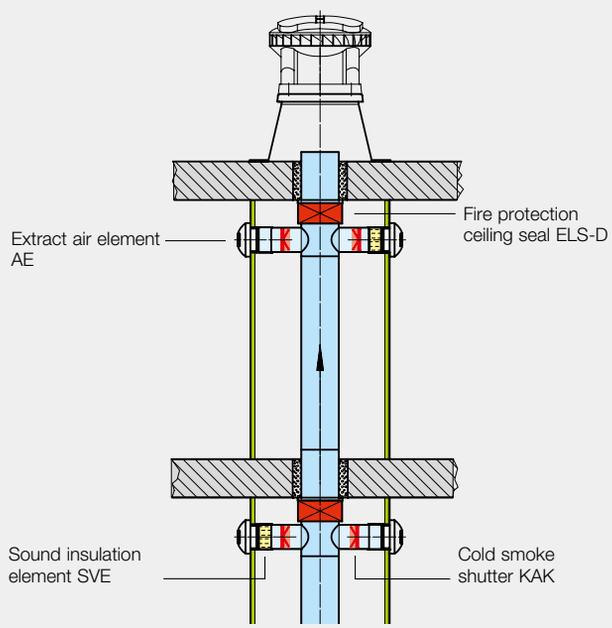
Selection

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 m^3/h



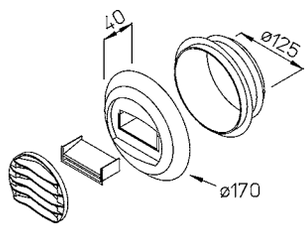
Acoustic data for extract air elements in series AE

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

Dimensions AE



Dim. in mm

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.

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.

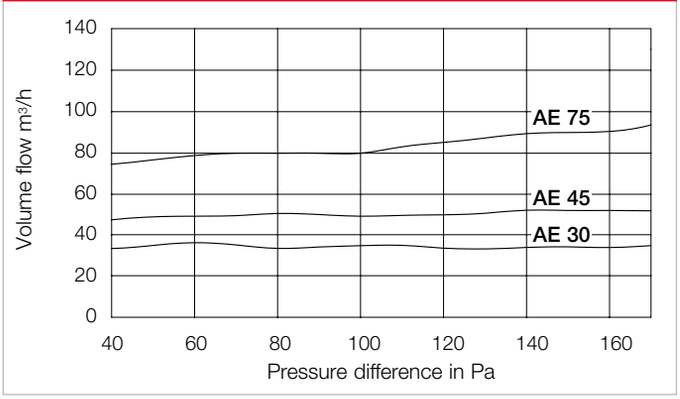
Accessories

- 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.

Volume flow performance curve AE



Order data		Sound power L_W in dB (A)			Sound insulation $D_{n,e}$ in dB (A)	
Type	Ref. no.	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 m^3/h.