

SWEDISH TECHNICAL APPROVAL 1666/78

and decision on production control in accordance with 18-20 § Law (1994:847) on technical specification requirements for construction work, etc., BVL

KEY WORD: **AIR TREATMENT INSTALLATIONS**
Ventilation ducts and parts of ducts

DUCT WORK SYSTEMS HITAC TYPE C AND TYPE D

Holder	C Hallströms Verkstäder AB, Näldenvägen 23, 830 44 NÄLDEN, Sweden Tel: +46 640-176 00. Telefax: +46 640-176 20, E-mail: info@hallstroms.com, Homepage: www.hallstroms.se, org/vat nr: 556073-5630		
Product	Round spiral ducts, duct work elements and sound damper manufactured from galvanized sheet steel with sealings by EPDM-rubber. The ventilation systems are intended for assembly in the maximum environmental class M2 according to BSK 94 or C3 according to ISO 9223, ISO 12944-2 and BSK 99 Dimension range: Class C Ø 63 - Ø1250 mm, class D Ø 63 - Ø 800 mm.		
Intended use	Duct work system HITAC type C: Distribution of air with demand for air tightness class C*. Duct work system HITAC type D: Distribution of air with demand for air tightness class D*. Sound damper LCD: Distribution of air with demand for air tightness class C**. *In according to SS-EN 12237 and VVS-AMA 98, 57 Air treatment system. **Sound damper LCD according to VVS-AMA 98, 57 Air treatment system.		
Trade name	HITAC type C respective HITAC type D and sound damper LCD.		
Approval	The products satisfy the requirements set forth in 2 § 2, 3 BVL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of the Building Regulations issued by the National Board of Housing, Building and Planning (BBR)		
	Material for air management installations	5:651	1 st paragraph
	Material	6:11	
	Sealing (air tightness class C alternative D)	6:255	



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2007-12-05

Certificate No. 1666/78

Appurtenant documents	" Assembly instructions for ventilating system HITAC. Type Approval No. 1666/78", dated 28 November 2002.	
Control	Production inspection must be carried out in accordance with inspection instructions dated 2005-03-21 and reference number 310-95-0140. An independent third-party body, SP Technical Research Institute of Sweden, audits the control.	
	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 requirements stated in the approval and the appurtenant 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 certificate is based.	
Manufacturer	The decision on production control is valid for following site of manufacture: C Hallströms Verkstäder AB, Nälden and Jönköping in Sweden and Linjatie 5, 01260 Vantaa in Finland.	
Marking	The products are to be marked at the factory. The marking consists of a label on every products/packing supplied and includes:	
	The products is marked with:	
	Boverket's registered trademark	†
	SITAC's accreditation number	SITAC 1422
	Number of the type approval certificate	1666/78
	The packing is marked with:	
	Manufacturer's name and site of manufacture	C Hallströms Verkstäder AB, Nälden in Sweden or C Hallströms Verkstäder AB, Jönköping in Sweden or C Hallströms Verkstäder AB, Vantaa in Finland
	Boverket's registered trademark	†
	SITAC's accreditation number	SITAC 1422
	Product type designation	HITAC typ C eller HITAC typ D or sund damper LCD
	Number of the type approval certificate	1666/78
	Air tightness class (C alternative D)	C respective D
	Dimension in mm.	Dimension in mm.
	Consecutive manufacture No/date of production	No/date
	Inspection body	SP



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Certificate No. 1666/78**Basis for approval**

Report No. 97E2 1785A, 97E2 1785B, 99E2 2711 B, P0 04503, E4 0017, 98E2 2078A and 98E2 2078B from SP. Report no. P0 04503-3, P205817-1 and P004503-5B from supervisory production inspection performed by SP.

Comments

The products meet all the requirements of strength and air tightness according to SS-EN 12237.
The products meet all the requirements of strength according to the earlier standards SS 827209 and SS 827208.

This approval supersedes previous certificate with the same number dated 2005-05-12 and Reg. No. T000676-03.

Period of validity

This approval is valid until 2012-12-04.

The formal validity of an approval expires after the transitional period for the harmonised specification that makes it possible to CE-mark the product. However, the technical assessment showing that the product fulfils the requirements in the building regulations, issued by the Swedish National Board of Housing, Building and Planning, is not affected.

Johan Åkesson

Ingvar Pettersson