



KA-EU



TESTED TO VDI 6022



CAPILLARY TUBE SENSOR



KA-EU WITH ELECTRIC
BLADE OPENING
ACTUATOR

KA-EU

FOR THE EXTRACT AIR OF COMMERCIAL KITCHENS

Rectangular fire damper for use in extract air and exhaust air ducts of commercial kitchens. For the isolation of duct penetrations between fire compartments, available in 16 nominal sizes

- Nominal sizes from 250 × 225 to 1200 × 500 mm
- 100% free area ensures maximum safety
- No differential pressure, low sound power level
- Easy to clean
- Integration into the central BMS with TROXNETCOM

Optional equipment and accessories

- Electric blade opening actuator, 230 V
- Control module

Application



Application

- Fire dampers of Type KA-EU for shutting off extract air and exhaust air ducts of commercial kitchens, with general building inspectorate licence
- To prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments

Special characteristics

- General building inspectorate licence Z-41.3-692
- Tested for fire resistance properties to DIN 4104-6 and EN 1366-2
- 100% free area
- Low differential pressure and sound power level
- Integration into the central BMS with TROXNETCOM

Classification

- Fire resistance class K90 to DIN 4102-6

Nominal sizes

- 250 × 225 to 1200 × 500 mm
- L: 595 – 880 mm (depending on the selected casing height)

Description



Variants

- With thermal release mechanism
- With thermal release mechanism and control module
- With electric blade opening actuator and control module

Parts and characteristics

- Installation in horizontal or vertical ducts
- Installation in horizontal ducts with the damper blade at the top and airflow in any direction
- 100% free area, hence low differential pressure
- Secure closure by means of gas struts even when there are deposits
- Release temperature 72 °C

Attachments

- Capillary tube sensor

Construction features

- Rigid rectangular casing with installation subframe
- Connecting flanges with fixing holes on both sides, suitable for duct connection
- Scrapers on the damper blade to scrape off greasy deposits etc.
- Damper blade outside of the airflow
- Remote control with electric blade opening actuator

Materials and surfaces

Casing:

- Galvanised sheet steel
- Stainless steel 1.4301

Damper blade:

- Special insulation material faced with stainless steel

Other components:

- Damper blade shafts made of galvanised steel or stainless steel

Standards and guidelines

- EN 1366-2:1999 Fire resistance tests for service installations – Fire dampers
- DIN 4102-6, standard fire resistance test
- EN 1751 Ventilation for buildings – Air terminal devices
- VDI 2052 Ventilation equipment for kitchens

Maintenance

- The functional reliability of the fire damper must be tested at least every six months; this has to be arranged by the owner of the ventilation system; functional tests must be carried out in compliance with the basic maintenance principles stated in EN 13306 and DIN 31051. If two consecutive tests, one 6 months after the other, are successful, the next test can be conducted one year later.
- A functional test involves closing the damper blade and opening it again; with electric blade opening actuator this can be done via remote control
- Fire dampers must be included in the regular cleaning schedule of the ventilation system.
- For details on maintenance and inspection refer to the installation and operating manual