

■ Fire protection
The spreading of fire and smoke to other floors must be prevented for building heights over two full floors using certified fire protection elements, classification K 90-18017.
In this respect, the following options and options presented in detail on page 66 are available according to the structural conditions.

- Casing ELS-GUB, with fire protection cladding
In fire resistant shaft (F90) or L90 ventilation duct.
- Casings ELS-GUBA, ELS-GAPB with fire damper
With casing positioning outside of fire resistant shaft (F90) or L90 ventilation duct. Connection to main pipeline with flexible or rigid steel tube.

– Fire protection ceiling seal ELS-D
Installation in the main ventilation pipeline. Approved for use in ventilation ducts and mixed installation shafts (even with flammable pipes) with just 12.5 mm thick plasterboard.
All ELS fans connected with Aluflex pipe do not require fire resistance classification.



Fire damper ELS-D
When using this shut-off damper, all other components do not require any fire resistance classification. The universally applicable casing types ELS-GU (UP) and -GAP (AP) can be connected. The stub and

connection lines are cost-effective and installation-friendly in Aluflex pipe. For detailed description see page 596.

| ND mm main pipe | 100 | 125 | 140 | 160 | 180 | 200 | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Type | ELS-D | 100 | 125 | 140 | 160 | 180 | 200 |
| Ref. no. | | 00270 | 00185 | 00186 | 00187 | 00188 | 00271 |

- Intake air elements**
- Installation in wall openings



Universally applicable automatic supply air elements and thermostat supply valves for demand-based intake air volume control. See Intake air elements page for detailed description.

| ø 80 | | ø 100 | | ø 160 | |
|--|----------|---------|----------|---------|----------|
| Type | Ref. no. | Type | Ref. no. | Type | Ref. no. |
| Automatic supply air element – Automatically temperature-controlled incl. thermostat supply valve, sound insulation and external grille | | | | | |
| ZLA 80 | 00214 | ZLA 100 | 00215 | ZLA 160 | 00216 |
| Supply air element – Manually controllable in four levels incl. supply valve with drawcord, sound insulation and external grille | | | | | |
| | | ZLE 100 | 00079 | | |
| Thermostat supply valve – For installation in existing ventilation openings | | | | | |
| ZTV 80 | 00078 | ZTV 100 | 00073 | ZTV 160 | 00074 |

Automatic supply air element ZLA 125 see page 76 f.

- Installation in window frames



Intake air element with volume flow control and limitation. See Intake air elements product page for detailed description. Ideal for retrofitting and new constructions.

| V | | ø 160 | | | | |
|--|-----------------|----------|---|----------|------------------|----------|
| m ³ /h | Type | Ref. no. | Type | Ref. no. | Type | Ref. no. |
| Intake air element for installation in window frames – with volume flow control and limitation | | | | | | |
| 30 | ALEF 30 | 02100 | Like ALEF, but also comes with sound insulation | | ALEFS 30 | 02102 |
| 45 | ALEF 45 | 02101 | | | ALEFS 45 | 02103 |
| Intake air element for installation in window frames – humidity-controlled, with volume flow control and limitation | | | | | | |
| 5/45 | ALEF Hygro 5/45 | 02056 | Like ALEF Hygro, but also comes with sound insulation | | ALEFS Hygro 5/45 | 02057 |

- Overflow**



Door ventilation grilles
Unobtrusive, sight screening ventilation grille made of break-resistant plastic for installation in door leaf. See ventilation grille product page for detailed description.

LTGW Ref. no. 00246
Made of plastic, white.

LTGB Ref. no. 00247
Made of plastic, brown.

- Replacement air filter**



Replacement air filter
Filter mats made of regenerating synthetic fibres, ISO Coarse 30%.

ELF-ELS Ref. no. 08190
Permanent filter for fan inserts ELS-V and ELS EC, suitable for cleaning in dishwasher, unit = 2 pcs.

ELF-DLV 100 Ref. no. 03042
For second room extraction unit ELS-ZS, unit = 5 pcs.



| Reference | Page |
|---|---------|
| Dimensions, further technical information and other sizes: | |
| Ventilation grilles | 561 ff. |
| Intake air elements | 586 ff. |
| Fire protection elements for use in multi-floor construction with more than 2 full floors | 590 ff. |
| Control and regul. units | 599 ff. |