**Certificate number:** 67234/B0 MED
**File number:** ACI7100/012/002, ACI7100/012/003
**Item number:** MED/3.52

*This certificate is not valid when presented without the full attached schedule composed of 7 sections. Full certificate is to be requested to the manufacturer*
www.veristar.com

**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) 2026/1434 of 30 June 2026*

*This certificate is issued to:*

## LINGJACK ENGINEERING WORKS PTE LTD

No. 1, Woodlands Terrace, #03-01, Lingjack Industrial Building, 738471, Singapore, SINGAPORE

*for the type of product*

## NON-PORTABLE AND TRANSPORTABLE EXTINGUISHERS

COMBAT/LINGJACK/LJSAFE 50 L FOAM CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE EXTINGUISHER TYPE C-50FTC
COMBAT/LINGJACK/LJSAFE 135 L FOAM CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE EXTINGUISHER TYPE C-135FTC

**Requirements:**
Row 1 of 1 of Regulation (EU) 2026/1434:

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 (other extinguishers)

*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: 04 Sep 2031**

**For Bureau Veritas Marine & Offshore Notified Body 2690,**
At BV SINGAPORE, on 04 Sep 2026,
Shivananda Upadhya

***This certificate was created electronically and is valid without signature***

**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/LJSAFE 50 L FOAM CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE EXTINGUISHER TYPE C-50FTC**
**COMBAT/LINGJACK/LJSAFE 135 L FOAM CARTRIDGE OPERATED TRANSPORTABLE WHEELED FIRE EXTINGUISHER TYPE C-135FTC**

| TYPE | C-50FTC | C-135FTC |
|---|---|---|
| Capacity | 50 L | 135 L |
| Medium | 1% of Total Volume of SC-6 | 1% of Total Volume of SC-6 |
| Propelling gas | CO2, 1 kg (Cartridge) | CO2; 3 Kg (Cartridge) |
| Total Weight | 95 kg | 205 Kg |
| Temperature Range of Use | 5°C to 60°C | 5°C to 60°C |
| Discharge Time | 75 s | 175 s |
| Test pressure (PT) (cylinder) | 28 bar | 28 bar |
| Pressure at maximum operating pressure (PTmax) | 19 bar | 19 bar |
| Hose length | 12100 mm | 12100 mm |
| Overall Height | 995 mm | 1337 mm |
| Overall width / depth | 530 / 550 mm | 636 / 690 mm |
| Fire Class | IVB (317B) | IVB (317B) |

**Other materials and/or components:**

| | |
|---|---|
| Cylinder | Steel |
| Hose | Rubber |
| Siphon Tube | PVC |
| Discharge Tube | Steel |
| Valve assembly | Brass |
| Discharge Gun | PVC |
| Cartridge | Iron |
| Cartridge holder | Steel |
| Trolley | Steel |

**2. DOCUMENTS AND DRAWINGS :**

2.1 - Design drawings:

**C-50FTC**

| | |
|---|---|
| ASSEMBLY DRAWING | 21805300 Issue A02 dated 19/01/2019 |
| VALVE ASSEMBLY | 03001706 Issue C02 dated 25/03/2014 |
| 50 KG CYLINDER WITH 16IN WHEEL | 03067206 A02 dated 30/01/2019 |
| FOAM CONTROLLABLE DISCHARGE GUN | 03079206 Issue A00 dated 05/09/2011 |
| SIPHON TUBE | 03237780 A00 dated 03/12/2013 |
| DISCHARGE TUBE | 03237779 dated 03/12/2013 |
| HOSE | 03003303 Issue A01 dated 23/04/2014 |
| HIGH PRESSURE HOSE | 03003207 A01 dated 23/04/2014 |
| PROPELLANT GAS CARTRIDGE | 03191503 A00 dated 01/12/2011 |
| CARTRIDGE HOLDER | 03237773 Issue A00 dated 04/10/2013 |

**C-135FTC**

| | |
|---|---|
| ASSEMBLY DRAWING | 21805600 Issue A02 dated 19/01/2019 |
| VALVE ASSEMBLY | 03001706 Issue C02 dated 25/03/2014 |
| 135L CYLINDER WITH 16IN WHEEL | 03098801 Issue B02 dated 30/01/2019, |
| FOAM CONTROLLABLE DISCHARGE GUN | 03079206 Issue A00 dated 05/09/2011 |
| SIPHON TUBE | 03237786 A00 dated 03/12/2013 |
| DISCHARGE TUBE | 03237785 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 | 03191701 Issue A00 dated 05/09/2011 |
| CARTRIDGE HOLDER | 03237774 Issue A00 dated 25/02/2016 |

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 SC-6 dated 05/07/2020 from Orchidee Europe BVBA.
Orchidee Statement SC-6 Inilam AX dated October 2020.

2.4 - PFOS free declaration:
"Orchidee SC-6 Water additive - PFAS" from Incendin NV dated 07/08/2024

**3. TEST REPORTS :**

C-50FTC:
3.1 - Test report N°277287 dated 29/06/2012, 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-135FTC:
3.3 - Test report N°277289 dated 29/06/2020, 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.

FOR ALL:
3.5 - Declaration of conformity order confirmation n°34627dated 04/10/2017 from BERSTSCHEIBEN SCHLESINGER.
3.6 - TPED certificate n°0036-087-14 Rev.0 dated 14/10/2014 from TUV SUD INDUSTRIE SERVICE GMBH.

**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 - Not suitable for use on live electrical equipment.

4.4 - This equipment has been declared as not containing PFOS.

**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 - The manufacturer shall institute quality control procedure in order to ensure that the extinguishers **C-50FTC** and **C-135FTC** are produced in accordance with the requirements stated on the front page of this certificate and to keep records of any production tests carried out in accordance these requirements.

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

5.4 - For information concerning the production phase modules, **LINGJACK ENGINEERING WORKS PTE LTD** has declared the following manufacturing site(s):

**LINGJACK ENGINEERING WORKS PTE LTD**
**No. 1, Woodlands Terrace, #03-01**
**Lingjack Industrial Building**
**Singapore**

## 6. MARKING OF PRODUCT :

As per IMO Resolution A951(23) paragraph 8, EN standard and the provisions of the Directive:
1 - Model designation
2 - Manufacturer's name and address
3 - Type of fire and rating for which the extinguisher is suitable
4 - Type and quantity of extinguishing medium
5 - If applicable, the identification of the propellant gas
6 - Instruction for use, recharge and periodic maintenance *(it is recommended that operating instructions be given in pictorial form, in addition to explanatory text in language understood by the likely user)*
7 - Year of manufacture
8 - Temperature range over which the extinguisher will operate satisfactorily
9 - Test pressure
10 - Each extinguisher shall be marked to indicate that it is suitable for the use on live electrical equipment
11 - Reference to the European Standard EN 3
12 - 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 supersedes the EC Examination Certificate N° 67234/A0 MED issued on 02/08/2021 by the Society.

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