

Swedish Technical Approval

SC0234-16

and decision on production control, in accordance with chapter 8, 22 and 23 §§ Planning- and Building Act (2010:900), PBL

Ventilation silencer TOC and TOKC for steel ducts

Holder

Ciecholewski-Wentylacje Sp z o.o., Koźmin 30, PL-83-236 Pogódki, Poland

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Product

TOC, circular ventilation silencer of galvanised steel sheet casing and internal absorbent of mineral wool, internal diameter 80-630 mm, length 300, 600, 900 or 1200 mm, fire resistance class E 120. May be used in class EI 30 if distances to evacuation routes, distances to combustible material comply with requirements as specified in associated documents.

TOKC, rectangular ventilation silencer of galvanised steel sheet casing and internal absorbent of mineral wool, internal diameter 80-400 mm, length 500 or 1000 mm, fire resistance class E 120. May be used in class EI 30 if distances to evacuation routes, distances to combustible material comply with requirements as specified in associated documents.

Intended use

Ventilation silencer for circular steel ducts in air handling systems.

Trade name

TOC, TOKC

Approval

The product satisfies the requirements set forth in chapter 8, 4 § 2, 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) issued by the National Board of Housing, Building and Planning:

Fire resistance class E 120	5:231
Fire technical alternatives ¹⁾	5:112 (BFS 2011:27, section 4.1.3)
Air handling installations	5:526
Material	6:11
Microorganisms ²⁾	6:24
Tightness ³⁾	6:255
Heating, cooling and air handling installations	9:51

- 1) The product may be used where fire resistance class EI 30 is required, if distances to evacuation routes, distances to combustible material comply with requirements as specified in associated documents.
- 2) An air treatment unit for supplied air must have filters of at least class F7 in accordance to EN 779. The product must not be installed in ducts that carry air which contains greasy or sticky compounds.
- 3) The duct system including the sound absorber is tested in accordance to EN 12237. The system satisfies tightness class A, B, C and D.

Associated documents

User manual for TOC/TOKC silencer, dated 24.04.2017.
Product data sheet TOC, dated 24.04.2017.
Product data sheet TOKC, dated 24.04.2017.

Control

The factory production control (FPC) is monitored by an independent inspection body.
Control agreement: Ref no. 210-16-0091, Inspection body: SP Technical Research Institute of Sweden.

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this approval is based.


Manufacturer

Production control includes the following site:
Ciecholewski-Wentylacje Sp z o.o., Pogódki, Poland.

Marking

The product is to be marked at the factory. The marking consists of a sign, label or text on every product supplied and includes:

Approval holder
Manufacturing site
Boverket's registered trademark
Certification body and accreditation number
Product type designation
Approval number
Fire resistance class
Consecutive manufacture No./date of production
Inspection body

CIEHOLEWSKI, WENTYLACJE
Pogódki

SP Certifiering 1002
e.g. **TOC-630/50/900**
SC0234-16
E 120
Order no./date
SP

Basis for approval

Report no. 5P00255 and 5P00255-01 from SP.
Report no. 10/2015 from New Energy Sp. Z o.o. SKA.
Report no. 139/16/230/M-1 from Materialow Budowlanych "IZOLACJA".
Report from Innovative Service Enterprice "Omnisfera Ltd.".
Drawing no 001, dated 24.04.2017.
Drawing no 002, dated 17.11.2014.



Comments

Associated documents should follow each product.

If the product is projected by the condition of a safety distance, the installer shall attach a warning label clearly visible on the installed product. Warning label can be ordered from the holder of the certificate.

This certificate replaces the previous certificate with the same number dated 26 October 2016.

Period of validity

This approval is valid until 25 October 2021.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

SP Technical Research Institute of Sweden Certification

Johan Åkesson

Per Adolfsson