



FKR-EU

- Circular fire damper
- Complies with the European product standard DIN EN 15650
- DoP / 003 / 2017 / 03 / FKREU
- 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 FKREU 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



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

TECHNICAL INFORMATION

FKR-EU

FKR – EU – FL – 1 / DE / 315 / TQ / A0 / Z43

1 2 3 4 5 6 7 8

1] Type

FKR-EU Fire damper

2] Flange

No entry: none (construction with spigots)
FL² Flanges on both ends

3] Construction

No entry: none
1 Powder-coated casing, RAL 7001
2 Stainless steel casing
7 Impregnated damper blade
1 – 7 Powder-coated casing RAL 7001
and impregnated damper blade
2 – 7 Stainless steel casing
and impregnated damper blade
W¹ With fusible link 95 °C
(only for use in warm air ventilation systems)

4] Country of destination

DE Germany
Other destination countries upon request

5] Nominal size [mm]

315
355
400
450
500
560
630
710
800

6] Accessories 1

No entry: none
TQ² Installation kit (construction with spigots)

7] Accessories 2

No entry: none
S0 – AS

8] Attachments

Z00 – ZEX4

¹ W can be combined with all constructions 2] and 3] , but not with attachments 8] ZEX1 – ZEX4

²TQ cannot be combined with FKR-EU-FL