

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Notified Body Nr. 0370

No. **0370-CPR-2828**

In compliance with Regulation (EU) Nr.305/2011 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. SMOKE DUCT SECTIONS
STEEL CIRCULAR SINGLE COMPARTMENT SMOKE CONTROL SYSTEM DUCT

Placed on the market under the name of:

LINDAB VENTILATION AB

GREVIE, 26982 BASTAD (SWEDEN)

And produced in the manufacturing plant:

LINDAB S.R.L. - Via Verga 82, 10036 Settimo Torinese – Torino (Italy)
LINDAB KFT. - Állomás u.1/A, 2051 Biatorbágy (Hungary)
LINDAB S.R.O. - Na Hůrce 1081/6, 16100 Prague 6-Ruzyně (Czech Republic)
OY LINDAB AB - 029020 Espoo. Juvan Teollisuuskatu 3 (Finland)
LINDAB AS, SAHA-LOO TEE 4 - Iru küla, 74206 Jõelähtme vald, Harjumaa (Estonia)
OY LINDAB AB - Kankitie 3, 40320 Jyväskylä (Finland)
LINDAB S.R.L. - Soseaua de Centura nr.8, Stefanestii de Jos, Ilfov 077175 Romania
LINDABAG - CH -8112 Otelfingen Industriestrasse 24
LINDAB A/S - Langkaer 20 / 6100 Haderslev (Denmark)
LINDAB VENTILATION BOLIDEN - Fraktgatan 2, 936 21 Boliden, Vasterbotten (Sweden)

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

EN 12101-7:2011

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 29th September 2017 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is modified on 29th April 2022.

The monitoring assessment will be done before 30th June 2023

Bellaterra, 29th April 2022




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

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility



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Annex according to **EN 12101-7:2011**

SMOKE AND HEAT CONTROL SYSTEMS. PART 7: SMOKE DUCT SECTIONS

CERTIFIED PERFORMANCE

ESSENTIAL CHARACTERISTICS	REQUIREMENTS CLAUSES EUROPEAN STANDARD	MANDATED LEVELS OR CLASSES
Fire resistance. Multi-compartment	4.1.1.	NA
Integrity	a)	NA
Insulation	b)	NA
Smoke leakage	c)	NA
Mechanical stability	d)	NA
Maintenance of cross-section (under E)	e)	NA
Fire resistance. Single compartment	4.1.2.	PASS
Integrity	a)	E ₆₀₀ 120 (ho-ve) S 1500 Single
Smoke leakage	b)	E ₆₀₀ 120 (ho-ve) S 1500 Single
Mechanical stability	c)	E ₆₀₀ 120 (ho-ve) S 1500 Single
Maintenance of cross-section (under E)	d)	E ₆₀₀ 120 (ho-ve) S 1500 Single

PASS; NPD = No Performance Determined, NA = Not Apply

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PRODUCT

Main technical specification with details described in the Fabrication Master and Installation Manual of the manufacturer:

- Circular hot-dip galvanized steel smoke extraction duct exposed all along the surface
- Duct tested in horizontal and vertical position up to 1000 mm diameter
- Leakage in accordance to EN 1507:2007.
- Minimum thickness ducts 0,7 mm up to 1000 mm diameter
- Minimum thickness fittings 0,5 mm up to 1000 mm diameter
- Maximum length of individual parts of the duct is 3000 mm
- Ducts are connected with fittings equipped with Lindab Safe connection and intumescent gasket. The fittings are fixed to the duct with self-tapping screws (Ø 4,3x13 mm) or steel blind rivets (Ø 4x10 mm)
- Suspension horizontal spacing between the hangers is 3000mm up to 800 mm diameter and 2300 mm for >800 to 1000 mm diameter. The hangers are made with collars (Lindab UV, DRSN, UVH), M8 threaded rods, nuts and washers.
- Suspension horizontal spacing between the hangers can be 3000 mm for all diameters up to 1000mm, using M10 threaded rods
- Suspension vertical: Support floor

Accessories tested together with the smoke control system:

- **Compensator** SCNPUSS included in the system – FR-090-14-AUNE2, JR-072-14-NURE2
- **Grilles** (Lindab RGS/GRS) – FR-090-14-AUNE2, JR-072-14-NURE2
- **Circular silencers with and without baffles** (Lindab SLUSS2, SLGPUSS2, BSLUSS2) – FR-090-14-AUNE2, JR-072-14-NURE2
- **Threaded insert M12** (type Bollhoff) – EFR-16-H-001517
- **Access door:** Collar saddle(TSTCUSS)+Access door(EPFHSS) report 21-32307167
- Classification of horizontal smoke and heat extraction ducts according to EN 13501-4 standard
- Classification of vertical smoke and heat extraction ducts based on the EN 13501-4 standard

E₆₀₀ 120 (ho-ve) S 1500 single

The certified range's complete for horizontal position data sheet is detailed in the technical file and test report FR-090-14-AUNE2 and classification report with expert judgment JR-072-14-NURE2.

The certified range's complete for vertical position data sheet is detailed in the technical file and test report 21-32307167 and classification report 21-32307167-1