



Notified Body No. 0370

# CERTIFICATE

No.

0370-CPR-3963

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

**SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT CONTROL VENTILATORS (FANS)**

PRODUCT RANGE: **THGT-HATCH F400**

Place on the market under the name of:

**S&P SISTEMAS DE VENTILACIÓN, S.L.U.**

C/ LLEVANT, 4  
08150 PARETS DEL VALLÈS (BARCELONA)

And produced in the manufacturing plant:

**20/32302498 (EUROPE)**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 12101-3:2015**

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 26<sup>th</sup> June 2020 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 27<sup>th</sup> November 2020.

**The monitoring assessment will be done before 30<sup>th</sup> November 2021**

Bellaterra, 27<sup>th</sup> November 2020

  
**Applus<sup>+</sup>**  
LGAI Technological Center, S.A.  
Xavier Ruiz Peña  
Managing Director, Product Conformity B.U.

*This document is not valid without its technical annex; whose number coincides with that of the certificate.*

*You can check the validity of this certificate on our website: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)*



## 0370-CPR-3963

### CERTIFIED PERFORMANCES

| Essential characteristics   | Clauses in this European Standard | Mandated level(s) or class(es)   |
|---|-----------------------------------|--|
| <b>Response delay</b><br>- Opening under wind load within a given time;<br>- Opening under snow load within a given time.                                 | 4.1.1                             | < 30 s   |
|   |                                   | SL 1000  |
| <b>Operational reliability</b><br>- Application categories;<br>- Motor rating.  | 4.2.2                             | <ul style="list-style-type: none"> <li>• Thermally uninsulated.</li> <li>• Installation outside the smoke reservoir.</li> <li>• Vertical direction of motor shaft.</li> <li>• Direct feed.</li> <li>• Dual purpose use.</li> </ul> |
|   |                                   | 4.2.3  |
| <b>Effectiveness of smoke/hot gas extraction:</b><br>- Gas flow and pressure maintenance during smoke and heat extraction test.                           | 4.3.2                             | +/-20% (Ps)  |
| <b>Resistance to fire</b>   | 4.4                               | F <sub>400</sub> (120)   |
| <b>Ability to open under environmental conditions</b><br>- Opening under wind load within a given time;<br>- Opening under snow load within a given time. | 4.5                               | < 30 s   |
|   |                                   | SL 1000  |
| <b>Durability of operational reliability</b>  | 4.6                               | NPD  |

PASS; NPD = No Performance Determined; NA = Not Applicable

### PRODUCT

#### 1.- Application:

- Extractor tested outside the furnace.
- Extractor F400 (120).
- Vertical direction of motor shaft.

#### 2.- Characteristics:

- Covered fan diameters: from 500 mm up to 1250 mm.
- Motor: "W22" from WEG, F400 motors.
  - From size 80 to 225S/M
  - Up to 45 kW
  - 2, 4, 6, 2/4, 4/6, 4/8, 6/12 poles
  - 50 Hz
  - 400 V +/- 10%

#### 3.- Accessories:

- Actuator Terminal box
- Enclosed switch disconnecter IS series by Gave
- Hatch by Soler & Palau.
- Actuator ZA series by D+HE Mechatronic AG
- Inlet guard protection made by steel wire
- Matching flange
- Motor brace
- Motor support
- JBS-HATCH support base for HATCH installation in horizontal roofs.
- High temperature resistant cable reference "Silicable® MA-CNVA5" by OMERIN.
- High temperature resistant cable reference "SIMH-O-GL2" by BASOGLU.
- Thermal insulation "Panel PIR ALU-T" by Poliuretanos of 50 mm in thickness.
- Joint sealer reference "Firecryl FR" by Soudal

The complete technical data of the certified range **THGT-HATCH F400** are detailed in the technical file and the range report n° 20/18992-702.