



KU-K30



TESTED TO VDI 6022



WITH TROXNETCOM AS  
AN OPTION



KU-K30 WITH DIFFUSER  
OF TYPE DLQ

Lindner ceiling tile (by  
others)  
Diffuser (to be ordered  
separately)

## KU-K30

### FOR DIFFUSERS IN SUSPENDED F30 CEILINGS

Square fire damper for installation in suspended fire-resistant F30 ceilings For the isolation of duct penetrations between fire compartments, available in five nominal nominal sizes

- Nominal sizes for diffusers sized 300 × 300 – 625 × 625 mm
- Satisfies high ventilation requirements when combined with a diffuser
- Coated construction meets high hygiene requirements
- Integration into the central BMS with TROXNETCOM

#### Optional equipment and accessories

- Ceiling diffusers/swirl diffusers
- External fusible link, 72 °C
- Electric actuator
- Release temperature 72/95 °C

## Application



### Application

- Fire dampers of Type KU-K30 for the isolation of air terminal devices in self supporting fire-resistant suspended ceilings in the event of a fire
- To prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments

### Special characteristics

- Licence Z-41.3-320
- Tested to DIN 4102-6 for fire resistance properties
- Classification to DIN 4102, K30-U
- Low differential pressure and sound power level
- For use with supply air or extract air systems (for supply air systems with perforated sheet metal)
- Integration into the central BMS with TROXNETCOM

### Classification

- Fire resistance class K30-U to DIN 4102-6

### Nominal sizes

- Fire damper: 300 × 300, 400 × 400, 500 × 500, 600 × 600, 625 × 625 mm
- Spigot Ø (depending on the nominal size): 160, 200, 250, 315 mm

## Description



### Variants

- With fusible link
- With spring return actuator

### Parts and characteristics

- Release temperature 72 °C or 95 °C (for use in warm air ventilation systems)

### Attachments

- Limit switch for damper blade position indication
- Spring return actuator for 24 V or 230 V supply voltage
- External fusible link

### Useful additions

- Diffuser: FD, TDF-SilentAir, DLQ or ADLQ

### Construction features

- Casing made of calcium silicate
- Damper blade made of special insulation material

### Materials and surfaces

Plenum box:

- Special insulation material
- Special insulation material with RAL 7001 coating on the inside

Damper blade:

- Special insulation material
- Special insulation material with RAL 7001 coating

- Seal made of neoprene

Other components:

- Spigot and attachments made of galvanised sheet steel
- Fixing elements made of galvanised steel

### **Standards and guidelines**

- DIN 4102-6, standard fire resistance test
- EN 1751 Ventilation for buildings – Air terminal devices

### **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 a spring return 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