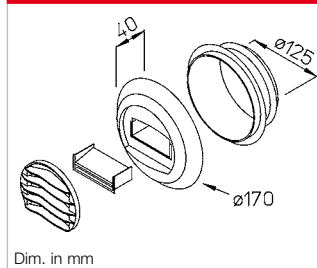
Accessories

- Silencer AESD for insertion downstream of the element (Ref. no. 02059).
- Attachment filter element VFE 70 (Ref. no. 02552).

Installation

Suitable for wall and ceiling installation. Attach mounting ring to duct or wall opening using screws and insert extract air element. A straight duct section of at least 300 mm is required for uniform inflow and outflow.

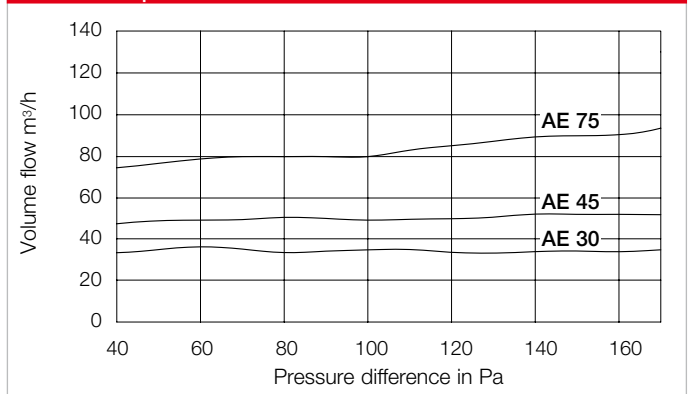
Dimensions AE



Application

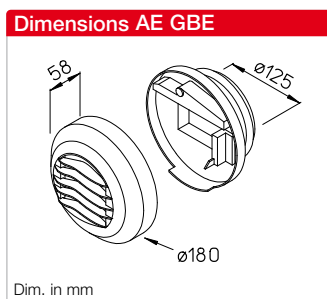
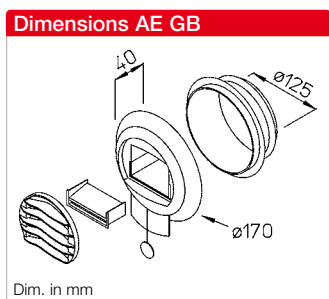
Extract air elements with self-regulating volume flow stabilisation are ideal components for the ventilation of kitchens, bathrooms and toilets for central ventilation systems in residential constructions.

Volume flow performance curve AE



Order data		Sound power			Sound insulation	
Type	Ref. no.	L_w in dB (A)			$D_{n,e}$ in dB (A)	
		100 Pa	130 Pa	160 Pa	w/o AESD	w/ AESD
AE 30*	02030	30	33	36	60	64 ¹⁾
AE 45*	02031	33	34	37	56	63 ¹⁾
AE 75*	02033	35	36	39	57	64 ¹⁾

¹⁾ Equipped with silencer AESD (accessories). * Volume flows in m³/h.



Application
Extract air elements for two volume flows (demand-controlled and basic ventilation) with self-regulating volume flow stabilisation are ideal components for the ventilation of kitchens, bathrooms and toilets for central ventilation systems in residential buildings.

Advantages

- Two volume flows for basic and demand-controlled ventilation.
- Constant volume flow between 40 and 160 Pa.
- No need for system adjustment or calibration.
- Attractive design.
- High-quality construction in aerodynamic design with

low noise levels.

- Cover and optimised height of the inlet ring prevent dirty marks.
- Easy cleaning without the risk of changes in air volume.

Function AE GB
The self-regulating volume flow limitation maintains the set nominal volume (between 40 and 160 Pa) (see performance diagram).
Two levels allow basic and demand-controlled ventilation.
Manual setting and resetting of the high volume flow via draw-cord.

Design (AE GB, AE GBE)
Ready-to-install extract air element with mounting ring, made of white plastic, for insertion in ducts ND 125 mm. Lip seal on mounting ring to prevent air leakage from the side. Contamination of the surrounding environment is thereby minimised.

Installation (AE GB, AE GBE)
AE GB suitable for wall installation, AE GBE also for ceiling installation. Attach mounting ring or base body to duct or wall opening using screws, insert extract air element. A straight duct section of at least 300 mm is required for uniform inflow and outflow.

Accessories

- Silencer:
AE GB: AESD, Ref. no. 02059.
AE GBE: AESE, Ref. no. 02058.
- Attachment filter element
AE GBE: VFE 90, Ref. no. 02553.
Prevents grease and dust deposits on extract air elements and inside the duct system.

Application
Extract air element with electric time control for two volume flows (demand-controlled and basic ventilation).
Ideal for the ventilation of kitchens, bathrooms and toilets for central ventilation systems in residential buildings.

