

Veloduct Circular Duct System

Holder/Issued to

FläktGroup Sweden AB

Box 84, 153 22 Järna, Sweden

Product description

Circular spiral ducts and duct component made of metallized sheet steel as below:
Hot-dip galvanized steel plate with the designation DX51D + Z275 according to EN 10346.
Surface coating with Z275 meets corrosivity class C3 according to AMA VVS & Kyla 22 and SS-EN ISO 12944-2.
Duct components are provided with seal rings of EPDM rubber.

Dimensions

The Swedish technical approval includes dimensions 63 - 1250 mm according to dimension standard EN 1506.

Plate thickness ducts:

Ø 63 - Ø 250 mm = 0,4 - 0,5 mm
Ø 280 - Ø 500 mm = 0,5 - 0,7 mm
Ø 560 - Ø 710 mm = 0,7 mm
Ø 800 mm = 0,7 - 0,9 mm
Ø 900 - Ø 1250 mm = 0,9 mm

Suspension/fastening/pendulum bar

The ducts shall be provided with a suspension of max 500 mm from each joint and the maximum distance between uninsulated duct hangings is 3000 mm and for insulated ducts 2000 mm.

Intended use

Circular ventilation ducts for distribution of air with demand for air tightness class D in buildings.

Trade name

Veloduct

Approval

The products satisfy 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, general*	5:526
Materials	6:11
Microorganisms	6:24
Ventilation	6:25
Installations	6:254
Tightness**	6:255

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

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

Type Approval 1718/88 | 2022-12-06

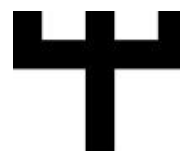
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Associated documents

Round Ducting Veloduct, Technical data, DC_3374GB_20220919_R7

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. 210-99-0024 dated 2005-05-27, 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 places

Production control includes the following places:

FläktGroup Sweden AB, Fläktvägen 2, 153 35 Järna, Sweden (1)

FläktGroup Finland Oy, Rydönnotko 1, 20360 Åbo, Finland (3)

Vento NV, Bedrijvenpark Coupure 5, 9700 Oudenaarde, Belgium (7)

Air Group Oy, Ruusulentie 3, 37830, Akaa, Finland (8)

FläktGroup Poland Sp. Z o.o., Poludniowa 2, 05-850 Ożarów Mazowiecki, Poland (9)

Marking

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

Holder	FläktGroup Sweden AB
Manufacturing place/Factory code	Number according to manufacturer
Product type designation	Veloduct
Consecutive date of production	Date
Type approval number	1718/88
Tightness class	D
Boverket's registered trade mark	
RISE Accreditation number	1002
Certification body and Inspection body	RISE

Basis for approval

Test reports P107584-21B and P107584-21C from RISE and inspection reports AO-0007040, P107584-21A, O100177-1109085A, AO-0006973 and 1157686-01A.

Comments

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

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 2018-02-22.

Validity

Valid through 2027-12-05.

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.