

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. Unique identification code of the product-type:

LUXLAME F OFP

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 paragraph 4:
Information given on the tracking label :

Order confirmation Number + Product Number + Date of production

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer :

3.1 Product description: Natural smoke and heat exhaust ventilator (NSHEV) for wall installation with glass or insulated double skin aluminium blades.

3.2 Installation and implementation conditions in accordance with the certified performances

- Wall installation
- Dimensional range: L and H are the overall dimensions of the product.

L = length in mm and H = width in mm

$500 \leq L \leq 2\,500$ and $350 \leq H \leq 3\,000$

With $0,12\text{ m}^2 \leq A_v^* \leq 5,6\text{ m}^2$

*: $A_v = L_{pa} \times H_{pa} = (L-80) \times (H-76)$

3.3 Mode of operation:

Pneumatical opening and closing.

Service pressure: 10 to 20 bars.

Cylinder volume under 10 bars (the number of cylinder depends on the service pressure desired) :

- 0,5 NI for 1 cylinder
- 1 NI for 2 cylinders
- 2 NI for 4 cylinders

3.4 Possible options :

Open / Close position switches

Thermal device release (according to the current standard).

4. Name, registered trade name or trademark, in conformity with article 11, paragraph 5:

Company name: SOUCHIER – BOULLET SAS

Parc Segro – 42 rue de Lamirault

CS 20762

77090 COLLEGIEN

France

Production unit : SOUCHIER-BOULLET SAS

11 rue du 47^{ème} R.A.

70400 HERICOURT

France

6. 7. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V.

The notified body TÜV Rheinland N° 0336 performed the determination of the product type on the basis of type testing, type calculation of the product, the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the certificate of constancy of performance N°

CE Certificate N°0336 – CPR – 89207514.

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9. Declared performances :

Harmonised technical specification: EN 12101-2:2003	Essential characteristics	Performance
	Nominal activation conditions / sensitivity, as: Initiation device Opening mechanism Inputs and outputs	present present present
	Response delay (response time), as: Reliability Opening under (snow, wind) load Low ambient temperature Fire Performance	≤ 60 s
	Operational reliability, as: Reliability	Re 1000 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as: Aerodynamic free area	$A_g = A_{g0} \times C_v^{**}$
	Performance parameters under fire conditions, as: Resistance to heat Mechanical stability Reaction to fire	B ₃₀₀ 30 $\Delta A_{thrust} < 10 \%$ A1
	Performance under environmental conditions, as: Opening under load Low ambient temperature Stability under wind load Resistance to wind-induced vibration (where included) Resistance to heat	SL: NPD T(00) WL 3000 NPD B ₃₀₀ 30
	Durability, as: Response delay (response time) Operational reliability Performance parameters under fire conditions	≤ 60 s Re 1000 (+10 000) ≤ 60 s; $\Delta A_{thrust} < 10 \%$

**** Calculation of flow coefficient**

Number of blades	Flow coefficient / Overall dimensions (mm)		
	500 ≤ L < 1 000	1 000 ≤ L < 1 500	1 500 ≤ L ≤ 2 500
2 à 5	0,56	0,58	0,60
6 à 9	0,54	0,56	0,58
10 à 14	0,52	0,54	0,56

10. The performance of the product identified in points 1 et 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by: **David Maillart – R&D Manager**

The 28/03/2024
In Collégien

