



**PAVUS, a.s.**  
Notified Body No. 1391  
Prosecká 412/74, 190 00 Praha 9 - Prosek  
Decision No. 27/2013-CPR of 13<sup>th</sup> December 2013

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2016/0167**

In compliance with Regulation 305/2011/EU of European Parliament and of the Council of 9 March 2011 (the Construction Product regulation or CPR), this certificate applies to the construction product:

### **Multiblade smoke control damper BRK-J/EI90/M/HOT and BRK-J/EI90/M/HOT/G**

EI 120 ( $v_{edw} - h_{odw} - i \leftrightarrow o$ ) S1000C<sub>10000</sub> HOT400/30AAmulti  
EI 90 ( $v_{edw} - h_{odw} - i \leftrightarrow o$ ) S1000C<sub>10000</sub> HOT400/30AAmulti

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:

**G&P AIR SYSTEMS VertriebsgmbH**  
Grillgasse 46, A-1110 Vienna, Austria, ID 184174w

and produced in the manufacturing plant:

**AEROPRODUKT ZRT.**  
Szegedi út 1., HU-6640 Csongrád, Hungary

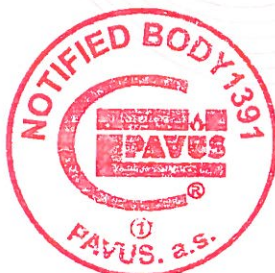
This Certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

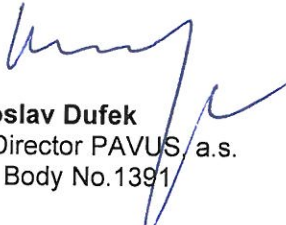
### **EN 12101- 8:2011**

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 11<sup>th</sup> July 2014 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-0092/2014 of 11<sup>th</sup> July 2014 issued by NB 1391.

Prague, 9<sup>th</sup> December 2016



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

### Technical parametres of the product \*)

External dimension of the element: from min. (200 x 150) mm to max. (1 500 x 1 500) mm

Starting devices and drives: - Belimo  
- Gruner  
- Schischek

Material version: - SUPALUX M20 + Promatect H20

Leak tightness of the damper according to EN 1751:  
- over blade min. class 2  
- over case min. class B

The classification according to EN 13501-4:2007+A1:2009 \*):


**EI 120 (v<sub>edw</sub>-h<sub>odw</sub> - i↔o) S1000C<sub>10000</sub> HOT400/30AAmulti**  
**EI 90 (v<sub>edw</sub>-h<sub>odw</sub> - i↔o) S1000C<sub>10000</sub> HOT400/30AAmulti**

### Assessing product performances

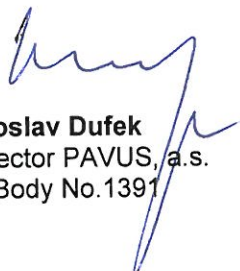
Essential characteristics	Requirement clauses in EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	4.2.1.3	Closure/opening during the test in right time during right period.	Conforms
Response delay(response time)	4.2.1.4	< 60 s	Conforms
Operational reliability	4.4.2.2	C 10 000	Conforms
<b>Fire resistance</b>			
- integrity (E)	4.1.1 a), 4.4.1	E 120, E 90 < 360 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- insulation (EI)	4.1.1 b), 4.4.1	EI 120, EI 90	Conforms
- smoke leakage (EIS)	4.1.1 c), 4.4.1	EIS 120, EIS 90 < 200 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- mechanical stability (under E)	4.1.1 d)	120/90 min	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	120/90 min	Conforms
- high operational temperature	4.1.1 f), 4.4.1	HOT 400/30	Conforms
<b>Durability</b>			
- of response delay	4.4.2.1	< 60 s	Conforms
- of operational reliability	4.4.2.2	C 10 000, < 120 s	Conforms
Resistance against corrosion	5.3 Annex A	Increased resistance against corrosion - Salt spray exposure test (EN 60068-2-52)	Conforms

\*) Detailed technical parametres and conditions of final classification according to EN 13501-4+A1 are stated in the Assessment report of performance of the construction product No. P-1391-CPR-2016/0167 of 9<sup>th</sup> December 2016.

The Multiblade smoke control damper BRK-J/EI90/M/HOT and BRK-J/EI90/M/HOT/G fulfils also all the prescribed requirements of the standard ÖNORM H 6033.


1391
G&P AIR SYSTEMS VertriebsgmbH Grillgasse 46, A-1110 Vienna, Austria 16 1391 – CPR - 2016/0167
EN 12101-8 Smoke control damper type/model: Multiblade smoke control damper BRK-J/EI90/M/HOT and BRK-J/EI90/M/HOT/G
Classification EI 120 (v <sub>edw</sub> -h <sub>odw</sub> - i↔o) S1000C <sub>10000</sub> HOT400/30AAmulti EI 90 (v <sub>edw</sub> -h <sub>odw</sub> - i↔o) S1000C <sub>10000</sub> HOT400/30AAmulti



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