

Vyhlásenie o parametroch

Verzia: E

1. Jedinečný identifikačný kód produktu

F-C2

Platí pre všetky podtypy: **F-C2...VA; F-C2...OF**

2. Typ

Kazetová požiarna klapka Systemair F-C2

3. Účel použitia stavebného výrobku

Požiarny uzáver pre VZT potrubia na oddelenie požiarnych úsekov

4. Meno, registrované obchodné meno a kontaktná adresa výrobcu

Systemair Production a.s.

Hlavná 371,
90043 Kalinkovo, Slovensko

5. Prípadne meno a kontaktná adresa splnomocneného zástupcu

6. Systém posudzovania a overovania nemennosti parametrov stavebného výrobku

Systém 1

7. Harmonizovaná výrobková norma, skúšobná norma, klasifikačná norma

EN 15 650:2010

8. Identifikačné číslo notifikovaného orgánu

1396

Meno a adresa notifikovanej osoby:

FIRES s.r.o.,
Osloboditeľov 282,























059 35 Batizovce, Slovensko

























Notifikovaná osoba vykonala v systéme 1 určenie typu výrobku na základe typových skúšok (vrátane odberu vzoriek) a popisnej dokumentácie počiatkovej inšpekcie výroby vo výrobnom závode a vnútropodnikovej kontroly výroby a nepretržitého dozoru, posudzovania a hodnotenia vnútropodnikovej kontroly výroby a vydanéj osvedčenie o stálosti parametrov:


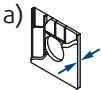
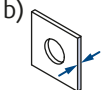

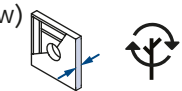
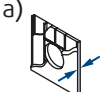
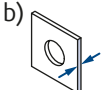
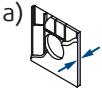
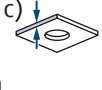
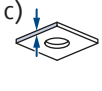

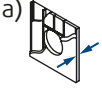
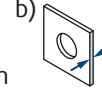

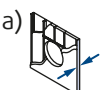
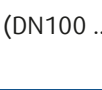
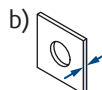

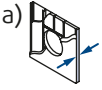
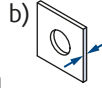



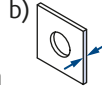


1396 - CPR - 0183

9. Deklarované parametre, Inštalácie:

 Wet	F-C2	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 120 mm w) 		
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 125 mm ≥ 100 mm (DN140 ... DN200) a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 		
		EI 60 ($h_o i \leftrightarrow o$) S c) 	≥ 125 mm (≥ 600kg/m ³)	
		EI 90 ($h_o i \leftrightarrow o$) S		
EI 120 ($h_o i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN140 ... DN200) (≥ 600 kg/m ³) c) 				
 Dry	F-C2	EI 60 ($v_e - i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		EI 90 ($v_e - i \leftrightarrow o$) S		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN80 ... DN125) a) 	≥ 150 mm ≥ 125 mm (DN80 ... DN125) (≥ 500 kg/m ³) b) 	
 Soft	F-C2	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		EI 90 ($v_e i \leftrightarrow o$) S		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 	≥ 150 mm (≥ 500 kg/m ³) b) 	

 Wet	F-C2...VA	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ b) 	 360°
		≥ 120 mm w) 		
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 125 mm ≥ 100 mm (DN160 ... DN200) a) 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ b) 	
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 		
		EI 60 ($h_o i \leftrightarrow o$) S c) 	≥ 125 mm $(\geq 600 \text{ kg/m}^3)$	
		EI 90 ($h_o i \leftrightarrow o$) S ≥ 125 mm $(\geq 600 \text{ kg/m}^3)$		
EI 120 ($h_o i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN160 ... DN200) $(\geq 600 \text{ kg/m}^3)$ c) 				
 Dry	F-C2...VA	EI 60 ($v_e - i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ b) 	 360°
		EI 90 ($v_e - i \leftrightarrow o$) S ≥ 100 mm a) 		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN80 ... DN125) a) 	≥ 150 mm ≥ 125 mm (DN80 ... DN125) $(\geq 500 \text{ kg/m}^3)$ b) 	
 Soft	F-C2...VA	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ b) 	 360°
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 	≥ 150 mm $(\geq 500 \text{ kg/m}^3)$ b) 	

