



EC DECLARATION OF PERFORMANCE

RAM-F-024 C

CSS 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 Assurance (Ireland) 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-P0003)

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

Product	Circular Smoke Shield (CSS)
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-P0003
Performance Standard	Testing to BS EN 1366-2, Classification to BS EN 13501-3

Size Range	Installation Method	Wall Type	Drawing	Performance Classification
Ø100mm - Ø355mm	Single Side Flange	Flexible Wall	AA/F12820	E90(ve i↔o)S - (300Pa) E120(ve i↔o) - (300Pa) (Integrity Only)
Ø100mm - Ø355mm	Single Side Flange	Rigid Wall	AA/F12822	E90(ve i↔o)S - (300Pa) E120(ve i↔o) - (300Pa) (Integrity Only)
Ø100mm - Ø355mm	Single Side Flange	Floor	AA/F12821	E120(ho i↔o)S - (300Pa)

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	Class 3

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


