



PAVUS, a.s.
Notified Body No. 1391
Prosecká 412/74, 190 00 Praha 9 - Prosek
Decision No. 6/2017-CPR from 25th January 2017

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2018/0208

In compliance with the 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
Halton Sec Stable Circular, Multi (SSC)
Halton Sec Stable Rectangular, Multi (SSR)

Technical parameters of the product:
are stated in the Annex No. 1 of this certificate of constancy of performance

Intended use of the product in buildings:
Multi compartment smoke control dampers that are to be used in smoke and heat control systems at 600°C or under fire conditions.

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

Halton Oy

Haltonintie 1-3, FI-47400 KAUSALA, Finland, Id No: FI 18404345

and produced in the manufacturing plant:

code: Hal 26724

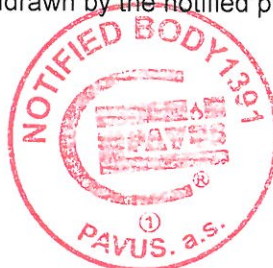
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

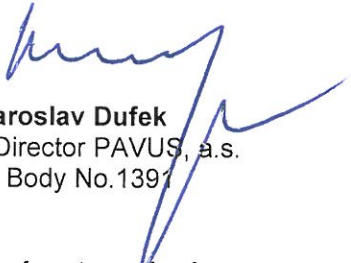
EN 12101- 8:2011

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 29th October 2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

In Prague 29th October 2018




Ing. Jaroslav Dufek
Managing Director PAVUS, a.s.
Notified Body No. 1391

Technical parameters of the product ¹⁾

- External dimension of the element: - circular from min. diameter 180 mm to max. 630 mm
 - square from min. (160 × 180) mm to max. (1 500 × 800) mm
- Construction length: from 375 mm to 500 mm
- Starting devices and drives: - Belimo
 - Belimo with emergency function and electromagnet
 - Joventa with emergency function and electromagnet
- Material versions: - galvanized sheet metal
 - stainless sheet metal
 - painted sheet metal
- Leak tightness of the damper according to EN 1751:2014:
 - circular damper – leakage through blade – min. class 2, diameters from 560 mm to 630 mm – min. class 3
 - square damper – leakage through blade – min. class 2, for max. dimension 1 500 × 800 mm – min. class 3
 - case leakage – min. class C

The classification according to EN 13501-4:2016:

EI 120 (v_{ew}-h_{ow}-i↔o) S1500C₁₀₀₀₀ AAmulti

Assessed characteristics of the product

Essential characteristics	Requirements of EN 12101-8	Findings ¹⁾	Conformity Assessment
Nominal activation conditions/sensitivity	4.2.1.3	Comply with EN 12101-8, 4.2.1.3	Conforms
Response delay(response time)	4.2.1.4	< 60 s, according to EN 12101-8, 4.2.1.4	Conforms
Operational reliability	4.4.2.2	C 10 000	Conforms ²⁾
Fire resistance			
- integrity (E)	4.1.1 a), 4.4.1	E < 360 m ³ /(h.m ²)	Conforms
- insulation (EI)	4.1.1 b), 4.4.1	EI	Conforms
- smoke leakage (EIS)	4.1.1 c), 4.4.1	EIS < 200 m ³ /(h.m ²)	Conforms
- mechanical stability (under E)	4.1.1 d)	E - requirements fulfilled	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	E - requirements fulfilled	Conforms
- high operational temperature	4.1.1 f), 4.4.1	-	NPD
Durability			
- of response delay	4.4.2.1	< 60 s	Conforms
- of operational reliability	4.4.2.2	C 10 000, response time < 120 s	Conforms ²⁾

¹⁾ Detailed technical parameters, fire classification and conditions of final classification according to EN 13501-4:2016 are stated in the Certification Report No. P-1391-CPR-2018/0208 of 29th October 2018.

²⁾ On the request of the producer the cycling test was performed without a load, therefore the damper can change position only before initiation of exhaustion.



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