PAVUS®
FIRE TESTING INSTITUTE

PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek, Czech Republic
Notified Body 1391 Authorization No. SPR/030/4000/24-12 from 16th July 2024

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2026/0051

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 MSD

to be 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:

Mandík, a.s.
Dobřišská 550, 267 24 Hostomice, Czech Republic, 26718405

and produced in the manufacturing plant:

Mandík, a.s.
MANDÍK, a.s., Dobřišská 550, 267 24 Hostomice, Czech Republic

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 13th March 2015 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-2024/0105 of 31st May 2024 issued by NB 1391.

Prague 2nd April 2026

NOTIFIED BODY 1391 PAVUS FIRE TESTING INSTITUTE PAVUS, a.s.

Jan TRIPES, MBA
executive director – NB 1391

Technical parameters and assessed performance are stated in the Annex No.1 of this Certificate of Constancy of Performance.

Verze 6

Technical parameters of the assessed product *)

Cross-section shape:	Rectangular	Circular
Nominal dimensions:	160 × 180 mm - 1500 × 800 mm	DN 180 mm - DN 630 mm
Damper blade thickness:	50 mm	40 mm
Construction length:	Both shapes: 375 mm – 500 mm	

Actuators:
- Belimo: BLE/BEN (15 Nm) / BEE (25 Nm) / BE (40 Nm)
- Schischek: InMax 50.75 (75 Nm)

Control modules: BRC/Mandik MTS, AGNOSYS/MANDGUARD/Mandik CORE, Bustec

Aerodynamic characteristics in accordance with EN 1751:2024:
- Leakage through damper body: **Class ATC3**
- Leakage through damper blade: **Class 2, Class 3**

Under pressure / over pressure: up to **1500 Pa / 500 Pa**

Fire resistance classification in accordance with EN 13501-4:2016:

Rectangular damper: **EI 90 (v_{edw}-h_{odw}) S1500[H]C_{mod}HOT400/30AAmulti**
EI 120 (v_{edw}-h_{odw}) S1500[H]C_{mod}HOT400/30AAmulti

Circular damper: **EI 120 (v_{ew}-h_{ow}) S1500[H]C_{10000}AAmulti**

Assessed product performance

Essential characteristics	Requirement clauses in EN 12101-8	Findings
Nominal activation conditions/sensitivity	4.2.1.3	Conforms 4.2.1.3
Response delay (response time)	4.2.1.4	Conforms 4.2.1.4
Operation reliability	4.4.2.2	$C_{10.000}$, loaded (circular damper) C_{mod}, loaded (rectangular damper)
Fire resistance		
- integrity	4.1.1 a), 4.4.1	E
- insulation	4.1.1 b), 4.4.1	EI
- smoke leakage	4.1.1 c), 4.4.1	ES EIS
- mechanical stability (under E)	4.1.1 d)	-
- maintenance of the cross section (under E)	4.1.1 e)	-
- high operating temperature	4.1.1 f), 4.4.1	HOT 400/30 (rectangular damper)
Durability - response delay	4.4.2.1	Conforms 4.4.2.1
Durability - operational reliability	4.4.2.2	$C_{10.000}$, loaded (circular damper) C_{mod}, loaded (rectangular damper)

*) 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-2026/0051 of 2nd April 2026.

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