



## FKR-EU

- Circular fire damper
- Complies with the European product standard DIN EN 15650
- DoP / 003 / 2017 / 03 / FKR-EU
- Tested for fire resistance properties according to EN 1366-2
- Classification according to EN 13501-3: up to EI 120 (ve, ho i↔o) S
- For mortar-based installation into lightweight partition walls, lightweight fire walls, and shaft walls
- Reduced differential pressure and sound power level
- Integration into the centralised BMS with TROXNETCOM

## APPLICATION

In case of a fire, fire dampers shut automatically to prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments. Type FKR-EU fire dampers are tested to EN 1366-2 and comply with EN 15650. Local requirements and building inspectorate approvals are essential in the country where the units are to be installed.

Correct approved installation locations are in solid walls and ceiling slabs, in lightweight partition walls, in lightweight fire walls, and in shaft walls. Installation orientation and airflow direction are not critical.

In case of a fire, the damper is triggered at 72 °C or at 95 °C (for use in warm air ventilation systems) either by a fusible link or thermoelectrically with a spring return actuator. The release mechanism is accessible and can be tested from the outside.

## DESCRIPTION

### **Casing**

- Galvanised sheet steel
- Galvanised sheet steel, powder-coated RAL 7001
- Stainless steel 1.4301

### **Damper blade**

- Special insulation material
- Special insulation material with impregnation

### **Other components:**

- Damper blade shaft in stainless steel
- Plastic bearings
- Seals of elastomer

The construction variants with stainless steel or powder-coated casing meet even more critical requirements for corrosion protection.

## **INSTALLATION**

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### **Mortar-based installation:**

- In solid walls and ceiling slabs
- In lightweight partition walls with metal support structure and cladding on both sides
- In timber stud walls and half-timbered constructions with cladding on both sides
- In fire walls with metal support structure and cladding on both sides
- In shaft walls with or without metal support structure and with cladding on one side
- On wooden beam ceilings
- On modular ceilings (Cadolto system)

### **Dry mortarless installation:**

- In lightweight partition walls with metal support structure or steel support structure and cladding on both sides: with installation kit TQ
- In timber stud walls and half-timbered constructions with cladding on both sides and installation kit TQ
- In fire walls with metal support structure and cladding on both sides with installation kit T