 Wet	F-C2...OF	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ 	 360°	
		≥ 120 mm 			
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 125 mm ≥ 100 mm (DN160 ... DN200) 			≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ 
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm 			
		EI 60 ($h_o i \leftrightarrow o$) S 			
		EI 90 ($h_o i \leftrightarrow o$) S ≥ 125 mm $(\geq 600 \text{ kg/m}^3)$			
EI 120 ($h_o i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN160 ... DN200) $(\geq 600 \text{ kg/m}^3)$ 					
 Dry	F-C2...OF	EI 60 ($v_e - i \leftrightarrow o$) S ≥ 100 mm 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ 	 360°	
		EI 90 ($v_e - i \leftrightarrow o$) S ≥ 100 mm 			
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN100 ... DN125) 			≥ 150 mm ≥ 125 mm (DN100 ... DN125) $(\geq 500 \text{ kg/m}^3)$ 
 Soft	F-C2...OF	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm 	≥ 100 mm $(\geq 500 \text{ kg/m}^3)$ 	 360°	
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 100 mm 			
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm 			≥ 150 mm $(\geq 500 \text{ kg/m}^3)$ 

Poznámka:

Inštalácie podtypu **F-C2...OF** boli testované bez pripojeného potrubia, s prirodzenou konvekciou.

Legenda:

1. **Mokrý** - Mokrý inštalácia, s použitím výplne zo sadry/malty/betónu
 2. **Suchá** - Suchá inštalácia, s použitím minerálnej vlny a príložiek
 3. **Mäkký prechod** - Inštalácia do mäkkého prechodu, s použitím výplne z minerálnej vlny
- a) - Pružná (sadrokartónová) stena
 w) - Stena z drevených hranolov
 b) - Stena z betónu/muriva/pórobetónu (pevná)
 c) - Podlaha/strop z betónu/pórobetónu (pevná)

v_e - Vertikálna podporná konštrukcia (stena)

h_o - Horizontálna podporná konštrukcia (podlaha/strop)

Hodnotenie F-C2 a podtypov F-C2...VA; F-C2 ...OF

Vlastnosť	Test / Nariadenie	Klasifikačný štandard	Technická špecifikácia pre hodnotenie	Parametre vyjadrené	Vyhodnotenie
Menovité podmienky aktivácie/citlivosť	ISO 10294-4	/	EN 15650 4.2.1.2 4.2.1.2.2 4.2.1.2.3	• zaťažiteľnosť v súlade s ISO 10294-4, 4.2; • teplota odozvy v súlade s ISO 10294-4, 4.2;	Vyhovuje
Oneskorenie odozvy (čas odozvy)	EN 1366-2	/	EN 15650 4.2.1.3	• čas uzatvorenia do 2 minút	Vyhovuje
Prevádzková spoľahlivosť	EN 1366-2	/	EN 15650 4.3.1 a)	50 cyklov	Vyhovuje
Požiarina odolnosť • integrita • izolácia • dymotesnosť • mechanická stabilita	EN 1366-2	EN 13501-3 + A1	EN 15650, cl. 4.1.1, a), cl. 4.1.1 b), cl. 4.1.1 c), cl. 4.1.1 a),	Vid' inštaláciu Tabuľka 9.	Vyhovuje
Požiarina odolnosť • stabilita pričného rezu	EN 1366-2	EN 13501-3 + A1	EN 15650, cl. 4.4.1 a)	Vid' inštaláciu Tabuľka 9.	Vyhovuje
Stabilita oneskorenia odozvy	ISO 10294-4	/	EN 15650 4.3.3.1	Stabilita oneskorenia odozvy (testovanou teplotnou odozvou a zaťažiteľnosťou) je zachovaná.	Vyhovuje
Stabilita prevádzkovej spoľahlivosti	EN 15650 Príloha C	/	EN 15650 4.3.3.2	NPD (odolnosť nie je stanovená)	/

