



## EC DECLARATION OF PERFORMANCE

RAM-F-024 A

Smoke Shield PTC Span fire damper  
Smoke Shield PTC I/F fire damper  
Smoke Shield PTC DWFX-F fire damper  
Smoke Shield PTC DWFX-C fire damper  
Smoke Shield PTC S&A fire damper  
Smoke Shield PTC OSF fire damper

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

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

System 1

BRE Global Limited – NB2831

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 (2831-CPR-P0002)

Declared performance according to:  
BS EN 15650 'Ventilation for buildings: Fire Dampers'

Product	Smoke Shield (SS)
Intended Use	Motorised Fire Damper with low smoke leakage, to be used in conjunction with fire partitions to maintain compartment integrity in heating ventilation and air-conditioning (HEVAC) system.
Manufacture	Swegon Air Management Ltd, South Street, Whitstable, Kent CT5 3DU
System of AVCP	System 1
Harmonised Standard/Notified Body/Certificate number	BS EN15650, BRE Global, certificate number 2831-CPR-P0002
Performance Standard	Testing to BS EN 1366-2, Classification to BS EN 13501-3

Size Range	Installation Method	Wall Type	Drawing	Performance Classification
200-1000mm X 200-1000mm	Span – Floor Slab <small>awaiting certification</small>	Rigid Floor	AA/F12368 AA/F12864	E90(ho i↔o)S - (300Pa) E120(ho i↔o) - (300Pa) (Integrity Only)
200-1000mm X 200-1000mm	Span <small>awaiting certification</small>	Flexible Wall	AA/F13214	E60(ve i→o)S - (300Pa) E120(ve i→o) - (300Pa) (Integrity Only)
200-1000mm X 200-1000mm	Span <small>awaiting certification</small>	Rigid Wall	AA/F13215	E60(ve i→o)S - (300Pa) E120(ve i→o) - (300Pa) (Integrity Only)
200-1000mm X 200-1000mm	HEVAC Frame – In floor slab	Rigid Floor	AA/F10700	E120(ho i→o)S - (300Pa)
200-1000mm X 200-1000mm	HEVAC Frame	Rigid Wall	AA/F10702	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-F	Flexible Wall	AA/F10704	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-F	Rigid Wall	AA/F10706 AA/F12493	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-F with BATT infill	Flexible Wall	AA/F10710	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-F with BATT infill	Rigid Wall	AA/F10712	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-3F up against construction edge <small>awaiting certification</small>	Flexible Wall	AA/F11945	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-3F up against construction edge <small>awaiting certification</small>	Rigid Wall	AA/F12394	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-C	Flexible Wall	AA/F10708	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	DWFX-C up against construction edge <small>awaiting certification</small>	Flexible Wall	AA/F10730	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	Sleeve and Angle	Floor	AA/F10724	E90(ve i→o)S - (300Pa) E120(ve i→o) - (300Pa) (Integrity Only)
200-1000mm X 200-1000mm	Sleeve and Angle	Flexible Wall	AA/F10714	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	Sleeve and Angle	Rigid Wall	AA/F10716	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	Sleeve and Angle with BATT infill	Flexible Wall	AA/F13276	E120(ve i→o)S - (300Pa)
200-1000mm X 200-1000mm	Sleeve and Angle with BATT infill	Rigid Wall	AA/F13277	E120(ve i→o)S - (300Pa)

Registered Address

**Swegon Air Management Ltd**

Stourbridge Rd, Bridgnorth, Shropshire, WV15 5BB, United Kingdom

Registered in England No. 738495

+44 (0) 1746 761921

[www.swegon.com/uk/](http://www.swegon.com/uk/)

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Essential Characteristic	Performance
Nominal activation conditions/sensitivity according to ISO 10294-4, <i>Sensing element – Response behavior and faulty set-off</i>	Pass
Response delay (response time) according to BS EN 1366-2, <i>Closure time</i>	Pass
Operational reliability according to BS EN 1366-2, <i>Cycling</i>	Pass
Durability of response delay accordingly to BS EN 1366-2, <i>Sensing element response to temperature and load bearing capacity</i>	Pass
Durability of operational reliability according to BS EN 15650, <i>Open and closing cycle</i>	10,000 cycles nominal Voltage, (Additional 25,000 cycles nominal Voltage) 100 cycles -10% voltage, 100 cycles +15% Voltage
Protection against corrosion according to EN 60068-2-52	Pass
Damper casing leakage according to BS EN 1751	Class C
Damper blade leakage according to BS EN 1751 <small>(based on a 1000mmx1000mm damper, other dampers sizes maybe different)</small>	Class 3

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


