



Marine & Offshore

Certificate number: 65253/A0 MED

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This certificate is not valid when presented without the full attached schedule
composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2020/1170 of 16 July 2020

This certificate is issued to:

LINGJACK ENGINEERING WORKS PTE LTD

Singapore - SINGAPORE

for the type of product

PORTABLE FIRE EXTINGUISHERS

COMBAT/LINGJACK 5KG CO2 FIRE EXTINGUISHER TYPE C-5CSEC

Requirements:

SOLAS 74 convention as amended, Regulations II-2/4, II-2/10, II-2/18, II-2/19, II-2/20, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.98(73) -(FSS Code)- as amended by MSC.206(81), MSC.217(82), MSC.292(87), MSC.311(88), MSC.327(90), MSC.339(91) and MSC.457(101), 4

IMO Res. MSC.391(95) - (IGF Code)- as amended, 11

IMO Res. A.951(23), IMO MSC/Circ.1239 incl. Corr.1 and IMO MSC/Circ.1275

EN 3-7:2004 incl. /A.1:2007, EN 3-8:2006 incl. /AC:2007, EN 3-9:2006 incl. /AC:2007 and EN 3-10:2009

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


This certificate will expire on: 14 May 2026

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SINGAPORE, on 14 May 2021,

Shivananda Upadhya



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 II 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 Marine & Offshore. 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 Marine & Offshore 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 & Offshore 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 Marine & Offshore 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 :

COMBAT/LINGJACK 5KG CO2 FIRE EXTINGUISHER TYPE C-5CSEC

Capacity (CO2 Gas)	5 kg
Total Weight	19.8 kg
Temperature Range of Use	-20°C to 60°C
Discharge Time	12.8 s
Test pressure (PT) (cylinder)	250 bar @1 min
Pressure at maximum operating pressure (PTmax)	169 bar
Storage Pressure	60 bar
Diameter	152 mm
Overall Height	650 mm
Horn Length	570 mm
Fire Class	55B

Other materials and/or components :

Cylinder	Carbon steel (5 mm)
Siphon Tube	Nylon
Hose	Steel braided PVC
Operating valve	Copper/Zinc alloy
Horn	ABS plastic
Hook Bracket	Mild steel (3 mm)

2. DOCUMENTS AND DRAWINGS :

2.1 - Design drawings:

ASSEMBLY DRAWING	20800713 Issue A dated 10/02/2009
VALVE ASSEMBLY	03001100 Issue B dated 02/04/2012
CYLINDER	03012401 dated 09/2008
SIPHON TUBE	03039210 Issue A dated 10/02/2009
HOSE + HORN	03009200 Issue A dated 10/02/2009
HOOK BRACKET	03021800 Issue A dated 10/02/2009

2.2 - Installation, operation and maintenance instructions:

As per Manufacturer's document N° LJS-IOM-102 rev. G dated 06/04/2021

3. TEST REPORTS :

Test report N°242436 dated 25/03/2009, as per EN 3-7:2004 incl. /A.1:2007 and EN 3-9:2006, from BRE Global Ltd, UK.

4. APPLICATION / LIMITATION :

4.1 - Manufacturer's instruction for maintenance and recharging the extinguishers should be kept on board.

4.2 - The extinguishers are to be installed according to manufacturer's instructions.

4.3 - Due to the type of extinguishers covered by this certificate (i.e. CO2 extinguishers), the standard EN 3-8:2006 incl.AC:2007 quoted in the requirements in front page is not applicable.

5. PRODUCTION SURVEY REQUIREMENTS :

This certificate alone 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 module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT :

As per IMO Res. 951(23), paragraph 8 and the provisions of the Directive:

- 1 - Model designation: C-5CSEC
- 2 - Manufacturer's name and address
- 3 - Type of fire for which the extinguisher is suitable, i.e.: 55B
- 4 - Type and quantity of extinguishing medium, i.e.: 5 kg CO₂, 60 bar (stored pressure)
- 5 - Instruction for use and recharge (it is recommended that operating instructions be given in pictorial form, in addition to explanatory text in language understood by the likely user)
- 6 - Temperature range over which the extinguisher will operate satisfactorily, i.e.: - 20°C to + 60°C
- 7 - Test pressure, i.e. 250 bar@1 min
- 8 - Year of manufacture
- 9 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

7. OTHERS :

7.1- It is **LINGJACK ENGINEERING WORKS PTE LTD**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate is the renewal of the EC Type Examination Certificate N°0832-MED-1013 issued on 20/05/2015 by BRE Global Ltd.

*** END OF CERTIFICATE ***