

1. **Product:** Smoke Control Damper ESAR
2. **Intended use:** Smoke control dampers that are to be used in smoke control systems in single compartment applications at temperatures up to 600°C
3. **Manufacturer:** FläktGroup Finland Oy, Kalevantie 39, FI-20520 Turku, Finland
Tel. +358204423000, Email: info.fi@flaktgroup.com
4. **System of AVCP:** System 1
5. **Harmonized standard:** EN 12101-8:2011
6. **Notified Body:** MPA Braunschweig, Germany, Nr. 0761
Performed determination the product type on the basis of type testing; initial inspection of the manufacturing plant and of factory production control; continuous surveillance, assessment and evaluation of the factory production control (FPC) under system 1 and issued: **certificate of constancy of performance - EC Certificate of Conformity 0761-CPR-0278.**

7. **Declared performance:**

| Essential characteristics | Performance |
|--|--|
| Nominal activation conditions/sensitivity | Pass |
| Response delay (response time) | Pass |
| Operational reliability | Pass / C ₁₀₀₀₀ |
| Fire resistance | |
| - integrity MA (with protection cover) | E ₆₀₀ 120 (h _{odw} -i↔o) S1000 C ₁₀₀₀₀ MA single E ₆₀₀ 120 (v _{edw} -i↔o) S1000 C ₁₀₀₀₀ MA single |
| - integrity AA (without protection cover) | E ₆₀₀ 120 (h _{odw} -i↔o) S1000 C ₁₀₀₀₀ AA single E ₆₀₀ 120 (v _{edw} -i↔o) S1000 C ₁₀₀₀₀ AA single |
| - insulation | - |
| - smoke leakage | E ₆₀₀ 120 S |
| - mechanical stability (under E) | Pass |
| - maintenance of the cross section (under E) | Pass |
| Durability | |
| - of response delay | Pass |
| - of operational reliability | Pass / C ₁₀₀₀₀ |

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Jari Hokkanen, R&D Manager

Turku 14.08.2018

