

DECLARATION OF PERFORMANCE (DoP)

No. 10037-SMR-2019/01/01

1. Unique identification code of the product type:

Halton Sec Mighty Rectangular (SMR)

Smoke control damper, fire resistance classes

Horizontal duct	EI 120 (v _{ed} - i↔o) S 1000C ₁₀₀₀₀ AAmulti
	EI 120 (v _{ed} - i↔o) S 1000C ₁₀₀₀₀ MAmulti
Vertical duct	EI 120 (h _{od} - i↔o) S 1000C ₁₀₀₀₀ AAmulti
	EI 120 (h _{od} - i↔o) S 1000C ₁₀₀₀₀ MAmulti
Walls	EI 120 (v _{ew} - i↔o) S 1000C ₁₀₀₀₀ AAmulti
	EI 90 (v _{ew} - i↔o) S 1500C ₁₀₀₀₀ AAmulti
	EI 90 (v _{ew} - i↔o) S 1500C ₁₀₀₀₀ MAmulti ²⁾
Floor/ceiling	EI 120 (h _{ow} - i↔o) S 1000C ₁₀₀₀₀ AAmulti
	EI 90 (h _{ow} - i↔o) S 1500C ₁₀₀₀₀ AAmulti
	EI 90 (h _{ow} - i↔o) S 1500C ₁₀₀₀₀ MAmulti ²⁾

2. Intended use:

Multi compartment smoke control dampers that are to be used in smoke and heat control systems at 600°C or under fire conditions.

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Halton Oy
Haltonintie 1-3
47400 Kausala
FINLAND
Tel. +358 (0)20792 200
Code: Hal 26724

4. System of AVCP:

System 1
See Regulation (EU) No. 305/2011 (CPR) Annex V, 1.2.

5. Harmonised standard:

EN 12101-8:2011

6. Notified body:

Notified body No. 1391
PAVUS, a.s.
Prosecká 412/74, 19000 Praha 9-Prosek
CE certificate of Constancy of Performance No: 1391-CPR-2018/0206

7. Declared performance/s of Halton Sec Mighty Rectangular (SMR)

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
Fire resistance			
- Integrity	4.1.1, a), 4.4.1	E < 360 m ³ / (h.m ²)	Conforms
- Insulation	4.1.1, b), 4.4.1	EI	Conforms
- Smoke leakage	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 the cross section (under E)	4.1.1, e)	E-requirements fulfilled	Conforms
- High operational temperature	4.1.1, f), 4.4.1	HOT 400/30 according to EN 12101-8, 4.1.1 f)	Conforms
Durability of response delay: - sensing element response to temperature and load bearing capacity	4.4.2.1	< 60 s	Conforms
Durability of operational reliability: - open and closing cycle tests	4.4.2.2	C 10 000, response time < 120 s	Conforms

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-2018/0206 of 29th October 2018.

²⁾ Smoke control dampers will not be in the open position at the beginning of smoke danger in practice.

8. The performance of the product identified in point 1 is in conformity with the set of declared performance/s.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 (CPR), under the sole responsibility of the manufacturer identified in point 3.

Copy of Declaration of Performance (DoP) for Halton Sec Mighty Rectangular (SMR) is available on website:

www.halton.com

Signed for and on behalf of the manufacturer by:

Raimo Parkkila – Manager, System and Product Development

Kausala, 01.01.2019

