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This Certificate is not valid where presented without the full attached
Schedule, composed of 10 sections.

**BUREAU
VERITAS**

EUROPEAN COUNCIL DIRECTIVE 96/98 EC on MARINE EQUIPMENT (M.E.D.)

EC TYPE EXAMINATION CERTIFICATE (CERTIFICATE OF TYPE APPROVAL)

This is to certify that Bureau Veritas, acting within the scope of its notification, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the International Instruments and testing standards under the requirements of Council Directive 96/98/EC, as amended.

PORTABLE FIRE EXTINGUISHERS
CO2 FIRE EXTINGUISHER 5 kgs., type BILI 5

MANUFACTURED BY:

GRUPO DE INCENDIOS, S.A.
Tardelcuende - SPAIN

REGULATIONS & STANDARDS in accordance with Council Directive 96/98/EC, as amended by Commission Directive 2002/75/EC :
SOLAS 74 Convention, as amended, Regulations X-2/10.3 and X/3 - IMO Resolution A.602 (15) , Revised guidelines for marine portable extinguishers - IMO Resolution MSC.97(73) (2000 HSC Code) , Chapter 7 - IMO Resolution MSC.98(73) (FSS Code), Chapter 4 - Testing Standards EN3: 1996, Parts 1 to 6, as amended.

Expiry date: 09/07/2009

Local Office : BUREAU VERITAS MADRID



At Paris la Défense, on : 09/07/2004

J.BENOIT

Marine Equipment Certification Manager
For BUREAU VERITAS, EC Notified Body N°0062



The Manufacturer is allowed to affix the MED Conformity Mark to approved equipment and issue a Declaration of Conformity, only when the production/product assessment module referred to in the Directive 96/98/EC, is fully complied with.

This Certificate remains valid until its date of expiry, unless cancelled or revoked, providing the conditions in the attached Schedule are complied with and the equipment remains satisfactory in service. This Certificate does not apply to equipment which has been varied or modified from the specimen tested.

Should the specified 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 unamended standards apply.

This Certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division. Any Person not a party to the contract pursuant 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 judgment, 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.

Issued under the authority of the French Maritime Administration.



THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

CO2 FIRE EXTINGUISHERS, type BILI 5

Capacity	5 kg
Total Weight	13.713 kg about
Temperature Range of Use	-20 °C to +60 °C
Discharge Time	11.5 s
Test Pressure (cylinder)	250 bar
Service Pressure (at 60°C)	174 bar
Diameter	136 mm
Overall Height	745 mm
Hose Length	595 mm
Fire Class	89B

2. DESIGN DRAWINGS and/or SPECIFICATIONS

2.1 - Design Drawings

Conjunto extintor 5 kg CO2	30.501	Asiento muelle-piston	30.906
Botella extintor 5 kg CO2	30.505 ; MTZ5-01-211A	Muelle comp inox	30.907
Difusor extintor 5 kg CO2	30.510	Asiento de muelle	30.908
Entronque manguera ext 5 kg CO2	30.511	Clavija de seguridad	30.909
Entronque trompa ext 5 kg CO2	30.512	Cuerda de sujecion	30.910
Campanilla manguera 5/16	30.513	Cuerpo valvula de seguridad	30.911
Tuerca union valvula CO2	30.514	Remache 4 mm	30.912
Tubo sonda extintor 5 kg	30.515	Cuerpo de valvula CO2	30.913
Trompa difusora CO2 kg	30.520	Anillo maneta	30.914
Conjunto valvula ext CO2	30.900	Chapa de proteccion sobrepresiones	30.915
Maneta para levantar	30.902	Cuerpo disco de rotura	30.916
Embolo valvula de pisto CO2	30.903	Interior cuerpo disco de rotura	30.917
Junta torica 3 x 2	30.904	Junta torica 15 x 2	30.918
Junta obturador	30.905		

2.2 - Manual(s) for maintenance

Maintenance of fire extinguishers - CO2 Fire extinguishers Inspection & testing	---
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3. TYPE TEST REPORTS / LABORATORY RECOGNITION STATUS

The extinguishers have been type tested in accordance with IMO Resolution A.602 (15) and with the provisions of EN3 : 1996, Parts 1 to 6, as amended :

- as per test report N° 6254/03 dated 15/10/2003 from AFITI-LICOF
- as per test report N° 6469/03 dated 10/12/2003 from AFITI-LICOF

4. MATERIALS or COMPONENTS REQUIRED TO BE TYPE APPROVED or TYPE TESTED

Test reports of section 3 above include tests of safety device, hose, and mounting bracket.

The body meets the requirements of European Directive 97/23/EC as per certificates PRC-02-07-D0832-003 rev.2 dated 22/05/2002 and PRC-03-11-D0832-036 dated 08/12/2003 issued by TUV.

5. OTHER MATERIALS and/or COMPONENTS

Cylinder	34CrMo4
Operating Valve	Brass
Siphon Tube	Aluminium
Hose	Rubber
Nozzle	Polypropylene
Mounting bracket	Steel

6. APPLICATION / LIMITATION OF USE

6.1 - Approval valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A.649 ("MODU Code").

6.2 - Approval also valid for ships having to comply with the HSC Code.

6.3 - This portable extinguisher may be used for :

Fire Class	:	B
Operation Temperature Range	:	-20°C to +60°C

6.4 - This CO2 extinguisher shall not be place in accommodation spaces.

7. PRODUCTION SURVEY REQUIREMENTS

7.1 - Arrangement shall be made for a Society's Surveyor to carry out, on a periodic basis, visit of the manufacturer's premises and product audits.

7.2 - The Production Conformity Assessment Module shall be "D, Production-quality assurance".

7.3 - Non-destructive testing and destructive testing of the fire extinguisher cylinders shall comply, respectively, with provisions of paragraphs 4.2 and 4.3 of EN3-6 : 1996.

7.4 - Each manufactured equipment is to bear the  conformity mark and number of the Notified Body undertaking surveillance module (where BV, 0062).

7.5 - Each equipment intended to be fitted on board a ship registered to a National Register adhering to the Directive shall be delivered with a Declaration of Conformity, including the setting valve report, if applicable, which shall be signed by the manufacturer.

7.6 - Each equipment or batch of equipment is to be supplied with its Manual(s) for maintenance (refer to paragraph 2.2 above) in the language required by the ship's Flag Administration.




8. ON BOARD INSTALLATION & MAINTENANCE REQUIREMENTS

- 8.1 - The equipment is to be installed according to manufacturer's instructions.
- 8.2 - Manufacturer's instruction for maintenance and recharging should be kept on board.
- 8.3 - It shall be possible to check each fire extinguisher periodically according to national rules.

9. MARKING FOR IDENTIFICATION

As per IMO Resolution A.602 (15), paragraph 8 and the provisions of the Directive :

- 1 - Manufacturer's name and model designation
- 2 - Type of fire for which the extinguisher is suitable, i.e. : B
- 3 - Type and quantity of extinguishing medium, i.e. : CO₂ ; 5 kg
- 4 - Instruction for use and recharge (in pictorial form)
- 5 - Temperature range over which the extinguisher will operate satisfactorily, i.e. : -20°C to +60°C
- 6 - Test pressure, i.e 250 bar
- 7 -  conformity mark and number of the Notified Body undertaking surveillance module (where BV, 0062).
- 8 - Last two digits of year of manufacture

10. OTHERS

This approval is given on the understanding that the manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

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BUREAU VERITAS MADRID