Toto vyhlásenie o parametroch sa vydáva na výhradnú zodpovednosť výrobcu uvedeného v bode 4. Podpísal za a v mene výrobcu:



Kalinkovo, 26. Január 2024

Ing. Maroš Chlebo, Výkonný riaditeľ

POTVRDZUJEM, ŽE TENTO PREKLAD JE IDENTICKÝ S PRIPOJENÝM ANGLICKÝM ORIGINÁLOM

dátum: 27.1.2024

prekladateľ:

firma, pozícia: Systemair a.s., obch. zástupca, meno priezvisko: Marek Hlavatý, podpis:



Declaration of Performance

Version: E

1. Unique identification code of the product

F-C2

Valid for all subtypes: **F-C2...VA; F-C2...OF**

2. Type

Systemair Cartridge Fire Damper F-C2

3. Intended use of the construction product

Fire closure for HVAC ductworks for the compartmentization

4. Name, registered trade name and contact address of the manufacturer

Systemair Production a.s.

Hlavná 371,

90043 Kalinkovo, Slovakia

5. Where applicable, name and contact address of the authorized representative

6. System of assessment and verification of constancy of performance of the construction product

System 1

7. Harmonized product standard, test standard, classification standard

EN 15 650:2010

8. Identification number of the notified body

1396

Name and address of the notified person:

FIRES s.r.o.,

Osloboditeľov 282,




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


















Notified person performed in system 1 the determination of the product type based on type testing (including sampling) and descriptive documentation of the production initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control and issued certificate of constancy of performance:

























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9. Declared performance, Installations:

 Wet	F-C2	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		≥ 120 mm w) 		
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 125 mm ≥ 100 mm (DN140 ... DN200) a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 		
		EI 60 ($h_o i \leftrightarrow o$) S c) 	≥ 100 mm (≥ 500 kg/m ³)	
		EI 90 ($h_o i \leftrightarrow o$) S ≥ 125 mm (≥ 600 kg/m ³)		
EI 120 ($h_o i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN140 ... DN200) (≥ 600 kg/m ³) c) 				
 Dry	F-C2	EI 60 ($v_e - i \leftrightarrow o$) S a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		EI 90 ($v_e - i \leftrightarrow o$) S ≥ 100 mm		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN80 ... DN125) a) 	≥ 150 mm ≥ 125 mm (DN80 ... DN125) (≥ 500 kg/m ³) b) 	
 Soft	F-C2	EI 60 ($v_e i \leftrightarrow o$) S a) 	≥ 100 mm (≥ 500 kg/m ³) b) 	 360°
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 100 mm		
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 	≥ 150 mm (≥ 500 kg/m ³) b) 	

 Wet	F-C2...VA	El 60 (v _e i ↔ o) S	≥ 100 mm  ≥ 120 mm 	≥ 100 mm (≥ 500 kg/m ³) 	 360°
		El 90 (v _e i ↔ o) S	≥ 125 mm ≥ 100 mm (DN160 ... DN200) 		
		El 120 (v _e i ↔ o) S	≥ 150 mm 	≥ 100 mm (≥ 500 kg/m ³)	
		El 60 (h _o i ↔ o) S	≥ 125 mm (≥ 600kg/m ³) 		
		El 90 (h _o i ↔ o) S			
		El 120 (h _o i ↔ o) S	≥ 150 mm ≥ 125 mm (DN160 ... DN200) (≥ 600 kg/m ³) 		
 Dry	F-C2...VA	El 60 (v _e - i ↔ o) S	≥ 100 mm 	≥ 100 mm (≥ 500 kg/m ³) 	 360°
		El 90 (v _e - i ↔ o) S			
		El 120 (v _e i ↔ o) S	≥ 150 mm ≥ 125 mm (DN80 ... DN125) 	≥ 150 mm ≥ 125 mm (DN80 ... DN125) (≥ 500 kg/m ³) 	
 Soft	F-C2...VA	El 60 (v _e i ↔ o) S	≥ 100 mm 	≥ 100 mm (≥ 500 kg/m ³) 	 360°
		El 90 (v _e i ↔ o) S			
		El 120 (v _e i ↔ o) S	≥ 150 mm 	≥ 150 mm (≥ 500 kg/m ³) 	

