



PAVUS, a.s.
Notified Body 1391
Prosecká 412/74, 190 00 Praha 9 – Prosek
Authorization No. ÚNMZ/SPR/106/4000/18-7 from 20th November 2018

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2021/0043

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Product Regulation or CPR), this Certificate applies to the construction product:

Smoke control damper Lindab SDR1-M

Intended use of the product in the building:

Smoke control damper that is used in smoke control systems in multi compartment applications, either up to 600 °C or at fire temperatures

placed on the market under the name or trade mark of:

Lindab Ventilation AB
Stålhögavägen 115, 269 82 Båstad, Sweden, ID SE556026158701

and produced in the manufacturing plant:

ID 26718405

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

EN 12101-8:2011

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 26th March 2021 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Prague 26th March 2021




Ing. Jan Tripes
executive director – NB 1391

Technical parameters of the assessed product *)

- External dimension of the element: Circular damper – min. Ø 180 mm – max. Ø 630 mm
 Rectangular damper – min. (160 × 180) mm – max. (1 500 × 800) mm
- Construction length: 375 mm – 500 mm
- Starting devices and drives: Belimo
 Schischek
- Leak tightness of the damper according to EN 1751:
 Circular damper:
 - leakage through blade – min. class 2; for Ø 560 mm to 630 mm – class 3
 - case leakage – min. class C
 Rectangular damper:
 - leakage through blade – min. class 2; for 1 500 × 800 mm – class 3
 - case leakage – min. class C
- Underpressure 1500 Pa, overpressure 500 Pa
 Classification according to EN 13501-4:2016 *):
- Circular damper: **EI 120 (v_{ew}-h_{ow} - i↔o)S1500C₁₀₀₀₀AAmulti**
 - Rectangular damper: **EI 120 (v_{ew}-h_{ow} - i↔o)S1500C₁₀₀₀₀AAmulti**
 - In construction with Weichschott **EI 90 (h_{ow}-v_{ew} - i↔o)S1500C₁₀₀₀₀HOT 400/30AAmulti**
 - On duct with grille **EI 120 (h_{od}-v_{ed} - i↔o)S1500C₁₀₀₀₀HOT 400/30AAmulti**
 - On duct without grille **EI 90 (h_{od}-v_{ed} - i↔o)S1500C₁₀₀₀₀HOT 400/30AAmulti**

Assessed product performance

Essential characteristics	Requirement clauses in EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	cl. 4.2.1.3	Closing / opening during the test at the right time	Conforms
Response delay (response time)	cl. 4.2.1.4	< 60 s	Conforms
Operational reliability	cl. 4.4.2.2	C10000	Conforms
Fire resistance – integrity	cl. 4.1.1 a)	E 120, E 90 < 360 m ³ /(h.m ²)	Conforms
Fire resistance – insulation	cl. 4.1.1 b)	EI 120, EI 90	Conforms
Fire resistance – smoke leakage	cl. 4.1.1 c)	EIS 120, EIS 90 < 200 m ³ /(h.m ²)	Conforms
Fire resistance – mechanical stability (under E)	cl. 4.1.1 d)	120/90 min	Conforms
Fire resistance – maintenance of cross-section (under E)	cl. 4.1.1 e)	120/90 min	Conforms
Fire resistance – high operational temperature	cl. 4.1.1 f)	HOT 400/30	Conforms
Durability of response delay	cl. 4.4.2.1	< 60 s	Conforms
Durability of operational reliability	cl. 4.4.2.2	C10000 < 120 s	Conforms

*) Detailed technical parameters and conditions of the final classification according to EN 13501-4:2016 are stated in the Assessment Report of Performance of the Construction product No. P-1391-CPR-2021/0043 of 26th March 2021.



Jan Tripes
Ing. Jan Tripes
 executive director – NB 1391