



EU DECLARATION OF PERFORMANCE

RAM-F-024 F

Smoke Command Multi Compartment Damper (MCD)

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

Swegon Air Management LTD
Joseph Wilson Ind. Est, South Street, Whitstable, Kent CT5 3DU

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance of Regulation (EU) No 305/2011, under the sole responsibility of the manufacture identified above.

System 1

Applus+ – NB. 0370

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. Certificate Number 0370-CPR-4005

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

Product	Smoke Command Multi Compartment Damper (SC MCD)
Intended Use	Smoke Control Dampers that are to be used in smoke control systems, in multi-compartment applications, at fire temperature in the application of heating ventilation and air-conditioning (HEVAC) systems. They may include a fireman's override switch (if required) for the purposes of cold smoke clearance after the fire.
Manufacture	Swegon Air Management Ltd, South Street, Whitstable, Kent CT5 3DU
System of AVCP	System 1
Harmonised Standard/Notified Body/Certificate number	EN 12101-8:2011, Applus+, 0370-CPR-4005
Performance Standard	Testing EN 1366-10:2022, Classification to EN 13501-4:2016, EXAP using EN 15882-2:2015 in lieu of EXAP standard for Smoke Control

Installation Method	Drawing	Size Range	Wall/Floor Type	Min Wall/Floor Thickness	Min Supporting Construction			Performance Classification
DWFX-F	AA/F12873	200-1000mm X 200-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 50mm thick (insulation optional)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
DWFX-F	AA/F12874	200-1000mm X 200-1000mm	Rigid Wall	120mm	Blockwork			E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi

Additional Options	Description
Case Material	Galvanised Steel, 430 Stainless Steel, 316 Stainless Steel
Blade Material	430 Stainless Steel, 316 Stainless Steel
Allowable Actuators	Mode 5-2P (24V) and Mode 6-2P (230V)

Registered Address
Swegon Air Management Ltd
 Stourbridge Rd, Bridgnorth, Shropshire, WV15 5BB, United Kingdom
 Registered in England No. 738495

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Revision 4 16/06/2023

Essential Characteristic	Technical Specification	Performance
Nominal Activation	4.2.1.3	Pass
Response delay/closing time	4.2.1.4	Pass
Durability of Operational Reliability	4.3.2.2	Pass 10,000 Cycles (weighted) as per Annex A
Fire Resistance		
Integrity	4.1.1 a)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
Insulation	4.1.1 b)	No Performance Declared
Smoke Leakage	4.1.1 c)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
Mechanical Stability (under E)	4.1.1 d)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
Maintenance of Cross Section (part of E)	4.1.1 e)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
High Operational Temperature	4.1.1 f)	E120(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi
Durability		
Durability of Response – Mode 5, Mode 6	4.4.2.1	Pass
Durability of Operational Reliability – Mode 5, Mode 6	4.4.2.2	Pass 10,000 cycles (weighted), as per Annex A duration per cycle <120 s
Characteristic	Technical Specification	Performance
Protection Against Corrosion	EN 60068-2-52	Pass
Damper Casing Leakage	EN 1751	Class C
Damper blade leakage	EN 1751	Class 3, based on 1000x1000mm damper

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Signed for on behalf on the manufacturer
Business Unit Director for Smoke and Fire Solutions

Andrew Collard



Date of Signature: 16/06/2023
Place of Signature: Swegon Air Management Ltd
Joseph Wilson Ind Estate, South Street,
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