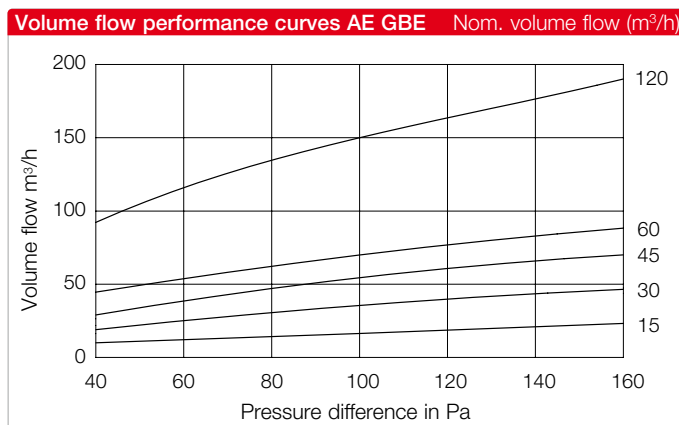
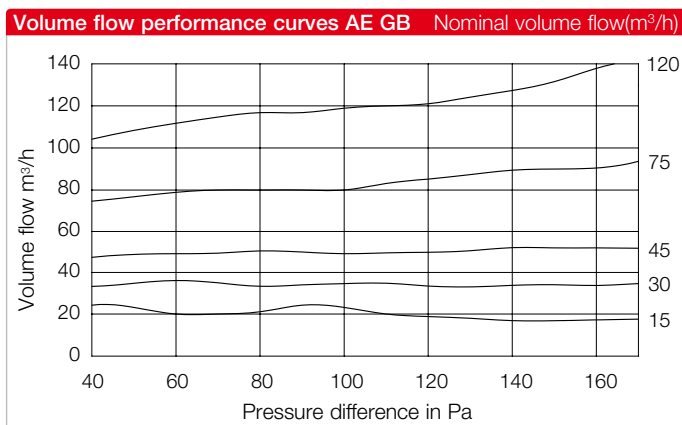
Advantages

- Two volume flows for basic and demand-controlled ventilation e.g. via on-site switch.
- No need for system adjustment or calibration.
- Attractive design.
- High-quality construction in aerodynamic design with low noise levels.
- Cover and optimised height of the inlet ring prevent dirty marks.
- Easy cleaning without the risk of changes in air volume.

Function AE GBE
The basic volume flow is increased to the demand-controlled volume flow via an on-site switch. Resets to "basic ventilation" after 30 minutes, regardless of the position of the on-site switch.
230 V, AC 0.5/3 W, IPX1

Delivery
Each element incl. mounting ring in separate polybag.

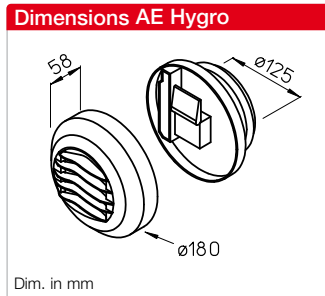
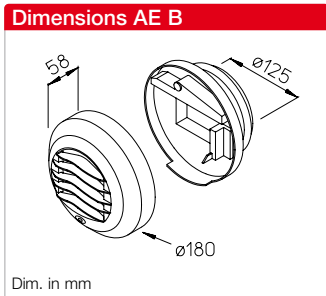
Upon request
AE FV 125
Extract air element with filter and volume setting, Ref. no. 09478.



Order data		Sound power ³⁾			Sound insulation	
Type	Ref. no.	L _w in dB (A)			D _{n,e} in dB (A)	
		100 Pa	130 Pa	160 Pa	w/o AESD	w/ AESD
AE GB 15/30*	02035	27	31	34	60	64 ¹⁾
AE GB 20/75*	02036	27	30	33	57	64 ¹⁾
AE GB 45/120*	02038	33	34	37	56	63 ¹⁾

Order data		Sound power ³⁾			Sound insulation	
Type	Ref. no.	L _w in dB (A)			D _{n,e} in dB (A)	
		100 Pa	130 Pa	160 Pa	w/o AESD	w/ AESD
AE GBE 15/30*	02044	30	33	36	60	64 ²⁾
AE GBE 30/60*	02047	27	30	33	57	64 ²⁾
AE GBE 45/120*	02048	29	32	35	57	62 ²⁾

¹⁾ Equipped with silencer AESD (accessories). ²⁾ Equipped with silencer AESE (accessories). ³⁾ Values apply for basic ventilation level. * Volume flows in m³/h.



Application

Extract air element with motion sensor and time control for two volume flows (demand-controlled and basic ventilation). Ideal for the ventilation of toilets for central ventilation systems in residential buildings.

Advantages

- Two volume flows for basic and demand-controlled ventilation via integrated motion sensor.
- No need for system adjustment or calibration.
- Attractive design.
- High-quality construction in aerodynamic design with low noise levels.

