

1. **Product:** Smoke Control Duct ESAD
2. **Intended use:** Smoke control duct sections that are to be used in smoke control systems, either at 600°C or under fire conditions
3. **Manufacturer:** FläktGroup Finland Oy, Rydönnotko 1, FI-20360 Turku, Finland
Tel. +358204423000, Email: info.fi@flaktgroup.com
4. **System of AVCP:** System 1
5. **Harmonized standard:** EN 12101-7:2011
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-0277.**
7. **Declared performance:**

Essential characteristics	Performance
Fire resistance:	Single Compartment Installations Pressure level 3 - 1500 Pa
- integrity	E ₆₀₀ 120
- insulation	-
- smoke leakage	E ₆₀₀ 120 S
- mechanical stability (under E)	Pass
- maintenance of the cross section (under E)	Pass

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 25.03.2021



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PRODUCT CODE	SPECIFICATION
FDR-aaaa-bbbb-cccc	Connection piece for ESAS and ETPS-E dampers
IRIS-aaaa	IRIS damper
BDEB-90-022.....100	Bend - 90° (Segment)
BDEB-90-010.....020	Bend - 90° (Pressed)
BDEG-4-bbb	Lid
BDEG-1-bbb	Lid, fit-on
BDEN-1-bbb	Joint
BDEM-1-bbb	Joint
BDEB-45-bbb	Bend - 45°
BDEB-30-bbb	Bend - 30°
BDEB-15-bbb	Bend - 15°
BDEB-60-bbb	Bend - 60°
BDET-1-D1-d1	T-piece
BDKF-2-D1-d1	Reducer
BDKF-4-D1-d1	Reducer
BDEA-6-bbb	Branch
BDEA-5-bbb	Branch
BDKU-aaa	Branch with mesh
FND-aaa	Grille for ESAR and ETPR dampers
FNR-aaaa-bbbb-c-d	Grille for ESAS ja ETPS-E dampers
BDEC-1-bbb	Branch
ESAD-A-BBB	ESAD smoke control duct
EFLE-aaa-1	Flexible connection piece
BDED-1-bbb-ccc	Reducer
BDED-3-bbb-ccc	Reducer
BDEX-1-bbb-ccc	T-pieces and cross
BDEA-1-bbb-ccc	Branch
BDER-aa-bbb-ccc	Sound absorber
BDKL-1-bbb	Cleaning cover