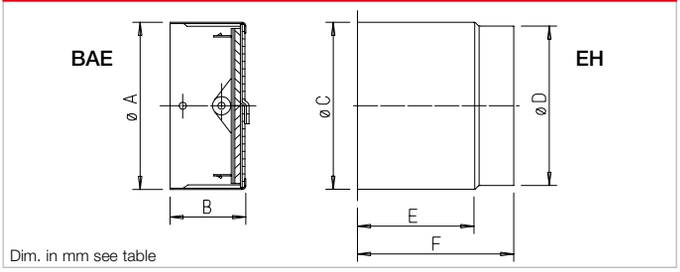
BAE

Approval Z-41.3-696
no maintenance conditions

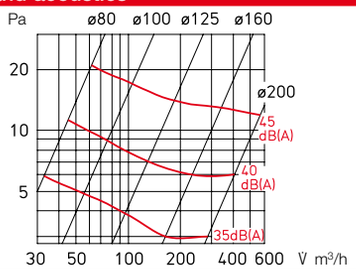


Dimensions BAE



Dim. in mm see table

Pressure loss and acoustics



Application
Damper element to prevent the spread of fire and smoke. For installation in ventilation shafts and ducts with the required fire resistance class K 90-18017. Suitable for insertion in spiral ducts or for installation in walls and non-fire-resistant suspended ceilings using installation sleeve EH (accessories) as well as in fire-resistant ceilings as ceiling seals.

Function
When an air temperature of +72 °C is exceeded, the integrated fusible link releases the semicircular damper blades which close abruptly by spring force. Two safety brackets lock the shutters.

Official approval
The proof of suitability of this damper element for ventilation systems according to DIN 18017 has been provided by means of appropriate tests. General technical approval from the DIBt with no. Z-41.3-696.

Special features
- ☐ No maintenance conditions.
- ☐ Cleaning and inspection together with the associated ventilation system.
- ☐ Insertion in spiral ducts without additional brickwork frame.
- ☐ Installation outside of the shaft wall is possible.
- ☐ Any air flow direction, i.e. for supply air and extract air.
- ☐ Low flow resistance, even at high air flow rates.
- ☐ Connection to fume extractor or extraction hood is possible.
- ☐ Low-noise.
- ☐ Application in residential and commercial areas, e.g. internal toilets, kitchenettes, etc.

Design
Cylindrical duct sleeve with butterfly valve and integrated fusible link.

Delivery
Shrink-wrapped in plastic film.

Installation and setting
- ☐ The installation and operating instructions contain exact specifications with regard to application and installation.
- ☐ The specifications in the related approval must be observed.

Accessories

End switch
For BAE monitoring and signalling the operating status to the central building management system. Attachable to all ND, simple snap-in installation.

BA-S	Ref. no. 02585
Switch as changeover contact	IP67
Max. load	5 – 250 V / 6 A (2 A ind.)
Connect. cable 50 cm long / 3 x 0.34 mm²	
Wiring diagram no.	830



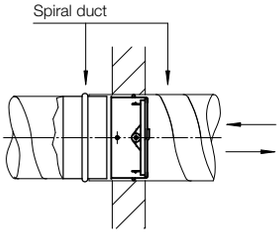
Installation examples

- ☐ **Duct installation**
  The element is installed by simple insertion (e.g. in spiral ducts) and fixed in the wall together with the duct.
  Installation is possible on both sides, regardless of the air flow direction.

- ☐ **Wall installation**
  With installation sleeve EH (accessories) in walls made from brickwork, aerated concrete or plasterboard, shaft partition walls in F 90 and F 30 or system-tested walls over 40 mm thick.
  Installation is possible on both sides, regardless of the air flow direction.

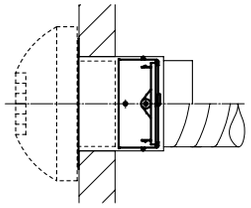
- ☐ **Ceiling installation**
  – Possible in non-fire-resistant suspended ceilings.
  – In fire-resistant ceilings as ceiling seal if no free cross-section is required.

Duct installation



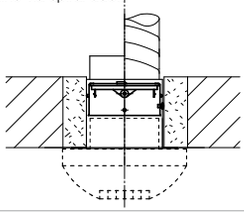
Wall installation

with installation sleeve or spiral duct and inserted supply/extract air element.



Ceiling installation

with installation sleeve and inserted supply/extract air element. Connection to main pipeline via spiral duct.



Order data

					Accessories:					
Type	Ref. no.	Dim. in mm Ø A	B	Weight aprx. kg	**Installation sleeve**	Ref. no.	Dimensions in mm Ø C	Ø D	E	F
BAE 80	02624	78	60	0.17						
BAE 100	02625	98	60	0.23	**EH 100**	02639	100	98	110	140
BAE 125	02626	123	60	0.30	**EH 125**	02640	125	123	110	140
BAE 160	02627	158	60	0.40	**EH 160**	02641	160	158	110	140
BAE 200	02628	198	60	0.55	**EH 200**	02642	200	198	110	140