- Cover and optimised height of the inlet ring prevent dirty marks.
- Easy cleaning without the risk of changes in air volume.

Design

Ready-to-install extract air element with mounting ring, made of white plastic, for insertion in ducts ND 125 mm. Lip seal on mounting ring to prevent air leakage from the side. Contamination of the surrounding environment is thereby minimised.

Function AE B

The basic volume flow is increased to the demand-controlled volume flow after the response of the integrated motion sensor. Resets to "basic ventilation" after 30 minutes. Electrical power supply through two batteries (on-site, type LR6/AA (1.5 V), service life approx. 18 months).

Application

The hygrostatically controlled extract air elements allow a variable volume flow depending on the relative room humidity. They are ideal for controlling the extract air volume in bathrooms and kitchens for central ventilation systems in residential buildings.

Advantages

- Volume flow automatically controlled between the minimum and maximum limits depending on the relative room humidity.
- No need for system adjustment or calibration.
- Attractive design.
- High-quality construction in aerodynamic design with low noise levels.
- Cover and optimised height of the inlet ring prevent dirty marks.
- Easy cleaning without the risk of changes in air volume.

Delivery and installation

See description Type AE GB.

Accessories

- Silencer AESE for insertion downstream of the element (Ref. no. 02058).

Design, delivery and installation

See description Type AE GB.

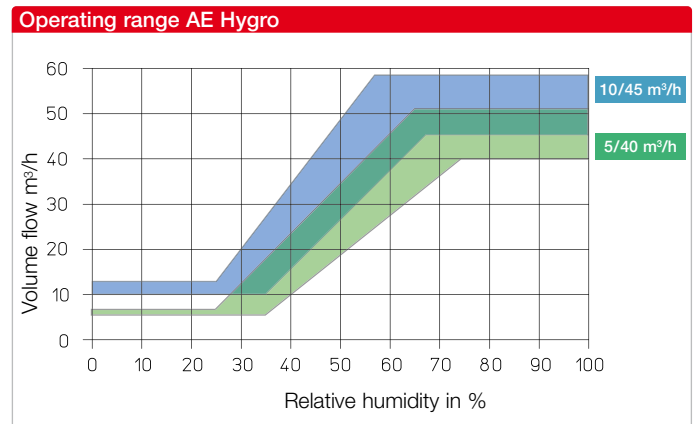
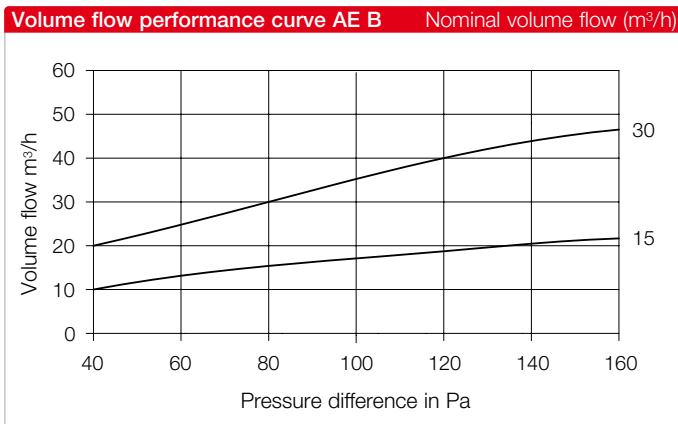
Function AE Hygro

The volume flow is automatically controlled between the minimum and maximum limits depending on the relative room humidity. Realisation of the defined basic volume flow at Δp of 80 Pa depending on the relative room humidity. No electrical connection necessary.

Additional function AE Hygro GBE

The basic volume flow is increased to the demand-controlled volume flow via an on-site switch. Resets to "basic ventilation" after 30 minutes, regardless of the position of the on-site switch.

230 V, AC 0.5/3 W, IPX1



Order data		Sound power ³⁾			Sound insulation	
Type	Ref. no.	L _w in dB (A)			D _{n,e} in dB (A)	
		100 Pa	130 Pa	160 Pa	w/o AESD	w/ AESD
AE B 15/30*	02055	20	25	28	60	64 ¹⁾

Order data		Sound power ³⁾			Sound insulation	
Type	Ref. no.	L _w in dB (A)			D _{n,e} in dB (A)	
		100 Pa	130 Pa	160 Pa	w/o AESD	w/ AESD
AE Hygro 10/45*	02049	29	32	35	57	61 ²⁾
AE Hygro GBE 5/40/75 ⁴⁾ *	02053	28	31	34	56	64 ²⁾
AE Hygro GBE 10/45/120 ⁴⁾ *	02054	29	32	35	56	62 ²⁾

¹⁾ Equipped with silencer AESD (accessories). ²⁾ Equipped with silencer AESE (accessories). ³⁾ Values apply for basic ventilation level. ⁴⁾ Demand-control. vent. performance curve see AE GBE left page. * Volume flows in m³/h.