FKRS-EU

- Circular fire damper
- Complies with the European product standard DIN EN 15650
- DoP / FKRS-EU / DE / 002
- EG-Certificate of Conformity
  BC1 - 606 - 4645 - 15650.04 - 4651
- Tested for fire resistance properties according to EN 1366-2
- Classification according to EN 13501-3
- Reduced differential pressure and sound power level
- Mortar based installation with a perimeter mortar infill, also in lightweight partition and shaft walls
- Dry mortarless installation with installation block
- Remotely controlled with spring return actuator
- 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 FKRS-EU fire dampers are tested to EN 1366-2 and comply with EN 13650.
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, on the face of solid walls, in lightweight partition walls, in lightweight fire walls, and in shaft walls.
Installation in horizontal and vertical ducts. Air flow direction is not critical.
In case of a fire, the damper is triggered at 72 °C or 95 °C (for use in warm air ventilation) either by a fusible link or thermoelectrically with a spring return actuator. The release mechanism is accessible and can be tested from the outside.
The fire dampers have an inspection panel.

The class of performance of FKRS-EU fire dampers is up to EI 120 (v_e, h_o i↔o) S according to EN 13501-3 and depends on the application.

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 coating

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

Mortar-based installation:

- In solid walls and ceiling slabs
- In non-load-bearing solid walls with flexible ceiling joint
- In lightweight partition walls and 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

Dry mortarless installation:

- In timber stud walls and half-timbered constructions with cladding on both sides
- In solid walls and ceiling slabs with installation block ER
- In solid walls and ceiling slabs using a fire batt
- In lightweight partition walls with metal support structure and cladding on both sides using a fire batt
- On the face of solid walls with wall face frame WA
- In lightweight partition walls and fire walls with metal support structure, cladding on both sides and flexible ceiling joint: with installation kit GL
- In lightweight partition walls with metal support structure or steel support structure and cladding on both sides: with installation kit TQ
- In fire walls with metal support structure and cladding on both sides with installation kit TQ
- In shaft walls with or without metal support structure and cladding on one side with installation kit ES
- Remote from solid walls and ceiling slabs (horizontal duct) and remote from lightweight partition walls: with installation kit WE
- In timber stud walls and half-timbered constructions with cladding on both sides: with installation kit TQ