

TYPE APPROVAL CERTIFICATE 2150/80

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

KEYWORD: AIR TREATMENT INSTALLATIONS

BSAB QM

FRESH 80 and FRESH 80-dB external air vents

Owner	FRESH AB, Box7, S-360 32 GEMLA, Phone +46 (0)470 70 77 00, Fax +46 (0)470 70 77 39. Internet: www.fresh.se
Product	External air vent made from ABS plastics material. The vent is equipped with a string for adjusting the air gap in the vent to two positions. The air gap is adjusted by an adjustment screw in the outer housing. The vent is delivered in the closed position.
Intended use	External air vent intended for ventilation of residential property. The vent is intended to be located on an external wall.
Approval	The products satisfy the requirements set forth in 2 § 3 BVL, in respect to and under conditions stated in this certificate, and are therefore is 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 in air treatment installation 5:651, 1:st para
	Installations, general 6:241, 4:th para *)
	Material and construction 6:242
	Air speed 6:244

The external air vent, installed as above, is approved for installation in residential property with an air treatment installation system type F.

~~The approval assumes that ventilators installed in rooms for daily activities, sleep, and rest should be adjusted to give a minimum gap of 10 mm.~~

*) Approval related to BBR 6:241 4:th para assumes that the ventilator is installed in such a way as to permit flow measurement and to facilitate adjustment and cleaning.

Appurtenant documents	1) Installation instruction, "FRESH 80 and FRESH 80-dB, FRESH 100 and FRESH 100 dB, dated March 1992.
	2) Brochure, "FRESH 80 and FRESH 100, FRESH AIR VENTS," dated 30 July 1995.

Inspection	Production control is to be performed in accordance with the instructions for control plan dated 21 August 1995, with supplementary inspection instructions rev. no. 02, dated 24 Jan 2000. When the product is delivered to the building site, it must be accompanied by a certificate which certifies that manufacture has taken place in accordance with the documents which formed the background to this certificate.														
Manufacturer	The manufacturing inspection regulations encompass the following manufacturing site: Fresh AB, Gemla.														
Marking	The product shall be marked at the factory. Marking of each supplied product shall include: <table> <tr> <td>Manufacturer's name and city of manufacture</td><td>FRESH AB, GEMLA SWEDEN</td></tr> <tr> <td>The packaging shall be marked:</td><td></td></tr> <tr> <td>Product type designation</td><td>Fresh 80</td></tr> <tr> <td>Swedish National Board of Housing and Physical Planning Registered Logotype</td><td></td></tr> <tr> <td>SITAC's accreditation number</td><td>SITAC 1422</td></tr> <tr> <td>Type approval certificate number</td><td>2150/80</td></tr> <tr> <td>Serial number or date</td><td>No.</td></tr> </table>	Manufacturer's name and city of manufacture	FRESH AB, GEMLA SWEDEN	The packaging shall be marked:		Product type designation	Fresh 80	Swedish National Board of Housing and Physical Planning Registered Logotype		SITAC's accreditation number	SITAC 1422	Type approval certificate number	2150/80	Serial number or date	No.
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Basis for approval	Test report from SIB, dated 12 June 1980. Revised instruction/routine dated 21 Jan 2000 in the quality plan for the Fresh quality assurance system.														
Comments	At a pressure drop of 10 Pa, , the Fresh 80 gives an air flow of 5 l/s (10 mm air gap and only the standard filter. Type approval refers to the external air vent. The air treatment installation must fully comply with applicable sections of BBR sections 2:4, 3:3, 5 and 7 to obtain the intended function. The quality assurance plan forms part of Fresh's quality assurance system, certified under ISO 9001 by Bureau Veritas Quality International (Certificate No. 13208). This certificate replaces a previous certificate with the same number dated 30 June 1996 and diary number 83-1085/94.														
Validity	This approval is valid until 21 December 2006.														



Tor Bakke



Johan Åkesson

TYPGODKÄNNANDEBEVIS 0715/97

med beslut om tillverkningskontroll enligt 18-20 § lagen (1994:847) om tekniska egenskapskrav på byggnadsverk, m.m., BVL

SAKORD: LUFTBEHANDLINGSINSTALLATIONER
Uteluftsdon

BSAB QM

FRESH 90 Uteluftsdon

Innehavare FRESH AB, Box 7, S-360 32 GEMLA, Tel: +46 (0)470 70 77 00,
Fax: +46 (0)470 70 77 39 , Hemsida: www.fresh.se

Produkt Uteluftsdon tillverkat av ABS-plast. Luftmängden regleras steglöst via ett reglage på frontkåpans undersida. Spjällbladet är försett med en plugg som kan tas bort så att ett grundflöde upprätthålls. Donet placeras så att flödesmätning kan göras och att injustering och rengöring underlättas.

märkningen, tillses att rätt produkter levererats och att utförande och montering överensstämmer med tillhörande handlingar. Dessutom skall kontrolleras att produkten åtföljs av en tillverkarförsäkran, som intygar att tillverkning skett i enlighet med de handlingar som legat till grund för detta bevis.

Tillverkare	Föreskrifterna om tillverkningskontroll omfattar följande tillverkningsställe: Fresh AB, Gemla
Märkning	Produkten skall vid fabrik förses med märkning. Märkningen på varje levererad produkt omfattar: Tillverkarens namn och tillverkningsort FRESH AB, GEMLA Emballaget skall vara märkt med: Produktens typbeteckning Fresh 90 Boverkets inregistrerade varumärke + SITAC:s ackrediteringsnummer SITAC 1422 Typgodkännandebevisets nummer 0715/97 Löpande tillverkningsnummer eller -datum
Bedömnings- underlag	Rapport nr 96E2 1421 från Sveriges Provnings- och Forskningsinstitut (SP). Ritning F90, daterad 970314.
Kommentarer	Vid fullt öppet spjällblad ger Fresh 90 ett luftflöde av 10 l/s. Typgodkännandet avser endast uteluftsdonet. För att avsedd funktion skall erhållas skall luftbehandlingsinstallationen i sin helhet uppfylla tillämpliga delar ur BBR avsnitt 2:4, 3:3, 5 och 7. Kvalitetsplanen ingår i Fresh:s kvalitetssystem certifierat mot ISO 9001 av Bureau Veritas Quality International. Detta bevis ersätter tidigare bevis med samma nummer daterat 1997-08-21 och diarienummer 83-0715/97.
Giltighetstid	Godkännandet gäller t o m 2007-09-03.



Johan Åkesson



Ronald Green