



EC DECLARATION OF PERFORMANCE

RAM-F-024 F

Smoke Command Multi Compartment Damper (MCD)

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

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

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:
BS EN 12101-8 Smoke and Heat Control Systems Part 8: Smoke Control Dampers'

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

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Revision 2- 01/07/2020



Product	Actionair Smoke Command Multi Compartment Damper (MCD)
Intended Use	Smoke Control Dampers that are to be used in smoke control systems, in multi-compartment applications, at fire temperature in conjunction with a fireman's override switch (if required) in the application of heating ventilation and air-conditioning (HEVAC) systems.
Manufacture	Swegon Air Management Ltd, Joseph Wilson Ind Est, South Street, Whitstable, Kent CT5 3DU
System of AVCP	System 1
Harmonised Standard/Notified Body/Certificate number	BS EN12101-8/Applus/0370-CPR-4005
Performance Standard	BS EN 1366-10 in accordance with BS EN 1366-2 Classification to BS EN 13501-4

Size Range	Installation Method	Wall Type	Applicable Tests	Report Number	Drawing	Performance Classification
200-1000mm X 200-1000mm	DWFX-F	Flexible Wall	Fire Resistance Test Fire Resistance Test Maintenance of Opening Leakage at Ambient Temperature HOT 400/30 Cycle Test Mode 5 Cycle Test Mode 6 Standby Temperature Test Mode 5 Standby Temperature Test Mode 6	P112628-1011 P112628-1028 19/19209-882 19/19209-882 P112628-1027 P112628-1017 P112628-1018 P112628-1019 P112628-1020	AA/F12873	E90(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi E120(Vew i↔o) 1000 C10000 HOT 400/30 AA Multi
200-1000mm X 200-1000mm	DWFX-F	Rigid Wall	Fire Resistance Test Fire Resistance Test Maintenance of Opening Leakage at Ambient Temperature HOT 400/30 Cycle Test Mode 5 Cycle Test Mode 6 Standby Temperature Test Mode 5 Standby Temperature Test Mode 6	P112628-1011 P112628-1028 19/19209-882 19/19209-882 P112628-1027 P112628-1017 P112628-1018 P112628-1019 P112628-1020	AA/F12874	E90(Vew i↔o)S 1000 C10000 HOT 400/30 AA Multi E120(Vew i↔o) 1000 C10000 HOT 400/30 AA Multi

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Essential Characteristic	Technical Specification EN12101-8	Performance Level	Performance
Nominal Activation	4.2.1.3	AA	Suitable for Automatic Activation AA
Response delay/closing time	4.2.1.4	AA	Opening/Closure with 30s, duration <60s
Durability of Operational Reliability	4.3.2.2	C 10,000	10,000 Cycles (weighted) as per Annex A
Fire Resistance			
Integrity	4.1.1 a)	E	E120
Insulation	4.1.1 b)	EI	No Performance Declared
Smoke Leakage	4.1.1 c)	ES at Pressure of 1000Pa	E90S
Mechanical Stability (part of E)	4.1.1 d)	E120	No failure in mechanical stability
Maintenance of Cross Section (part of E)	4.1.1 e)	E120	No failure in reduction of cross section
High Operational Temperature	4.1.1 f)	HOT 400/30	400C for 30mins open every 150s
Durability			
Durability of Response – Mode 5, Mode 6	4.4.2.1	AA	Opening/closure with duration <60s
Durability of Operational Reliability – Mode 5, Mode 6	4.4.2.2	C 10,000	10,000 cycles (weighted),as per Annex A duration per cycle <120 s
Essential Characteristic	Technical Specification	Performance Level	Performance
Protection Against Corrosion	EN 60068-2-52		Pass
Damper Casing Leakage	BS EN 1751	Class C	Based on 1000x1000mm damper
Damper blade leakage	BS EN 1751	Class 3	Based on 1000x1000mm damper

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



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