

# Flexovent circular spiral duct work system

Holder/Issued to

**Flexovent OÜ**

Akadeemia tee 39, EE-13520 Tallinn, Estonia

### Product description

Flexovent circular spiral ducts and duct work elements manufactured from galvanized sheet steel with sealings by EPDM-rubber.

Steel quality and dimensions as follows:

Galvanized sheet steel with the designation DX51D + Z275 according to EN 10346.

Coating Z275 meets corrosion class C3 according to EN ISO 12944-2 and AMA VVS & Kyla 22.

The Swedish technical approval includes dimensions Ø 100-1250 mm with steel sheet thicknesses as follows.

DUCTS	STEEL SHEET THICKNESS
Ø 100 - 500 mm	≥ 0,5 mm
Ø 560 - 630 mm	≥ 0,6 mm
Ø 710 - 800 mm	≥ 0,7 mm
Ø 900 - 1250 mm	≥ 0,9 mm

Supports for ductwork:

The maximum distance between the supports shall be 3000 mm for uninsulated ducts and 2000 mm for insulated ducts, the maximum distance between support and joint is 500 mm.

### Intended use

Distribution of air with demand for air tightness class D according to EN 12237:2003, in buildings.

### Trade name

Flexovent circular duct work system

### Approval

The product satisfies the requirements set forth in chapter 8, 4 § 2 and 3 PBL, in respect to and under conditions stated in this type approval, 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.

Air treatment installation, generally*	5:526
Materials	6:11
Microorganisms	6:24
Ventilation	6:25
Installations	6:254
Tightness**	6:255

\* Material class A2-s1,d0. Sealing rings has no requirement (class F).

\*\* Ducts and duct components fulfils tightness class D according to EN 12237 and AMA VVS & Kyla 22 figure AMA Q/1.

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## Associated documents

Installation instruction dated 14.05.2024.

## Control

The factory production control (FPC) is monitored by an independent inspection body.  
Control plan: Ref no. 210-19-0114 dated 2019-05-28 (CR 042), Inspection body: RISE

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 type 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 type approval is based.

## Manufacturing place

Production control includes the following place:  
Flexovent OÜ, Akadeemia tee 39, EE-13520 Tallinn, Estonia

## Marking

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

Holder	Flexovent OÜ
Manufacturing place	Tallinn
Consecutive manufacture no./date of production	no./date
Type approval number	SC0846-18
Boverket's registered trade mark	✚
RISE Accreditation number	1002
Inspection body	RISE

## Basis for approval

Test reports 8P09931B and 1216284-01B and inspection report 1216284-01A from RISE.

## Comments

The products are tested according to EN 12237:2003 with the headline "Ventilation for buildings – Ductwork – Strength and leakage of circular sheet metal ducts". The ductwork system fulfils the requirements for tightness class D at 2000 Pa overpressure and at 750 Pa negative pressure.

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2019-06-05

## Validity

Valid through 2029-05-26.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

A handwritten signature in blue ink, appearing to read 'Stefan Coric'.

Stefan Coric

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