

Ventilation silencer SORDO-A

Holder/Issued to

Swegon Operations AB

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Product description

SORDO-A, circular ventilation silencer of galvanized sheet steel with internal insulation from mineral wool. Circular connection 100-400 mm, length 500, 800 or 1100 mm, fire resistance class E 120. The product may be used where fire resistance class EI 30 – EI 120 is required, if distances to evacuation routes and distances to combustible material comply with requirements as specified in associated documents.

Intended use

Ventilation silencer with circular connections for ventilation ducts in sheet steel.

Trade name

SORDO-A

Approval

The product satisfies the requirements set forth in chapter 8, 4 § 2, 3 and 6 PBL, in respect to and under conditions stated in this approval, and is 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
Air tightness ³⁾	6:255
Heating, cooling and air handling installations	9:51

- 1) The products may be used where fire resistance class EI 30 – EI 120 is required, if distances to evacuation routes and distances to combustible material comply with requirements as specified in associated documents.
- 2) An air treatment unit for supplied air must have filter of at least class F7 in accordance with 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 ventilation silencer is tested in accordance with EN 12237. The system satisfies tightness class D.

Associated documents

User manual "CLA-A, CLA-B, SORDO-A, -B, -C, -P, Installation – Maintenance", dated 2018-02-12.
Catalogue data sheet "SORDO-A, Sound attenuator for circular ducts", dated 2019-12-07.

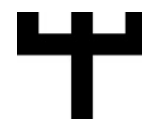
Type approval SC0480-18 | 2020-06-18

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2018-01-16



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Control

The factory production control (FPC) is monitored by an independent inspection body.
Control agreement: Ref no. 210-99-0496, Inspection body: RISE Research Institutes of Sweden AB.

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents. Further, the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

Manufacturing place

Production control includes the following place: Swegon Operations AB, Arvika, Sweden

Marking

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

Holder
Manufacturing place
Product type designation
Consecutive manufacture no
Type approval number
Fire resistance class
Tightness Class
Boverket's registered trade mark
RISE Accreditation number
Certification body and Inspection body

Swegon Operations AB
Arvika
SORDO-A
batch number
SC0480-18
E 120
D
†
1002
RISE

Basis for approval

Reports no. EUFI29-19003013-T2, EUFI29-1045-T1 and EUFI29-20001045-T2 from Eurofins Expert Services Oy. Reports no. 8P03995, 8P03995-1, 8P03995-2, 8P06713A and 8P09166 from RISE Research Institutes of Sweden.

Drawings according to "Ritningsförteckning Sordo 100-400", dated 2020-06-11.

Comments

Assembling instructions shall be supplied together with each product.

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

This approval supersedes the previous approval with the same number dated 2018-12-12.

Validity

Valid through 2023-12-11.

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.

Annika Hermodsson

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.

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