



EU DECLARATION OF PERFORMANCE

40-F-0020

ThermCommand MCD

Complying with the following EU Regulation:
305/2011 : Construction Products Regulation

Swegon Air Management LTD
Actionair, South Street, Whitstable, Kent CT5 3DU

*Manufactured by:
Klimaoprema d.d.
Gradna 78A, 10430 Samobor, Croatia
as FSD-Smoke Control Damper*

System 1
FIRES – NB1396

Performed the determination of the product type on the basis of type testing (including sampling) and the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory control under system 1 and issued the certificate of constancy of conformity of the factory production control (1396-CPR-0227)

Declared performance according to:
EN 12101-8:2011 Smoke and Heat Control Systems Part 8: Smoke Control Dampers

Declaration of performance

DoP No. 1715-1/2023



Identification code	FSD – Smoke control damper	
Intended use	Multi and single MA smoke control damper for installation in a wall or refractory duct	
Manufacturer	KLIMAOPREMA d.d. Gradna 78A, 10430 Samobor, Croatia	
System of assessment and verification of constancy of performance	System 1	
Harmonised standard	EN 12101-8:2011	
Notified body	FIRES, Slovakia, Notified body 1396–Certificate of constancy of performance 1396-CPR-0227	
Declared performance	Essential characteristics	Performance/Class
	Nominal activation conditions/sensitivity	Pass
	Response delay (response time):	Pass (< 60 seconds)
	Operational reliability:	C10.000
	Fire resistance: - integrity E - insulation I - smoke leakage S - mechanical stability - maintenance of cross-section - high operational temperature	EI 120/90 (vedw,hodw i<->o)S1000 C10.000 HOT400/30 MA multi
	Durability: - of response delay - of operational reliability	Pass Pass
	Casing airtightness: - according to EN 1751	Class C
	Damper blade airtightness: - according to EN 1751	Class 3

This Declaration of performance is provided on: www.klimaprema.com.

Declaration of performance of the described product is in conformity with declared performance. This Declaration of performance is issued in accordance with the Regulation (EU) No. 305/2011, Delegated Regulation (EU) No. 574/2014, Delegated Regulation (EU) No. 568/2014, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Sergio Galošić, CEO

Samobor, 23.01.2023.

2 klimaoprema d.o.o.
Za projektiranje, proizvodnju, postavljanje,
popravlak i održavanje opreme za klimatizaciju
10430 SAMOBOR, GRADNA 78/A

For achievement of the declared performance, this product has to be used according to the specifications and technical instructions of the manufacturer!

Range	Supporting construction	Wall thickness	Supporting construction details	Type of installation	Classification	Pressure difference	Details	Construction type	Sealing type
200 x 240 - 1200 x 2040		≥100mm	Aerated concrete wall, p ≥ 500kg/m ³			-1000 to 500 Pa			
	Rigid wall	≥100mm	Concrete wall, p ≥ 500kg/m ³	Dry installation, mineral wool 140 kg/m ³ , Intumescent fire resistant sealant	EI 90 (New, I+0) S1000 C10000-HOT 400/30 MA multi	-1000 to 500 Pa			
		≥100mm	Brick wall, p ≥ 500kg/m ³			-1000 to 500 Pa			
200 x 240 - 1200 x 2040	Flexible wall	≥100mm	Plasterboard type F (EN1220), mineral wool up to 115 kg/m ³		EI 90 (New, I+0) S1000 C10000-HOT 400/30 MA multi	-1000 to 500 Pa			
	Vertical duct		Duct tested on EN1366-8 or EN1366-9, p≤500kg/m ³	Installation in duct-own design, boards and glue	EI 120 (red, hot, I+0) S1000 C10000-HOT 400/30 MA multi	-1000 to 500 Pa			
	Horizontal duct		Duct tested on EN1366-8 or EN1366-9, p≤500kg/m ³	Installation in duct-own design, boards and glue	EI 120 (red, hot, I+0) S1000 C10000-HOT 400/30 MA multi	-1000 to 500 Pa			

Aerated concrete (≥ 550 kg/m³), more than 100 mm thick

Concrete wall (≥ 500 kg/m³) wall, more than 100 mm thick

Brick wall (≥ 500 kg/m³) wall, more than 100 mm thick

Plasterboard wall, type F (EN1220), mineral wool up to 115 kg/m³, more than 100 mm thick

FSD SMOKE CONTROL DAMPER



Construction of the duct

Smoke control dampers for multi compartments may be used with ducts that have been tested to EN 1366-9 (Single compartment smoke extraction ducts) and to EN 1366-8 (Smoke extraction ducts) and that are constructed either from materials of the same density (ρ = 500 kg/m³) as the tested material or from the same material with a greater density or thickness. In addition, smoke extract ducts that consist of sheet material from Promat, like Promatlect L500, Promatlect AD 40 and Promatlect LS, may be used.