



Marine & Offshore

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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

NON-PORTABLE AND TRANSPORTABLE EXTINGUISHERS

COMBAT/LINGJACK 50KG ABC POWDER CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE
EXTINGUISHER TYPE C-50ATC

COMBAT/LINGJACK 25KG ABC POWDER STORED PRESSURE TRANSPORTABLE WHEELED FIRE
EXTINGUISHER TYPE C-25ATP

Requirements:

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

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) and MSC.339(91), 4

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

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

EN 1866-1:2007

EN 1866-2:2014

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: 02 Aug 2026

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SINGAPORE, on 02 Aug 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 25KG ABC STORED PRESSURE WHEELED FIRE EXTINGUISHER TYPE C-25ATP
COMBAT/LINGJACK 50KG ABC CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE
EXTINGUISHER TYPE C-50ATC**

TYPE	C-25ATP	C-50ATC
Capacity	25 kg	50 kg
Medium	ABC Dry Chemical 70% Powder	ABC Dry Chemical 70% Powder
Propelling gas	N2	CO2; 1.5Kg (Cartridge)
Total Weight	49 kg	96 Kg
Temperature Range of Use	-20°C to 60°C	-20°C to 60°C
Discharge Time	32 s	70 s
Test pressure (PT) (cylinder)	28 bar	28 bar
Pressure at maximum operating pressure (PTmax)	19 bar	19 bar
Storage Pressure	14 bar	Not applicable
Hose length	12100 mm	12100 mm
Overall Height	925 mm	980 mm
Overall width / depth	445 / 490 mm	545 / 550 mm
Fire Class	34A / IIB (275B)	34A / IVB (317B)

Other materials and/or components:

Cylinder	Steel
Hose	Rubber
Siphon Tube	PVC
Discharge Tube (For C-50ATC only)	Steel
Valve assembly	Brass
Discharge Gun	PVC
Cartridge (For C-50ATC only)	Iron
Cartridge holder (For C-50ATC only)	Steel
Safety Pin (For C-25ATP only)	Nickel Plated Iron
Trolley	Steel

2. DOCUMENTS AND DRAWINGS :

2.1 - Design drawings:

C-25ATP

ASSEMBLY DRAWING	21803100 Issue A02 dated 19/01/2019
VALVE ASSEMBLY	03020004 Issue A dated 07/03/2007
SAFETY PIN	03018600 Issue A dated 01/12/2011
25KG CYLINDER WITH 16IN WHEEL	03067101 / Com No 3067104 Issue A02 dated 30/01/2019
POWDER CONTROLLABLE DISCHARGE GUN	03079204 Issue A01 dated 09/06/2014
SIPHON TUBE	03110200 A00 dated 03/12/2013
HOSE	03003303 Issue A01 dated 23/04/2014
PRESSURE GAUGE	03000200 dated 17/08/2006

C-50ATC

ASSEMBLY DRAWING	21802700 Issue A02 dated 19/01/2019
VALVE ASSEMBLY	03001706 Issue C02 dated 25/03/2014
50kg Cylinder With 16in Wheel	03067206 Issue A02 dated 30/01/2019
POWDER CONTROLLABLE DISCHARGE GUN	03079204 Issue A01 dated 09/06/2014
SIPHON TUBE	03237780 A00 dated 03/12/2013
DISCHARGE TUBE	03237779 A00 dated 03/12/2013
HOSE	03003303 Issue A01 dated 23/04/2014
HIGH PRESSURE HOSE	03003207 Issue A01 dated 23/04/2014
PROPELLANT GAS CARTRIDGE	03191501 Issue A00 dated 05/09/2011
CARTRIDGE HOLDER	03237773 Issue A00 dated 04/10/2013

2.2 - Installation, operation and maintenance instructions:

As per Manufacturer's document N° LJS-IOM-101 rev. B dated 05/08/2016.

2.3 - Safety datasheets for the extinguishing media:

MSDS ABC70 03174000 dated 26/08/2016 from Orchidee Europe BVBA

3. TEST REPORTS :**C-25ATP:**

3.1 - Test report N°277267 dated 14/06/2012, as per EN 1866-1:2007 from BRE Global Ltd, UK.

3.2 - Test report N°P112679 Issue: 1 dated 27/02/2019 as per EN 1866-2:2014 from BRE Global Ltd, UK.

C-50ATC:

3.3 - Test report N°277270 Issue 2 dated 12/09/2012, as per EN 1866-1:2007 from BRE Global Ltd, UK.

3.4 - Test report N°P112679 Issue: 1 dated 27/02/2019 as per EN 1866-2:2014 from BRE Global Ltd, UK.

3.5 - Conformity of the valve with EN 1866-3:2013:

- TPED certificate n°0036-087-14 Rev.0 dated 14/10/2014 from TUV SUD INDUSTRIE SERVICE GMBH.

- Declaration of conformity order confirmation n°34627 dated 04/10/2017 from BERSTSCHEIBEN SCHLESINGER.

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.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - 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.

5.2 - Inspections and tests shall be carried out according to EN 1866-2:2014.

6. MARKING OF PRODUCT :

As per EN 1866-1 paragraph 6.9 and EN 1866-2 paragraph 7.4:

- 1 - Model designation including "Fire extinguisher" or "Extinguisher" plus medium
- 2 - Type of extinguishing medium and the nominal charge
- 3 - Fire ratings
- 4 - Instructions with pictograms and pictograms representing the type of fires
- 5 - Restrictions and dangers of use particularly in relation to toxicity and electrical risk.
- 6 - Following instruction: "Refill after any operation; check periodically and only use products and spare parts in conformity with the agreed model for refilling and maintenance".
- 7 - Identification of propellant gas and quantity
- 8 - Numbers(s) or reference(s) relating to the approval of the extinguisher
- 9 - Operating temperature range
- 10 - Reference to the European Standard EN 1866-1:2007
- 11 - Name and address of the manufacturer and/or supplier
- 12 - Test Pressure
- 13 - Maximum allowable pressure *PS*
- 14 - Maximum filling mass in kg
- 15 - Tare in kilogram including permanently attached accessories
- 16 - 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-1069 issue 2 issued on 23/01/2020 by BRE Global Ltd.

*** END OF CERTIFICATE ***