

SMOKE CONTROL DAMPERS

EK-JZ SMOKE CONTROL DAMPER: UNIVERSAL. MODULAR. SAFE.



Smoke control dampers with the largest possible openings are required to keep escape and rescue routes smoke-free.

This is the only way to achieve large volume flow rates at low airflow velocities – a prerequisite for the effective functioning of pressure differential systems (DBA).

[Go to EK-JZ product page: configure and order online](#)

FIRE AND SMOKE PROTECTION DAMPERS - QUICK SELECTION GUIDE

Fire Dampers		Product Standard: BS EN 15650 EXAP Standard: BS EN 15880-2 Classification Standard: BS EN 13501-3 Test Standard: BS EN 1366-2		FKA2-EU DOPPKA2-EU060302		FD		MSFD			
Includes		Fire damper = Mechanical spring close damper with thermal link MSFD = motorised smoke leakage rated fire damper with integrated electrical thermal release		Sizes 200x200 - 1500x800 S = W = 800 x H = 400 L = W = 800 x H = 400							
Fire Stop method		Min wall thickness = d		Mortar		Installation Kit		Fire Batt System		OTHER	
Installation Type		gross density kg/m ³ ≥ 350		S		L		S		L	
WALL - SOLID				Ei 90 S		Ei 90 S					
In wall		80		Ei 120 S	Ei 120 S			Ei 120 S	Ei 90 S		
In wall		100		Ei 120 S	Ei 120 S			Ei 90 S	Ei 90 S		
In Shared opening	2 dampers	100									
In Shared opening	Mixed types 2 each total area ≤ 1.2 m ²	100		Ei 90 S	Ei 90 S						
In Shared opening	multiple dampers total Area ≤ 4.8m ²	100		Ei 90 S	Ei 90 S						
In Shared opening	multiple dampers total Area ≤ 2.4m ²	100						Ei 90 S	Ei 90 S		
In Shared opening	multiple dampers total Area ≤ 1.2m ²	100									
In Shared opening	2x2 total Area ≤ 4.8m ² = insulation	100		Ei 120 S	Ei 120 S						
In wall	2 In corner up to wall & ceiling	100		Ei 90 S	Ei 90 S						
In Shared opening	2 In corner up to wall & ceiling	100		Ei 90 S	Ei 90 S						
Away from	On face wall or remote from	100				Ei 90 S	Ei 90 S				
	Below deflection head joint	100									
	With kit Below deflection head joint	100									
In Shared opening	2 dampers flange 2 flange as above	100									

Our poster shows the full range at a glance. Use this detailed, but straight forward, decision-making tool to help plan your project.

All TROX CE-certified fire dampers and smoke control dampers are listed according to:

- Damper model
- Application
- Classification according to structure type, installation location and fire stopping execution/material:
 - Solid or partition wall
 - Partition wall with metal or timber studding
 - Shaft wall with or without metal studding
 - CLT or solid timber
 - Concrete floor, solid wood floor or wood beam floor

Solutions for:

- Deflection heads
- Low density aircrete ≥350 kg/m³, hollowcore flooring, reinforced ribbed ceilings and more

- Sandwich panel walls
- Arrays
- Narrow gaps to structures
- Multi-service penetrations - fire dampers + cables + pipes in shared opening
- Easy conversion from fire damper to MSFD and vice versa
- Wall thicknesses starting at 40mm
- ATEX certified models - certification even for fusible link options

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