



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



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		6 Accessories 1 No entry: none TQ² Installation kit (construction with spigots)	
2 Flange No entry: none (construction with spigots) FL² Flanges on both ends		7 Accessories 2 No entry: none S0 – AS	
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)		8 Attachments Z00 – ZEX4 ¹ W can be combined with all constructions 2 and 3 , but not with attachments 8 ZEX1 – ZEX4 ² TQ cannot be combined with FKR-EU-FL	
4 Country of destination DE Germany Other destination countries upon request			
5 Nominal size [mm] 315 355 400 450 500 560 630 710 800			