

Circular ventilation duct VENT type D

Holder/Issued to

C Hallströms Verkstäder AB

Näldenvägen 23, SE-835 40 Nälden, Sweden

Product description

Ventilation system consisting of circular spiral ducts and duct components, manufactured from galvanized sheet steel with sealings by EPDM-rubber.

Ducts and duct components manufactured from hot-dip galvanized sheet steel with designation DX51D + Z275 according to EN 10346:2015. Coating Z275 meets corrosion class C3 according to AMA VVS & Kyla 2019.

Dimensions: \varnothing 80-1250 mm according to the dimensional standard EN 1506:2007.

Diameter and plate thickness/wall thickness:

- \varnothing 80 - 160 mm = minimum 0,4 mm
- \varnothing 180 - 250 mm = minimum 0,45 mm
- \varnothing 270 - 315 mm = minimum 0,5 mm
- \varnothing 350 - 400 mm = minimum 0,55 mm
- \varnothing 450 - 500 mm = minimum 0,6 mm
- \varnothing 550 - 630 mm = minimum 0,7 mm
- \varnothing 710 - 800 mm = minimum 0,8 mm
- \varnothing 900 - 1250 mm = minimum 0,9 mm

Distance between the suspensions: The dimensioning of the ductwork hangers and supports shall be in accordance with the instructions in SS-EN 12236:2002.

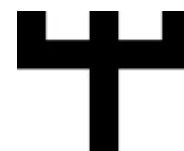
Ducts and duct components with tightness class D according to EN 12237:2003.

Intended use

Ventilation ducts for distribution of air, with demand for air tightness class D.

Trade name

VENT typ D



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. Packing no requirement (class F).

** Ducts and duct components fulfill tightness class D according to EN 12237:2003 and VVS AMA & Kyla 2019, figure AMA Q/1.

Associated documents

Assembly instruction, dated 2021-05-17.

Control

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

Control plan: Ref no. 310-95-0140 dated 2005-03-23, 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 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:

C Hallströms Verkstäder AB, Näldenvägen 23, Nälden, Sweden

C Hallströms Verkstäder AB, Åsbacken 7, Ås, Sweden

C Hallström Oy, Nuolikuja 15, Vantaa, Finland

Marking

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

Holder	C Hallströms Verkstäder
Manufacturing place	Jämtland alt. Vantaa
Consecutive manufacture no.	No.
Type approval number	1666/78
Air tightness class	Air tightness class D
Boverket's registered trade mark	
RISE Accreditation number	1002
Certification body and Inspection body	RISE

Basis for approval

Test report P107340-20B and inspection reports P107340-20A and ca865544 from RISE Research Institutes of Sweden AB.

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 ducts fulfil tightness class D (2000 Pa overpressure and -750 Pa negative pressure). Coating Z275 meets corrosion class C3 according to AMA VVS & Kyla 2019.

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 2016-05-09.

Validity

Valid through 2026-10-17.

Validity of this type approval can be verified on our website.

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.

Ronald Green

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.