

## DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:* **EXUBAIE V2 OFVPE**
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 with a single casement, for wall installation on a horizontal axis on the outside in a bottom or top hung opening configuration, or on a vertical axis outwards side hung opening style. The infill can be in cellular polycarbonate, in glass or insulated double skin aluminium (thermally or acoustically).

**3.2 Installation and implementation conditions in accordance with the certified performances.**

- Wall installation ( $\pm 30^\circ$ )
- Dimensional range : (Hht and Lht are the overall dimensions of the product)

	1 motor				2 motor					
	Bottom or top hung :		Side hung		Bottom or top hung :		Side hung			
			With	If Lpa $\geq$ 2 x Hpa			With	If Lpa $\geq$ 2 x Hpa		
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum		
LHT (mm)	1120	2620	1320	1120	2620	1320	2620	2620		
HHT (mm)	620	1320	2620	620	1370	920	1320	2620	920	1370

**3.3 Mode of operation :** Pneumatic opening and closing

- Service pressure 6 to 20 bars
- o 0,12NI in opening

**3.4 Possible options :**

- Open / Close position switches.  
Thermal device release (according to the current standard).

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

**Company name :** SOUCHIER-BOULLET SAS  
11 rue des Campanules  
CS 30066  
77436 MARNE LA VALLEE Cedex 2  
France

**Production unit :** SOUCHIER-BOULLET SAS  
11 rue du 47<sup>ème</sup> R.A.  
70400 HERICOURT  
France

6. *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 EN 12 101 – 2 2003

CE Certificate N°0336 – CPR – 6742-3.

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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 (see diagrams)	$A_a = A_v * C_v^{**}$
	Performance parameters under fire conditions, as: Resistance to heat Mechanical stability Reaction to fire	B <sub>300</sub> 30 $\Delta A_{throat} < 10\%$ Insulated panel or glass Polycarbonate A1 B-s1;d0
	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 1500 $\omega_b > 10\text{Hz}$ , $\delta > 0,1$ B <sub>300</sub> 30
	Durability, as: Response delay (response time) Operational reliability Performance parameters under fire conditions	≤ 60 s Re 1000 (+10 000) ≤ 60 s; $\Delta A_{throat} < 10\%$

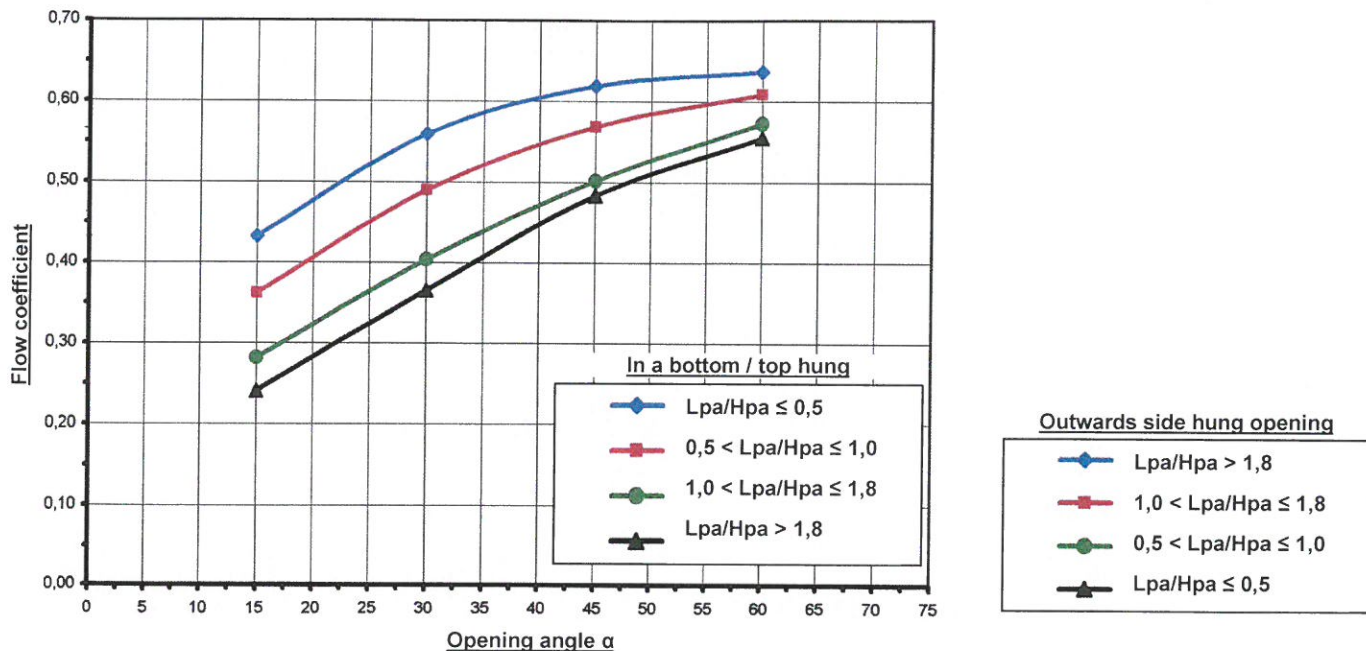
Calculation of the free aerodynamic surface :

$$A_a = A_v \times C_v^{**}$$

$$A_v = Lpa \times Hpa$$

$$Lpa = Lht - 0,120 \text{ m and } Hpa = -0,120 \text{ m}$$

\*\*Cv: Calculation of flow coefficient :



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 19/12/2017  
In Lognes