

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC and 2002/84/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer ISOL.ME.CAR. Srl

Address Via dei Bagni Nuova, 5
Zona Industriale Schiavetti
34074 - Monfalcone (Gorizia)
Italy

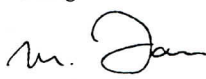
Annex A1 Item A.1/3.22 - FIRE DAMPERS
USCG Category Number 164.139 - DAMPERS

Product Type FIRE DAMPER (STANDARD FIRE TEST)

Product Description Multi Blade Fire Damper - Types: 1, 2 and 3 for Deck Applications

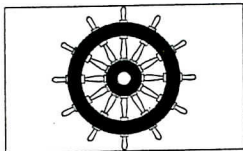
Specified Standard IMO Fire Test Procedures Code, Annex 1, Part 3

The attached Design Appraisal Document (schedule) forms part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	10 August 2006	Expiry date	9 August 2011
Certificate No.	MED 0650186	Signed	
Sheet No	1 of 3	Name	M. Farrier For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038

Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy = Last two digits of year mark affixed.

This product has been assigned a U.S. Coast Guard Module B number:

USCG Module B number: 164.139/EC0038/MED 0650186

USCG-EU MRA

to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

This certificate is issued under the authority of the MCA.

Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group. Registration number 4929226. Registered office 71 Fenchurch Street, London EC3M 4BS, England.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
10 August 2006	LDSS/PAS/FITA/MF

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0650186

The undemoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

Laboratorio Rina Studi Anticendio (RINA), Fire Protection Research Laboratory, Genoa, Italy, Fire Test Report Nos. 2000CSTO1453/2, dated 21 February 2001 and 2000/CSTO1453/4, dated 23 February 2001.

CONDITIONS OF CERTIFICATION

1. Consisting of: Type 1 - Single unit, Type 2 - Double unit with independent closing mechanism (joined longitudinally), Type 3 - Double unit with common closing mechanism (joined transversely). All fire damper bodies are to be insulated and ventilation ducts insulated for a length of 450mm for A-15, A-30 and A-60 decks. Fire damper blades are of an insulated type, incorporating 20mm thick "Carbowool" insulation. All incorporating "Belimo" type: BF 230T-RI actuators.
2. For use in A-15, A-30 and A-60 decks with fire damper and ducting insulated and for use in A-0 Decks with no insulation fitted over fire damper or ventilations ducts.
3. Maximum size of fire damper: 2000mm x 1000mm Type 2 or Type 3, 1000mm x 1000mm Type 1.
4. Minimum size of fire damper: 200mm x 200mm Type 1.
5. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
6. This product has been assigned a U.S. Coast Guard Module B number USCG Approval Category 164.139/EC0038/MED 0650186 to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements.

7. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

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Manufacturer ISOL.ME.CAR. Srl
Address Via dei Bagni Nuova, 5
Zona Industriale Schiavetti
34074 - Monfalcone (Gorizia)
Italy


Annex A1 Item A.1/3.22 - FIRE DAMPERS
USCG Category Number 164.139 - DAMPERS

Product Type FIRE DAMPER (STANDARD FIRE TEST)

Product Description Multi Blade Fire Damper - Types: 1, 3 and 4 for Bulkhead Applications

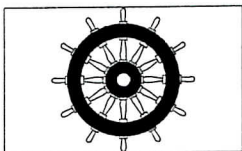
Specified Standard IMO Fire Test Procedures Code, Annex 1, Part 3

The attached Design Appraisal Document (schedule) forms part of this certificate.
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Date of issue	10 August 2006	Expiry date	9 August 2011
Certificate No.	MED 0650187	Signed	
Sheet No	1 of 3	Name	M. Farrier For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038

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DESIGN APPRAISAL DOCUMENT

Date 10 August 2006	Quote this reference on all future communications LDSS/PAS/FITA/MF
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0650187

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APPROVAL DOCUMENTATION

Laboratorio Rina Studi Anticendio (RINA), Fire Protection Research Laboratory, Genoa, Italy, Fire Test Report Nos. 2000CSTO1453/5, dated 20 February 2001, 2000CSTO1453/3, dated 23 February 2001 and 2000/CSTO1453/1, dated 19 February 2001.

CONDITIONS OF CERTIFICATION

1. Consisting of: Type 1 - Single unit, Type 4 - Double unit with independent closing mechanism (joined longitudinally), Type 3 - Double unit with common closing mechanism (joined transversely). All fire damper bodies are to be insulated and ventilation ducts insulated for a length of 450mm for A-15, A-30 and A-60 bulkheads. Fire damper blades are of an insulated type, incorporating 20mm thick "Carbowool" insulation. All incorporating "Belimo" type: BF 230T-RI actuators.
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Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7423 2940 Fax 020 7397 4246
Email dcg-stat@lr.org

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Document number MED 0650187
Issue number 1

DESIGN APPRAISAL DOCUMENT

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0650187

PLACE OF PRODUCTION

ISOL.ME.CAR. Srl
Via dei Bagni Nuova, 5
Zona Industriale Schiavetti
34074 - Monfalcone (Gorizia)
Italy

Martin Farrier
Lead Specialist
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038