 Wet	F-C2...OF	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a)  ≥ 120 mm w) 	≥ 100 mm b)  (≥ 500 kg/m ³)	 360°
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 125 mm ≥ 100 mm (DN160 ... DN200) a) 	≥ 100 mm b) 	
		EI 120 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 	≥ 100 mm (≥ 500 kg/m ³)	
		EI 60 ($h_o i \leftrightarrow o$) S c) 		
		EI 90 ($h_o i \leftrightarrow o$) S ≥ 125 mm (≥ 600 kg/m ³)		
	EI 120 ($h_o i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN160 ... DN200) (≥ 600 kg/m ³) c) 			
 Dry	F-C2...OF	EI 60 ($v_e - i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm b)  (≥ 500 kg/m ³)	 360°
		EI 90 ($v_e - i \leftrightarrow o$) S ≥ 150 mm ≥ 125 mm (DN100 ... DN125) a) 	≥ 150 mm ≥ 125 mm (DN100 ... DN125) (≥ 500 kg/m ³) b) 	
 Soft	F-C2...OF	EI 60 ($v_e i \leftrightarrow o$) S ≥ 100 mm a) 	≥ 100 mm b)  (≥ 500 kg/m ³)	 360°
		EI 90 ($v_e i \leftrightarrow o$) S ≥ 150 mm a) 	≥ 150 mm (≥ 500 kg/m ³) b) 	

Note:

Installations of subtype **F-C2...OF** were tested without connected duct, with natural convection.

Legend:

1. **Wet** - Wet Installation, Using Plaster/Mortar/Concrete Filling
 2. **Dry** - Dry Installation, Using Mineral Wool and Coverplates
 3. **Soft** - Soft Installation, Using Mineral Wool filing
- a) - Flexible (plasterboard) wall
 w) - Timber stud wall
 b) - Concrete/masonry/cellular concrete (rigid) wall
 c) - Concrete/cellular concrete (rigid) floor/ceiling

v_e - Vertical supporting construction (wall)

h_o - Horizontal supporting construction (floor/ceiling)

Assessment of F-C2 and subtypes F-C2...VA; F-C2 ...OF

Property	Test regulation	Classification standard	Technical specification for assessment	Performance expressed	Evaluation
Nominal activation /Sensing element conditions /sensitivity	ISO 10294-4	/	EN 15650 4.2.1.2 4.2.1.2.2 4.2.1.2.3	<ul style="list-style-type: none"> load-bearing capacity in accordance with ISO 10294-4, 4.2; response temperature in accordance with ISO 10294-4, 4.2; 	Satisfied
Response delay (response time)	EN 1366-2	/	EN 15650 4.2.1.3	<ul style="list-style-type: none"> closure time within time period of 2 minutes 	Satisfied
Operational reliability	EN 1366-2	/	EN 15650 4.3.1 a)	50 cycles	Satisfied
Fire resistance <ul style="list-style-type: none"> integrity insulation smoke leakage mechanical stability 	EN 1366-2	EN 13501-3 + A1	EN 15650, cl. 4.1.1, a), cl. 4.1.1 b), cl. 4.1.1 c), cl. 4.1.1 a),	See installation Table 9.	Satisfied
Fire resistance <ul style="list-style-type: none"> maintenance of cross-section 	EN 1366-2	EN 13501-3 + A1	EN 15650, cl. 4.4.1 a)	See installation Table 9.	Satisfied
Durability of response delay	ISO 10294-4	/	EN 15650 4.3.3.1	Durability of response delay (by tested temperature response and load-bearing capacity) is preserved.	Satisfied
Durability of operational reliability	EN 15650 Annex C	/	EN 15650 4.3.3.2	NPD (no performance determined)	/

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:



Kalinkovo, January 26, 2024

Ing. Maroš Chlebo, Managing Director