



MARINE DIVISION

Certificate number: 10809/B5 EC

File number: ACI 1000/327/004

Annex A1 Item number: A.1/3.27b

USCG Module B number:
164.138 / EC0062

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

as per Module B of European Union Council Directive 96/98/EC on marine equipment

as amended by Commission Directive 2009/26/EC

This certificate is issued to

HALTON Oy
Lahti - FINLAND

for the type of product

PENETRATIONS THROUGH 'B' CLASS DIVISIONS: PIPE, DUCT, TRUNK, etc, PENETRATIONS

Single or double air flow pattern, manual or automatic, ventilating units, types "HMR", "HMF", "HMM", "HME", "HMC/TCL"

Requirements:

SOLAS 74 Convention, as amended, Regulation II-2/9.3.2 - IMO Resolution MSC 61(67) [FTP Code] Annex 1, Part 3 and Annex 2 - IMO Resolution A.754(18) - IMO MSC/Circ.1120.

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 06 Feb 2013

For BUREAU VERITAS Notified Body 0062,

At BV HELSINKI, on 11 Feb 2011,

Tommy Andersson



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Cabin ventilation units

"HMR": automatic double flow
 "HMF": automatic single flow
 "HMM": manual single flow
 "HME": terminal unit
 "HMC": manual single flow unit to be used associated to **TCL** diffuser

May be incorporated in B0 / B15 continuous (or not) class ceiling, depending on the type, when mounted as per the Manufacturer's specifications. The units may be used with or without DLQ diffuser.

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings:

* HMR: n° LH-9400 rev. A dated 14.08.02
 * HMF: n° LH-9100 rev. A dated 26.07.02
 * HMM: n° LH-9201 rev. A dated 26.07.02
 * HME: n° LH-9200 rev. A dated 26.07.02
 * HMC/TCL: n° KHa07633 dated 14.11.07 and KHa07613 dated 13.11.07
 * LH-9800 rev. A dated 08.10.10 and LH-9801 rev. A dated 2.9.10

3. TEST REPORTS:

Test reports n° RTE2028/00 dated August 16, 2000 and VTT-S-10426-07 dated January 8, 2008 from VTT Laboratories, Finland, n° 121/00/A/NP/R 102 dated April 8, 2000 from GERBAM Laboratories, France, both as per IMO Resolution A754(18).

4. APPLICATION / LIMITATION:

4.1 - Flame spread, smoke characteristics and calorific value of the lining to be as per applicable regulations.

4.2 - The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **Halton Oy** has declared that the product may be manufactured at the following manufacturing sites:

Halton Oy
Pulttikatu 2,
FIN 15700 Lahti
FINLAND

Halton Ventilation (Shanghai) Co Ltd
Block 10, 600 Xinyuan Road
Lingang New City, Pudong
Shanghai, 201306
The People's Republic of China

Halton Company
101 Industrial Drive
Scottsville, KY 42164
USA

6. MARKING OF PRODUCT:

6.1 - Markings as per MED 96/98/EC :

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 96/98/EC may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the materials at any time and that **HALTON Oy, Lahti - Finland**, will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the material and the conditions of this approval.

7.2 - This certificate supersedes EC Type Examination Certificate N°10809/B4 EC issued on 08/02/2011 by Bureau Veritas.

***** END OF CERTIFICATE *****