

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type* **OTF V2 OFVPLE- OFVPPE**
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 in a bottom or top hung opening outside configuration, or on a vertical axis side hung opening outside 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)

	OFVPLE C415 Bottom or top hunged			OFVPLE C415 Side hunged			OFVPPE C415 Bottom or top hunged			OFVPPE C415 Side hunged		
				With : If Lpa <1800mm then Hpa> Lpa/2 If Lpa <1800mm then Hpa> Lpa/3						With : If Lpa <1800mm then Hpa> Lpa/2 If Lpa <1800mm then Hpa> Lpa/3		
	Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum	
LHT (mm)	666	2544	1744	1216	2544	1944	666	2544	1744	1216	2544	1944
HHT (mm)	666	1344	1744	666	944	1044	666	1344	1744	666	944	1044

	OFVPLE C600 Bottom or top hunged			OFVPLE C600 Side hunged			OFVPPE C600 Bottom or top hunged			OFVPPE C600 Side hunged		
				With :Hpa ≤ Lpa /2						With :Hpa ≤ Lpa /2		
	Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum	
LHT (mm)	444	2644	1344	1314	2644		416	1344		786	1344	
HHT (mm)	729	1644	2644	729	1394		591	2644		451	744	

- 3.3 **Mode of operation:** Pneumatic opening and closing
Service pressure 6 to 15 bars (Cylinder volume :13,52NL max)

- 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 di 47eme 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 – 89208434

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

9. Declared performances

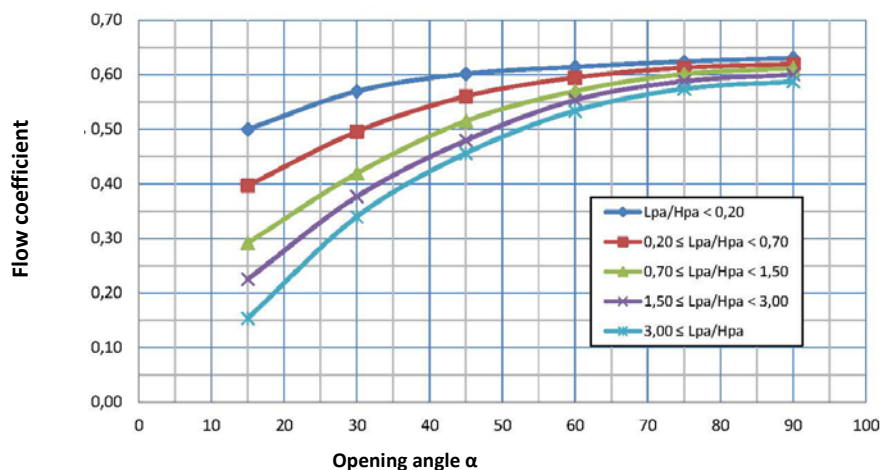
Harmonised technical specification: EN 12101-2:2003	Essential characteristics	Performance
	Nominal activation conditions / sensitivity, as:	
	Initiation device	present
	Opening mechanism	present
	Inputs and outputs	present
	Response delay (response time), as:	
	Reliability	
	Opening under (snow, wind) load	≤ 60 s
	Low ambient temperature	
	Fire Performance	
	Operational reliability, as:	
	Reliability	Re 1000 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as:	
	Aerodynamic free area (see diagrams)	$A_g = A_v * x C_v^{**}$
	Performance parameters under fire conditions, as:	
	Resistance to heat	B ₃₀₀ 30
	Mechanical stability	ΔA _{throat} < 10 %
	Reaction to fire	
	Insulated panel or glass	A1
	Polycarbonate	B-s1,d0
	Performance under environmental conditions, as:	
	Opening under load	SL NPd
	Low ambient temperature	T(00)
	Stability under wind load	WL 1500
	Resistance to wind-induced vibration (where included)	ω ₀ : > 10Hz, δ: > 0,1
	Resistance to heat	B ₃₀₀ 30
	Durability, as:	
	Response delay (response time)	≤ 60 s
	Operational reliability	Re 1000 (+10 000)
	Performance parameters under fire conditions	≤ 60 s; ΔA _{throat} < 10 %

Free aerodynamic surface calculation :

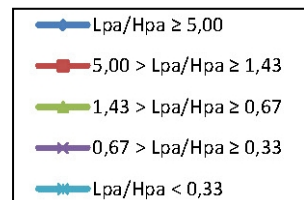
$$A_a = A_v \times C_v^{**}$$

$$A_v = L_{pa} \times H_{pa}$$

**Cv: calculation of flow coefficient



Outward Side



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 19/04/2023
In Collégien

