



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

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2018/0210**

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 Fit Circular, Single (SFC)**

**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:**  
Smoke control dampers that are to be used in smoke control systems, either 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Prague, 29th October 2018



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

## Technical parameters of the product <sup>1)</sup>

External dimension of the element: min. diameter 100 mm to max. 630 mm  
 Construction length: 220 mm  
 Starting devices and drives: - Belimo  
 Material versions: - galvanized sheet metal  
 - stainless sheet metal  
 - painted sheet metal  
 Leak tightness of the damper according to EN 1751:2014:  
 - leakage through blade – min. class 4; diameter 100 mm – class 3  
 The classification according to EN 13501-4:2016:

**E<sub>600</sub> 120 (v<sub>ed-i↔o</sub>) S1500C<sub>10000</sub>MA<sub>single</sub>**

## Assessed characteristics of the product

Essential characteristics	Requirements of EN 12101-8	Findings <sup>1)</sup>	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	4.3.2.2	C 10 000	Conforms
Fire resistance			
– integrity (E)	4.1.1 a), 4.3.1	E < 360 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
– insulation (EI)	—	— <sup>2)</sup>	NPD
– smoke leakage (ES)	4.1.1 c), 4.3.1	E < 200 m <sup>3</sup> /(h.m <sup>2</sup> )	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), 4.3.1	—	NPD
Durability			
– of response delay	4.3.2.1	< 60 s	Conforms
– of operational reliability	4.3.2.2	C 10 000, response time < 120 s	Conforms

<sup>1)</sup> 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-2018/0210 of 29th October 2018.

<sup>2)</sup> For single compartment dampers it is not required/declared.



**Jaroslav Dufek**  
 Managing Director PAVUS a.s.  
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