



Marine &amp; Offshore

Certificate number: 09075/E0 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) 2019/1397 of 06 Aug. 2019

This certificate is issued to:

**DESAUTEL**

MEYZIEU - FRANCE

for the type of product

### PORTABLE FIRE EXTINGUISHERS

PORTABLE CO2 EXTINGUISHERS (MED007), type "5 kg"/"K5"/"U5C"

TRADE NAME : DESAUTEL, AUCA, MIM, SURVITEC, KENBRI

**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: 28 May 2025****For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV LYON, on 28 May 2020,

Yann Krempelwicz



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:

#### **CO<sub>2</sub> EXTINGUISHERS, type "5 kg"/"K5"/"U5C"**

Capacity	5 kg
Total Weight	15 kg (steel) - 12 kg (aluminium)
Temperature Range of Use	-30°C to +60°C
Discharge Range	4 m
Discharge Time	10 seconds
Test Pressure (cylinder)	250 bar
Design Pressure (at 60°C)	169.3bar
Diameter	140 mm
Hose Length	800 mm
Fire Class	89B

#### **Other materials and/or components:**

Cylinder	Steel or aluminium
Operating Valve	Brass
Siphon Tube	Steel or PVC
Hose	Reinforced rubber
Nozzle	Polypropylene
Mounting Bracket	Steel

### 2. DOCUMENTS AND DRAWINGS:

#### 2.1 - Manufacturer's design drawings :

CO <sub>2</sub> portable extinguisher 5 kg	UDA00071 F	16/10/2018
Alu bottles for CO <sub>2</sub> extinguisher 5 kg	UDD100 E	21/11/2018
Steel bottles for CO <sub>2</sub> extinguisher 5 kg	UDD098 E	19/10/2018
Complete valve with siphon tube for CO <sub>2</sub> extinguisher 5 kg	UDA0072 D	13/06/2018
Coupling system with discharge horn for CO <sub>2</sub> extinguisher 5 kg	UDA00193 B	15/07/2010
Operating valves CPF or YUNFENG (60-2-090) - CEODEUX (B 0111 0500) - LEVIAN (0313322) for CO <sub>2</sub> extinguisher 5 kg	UDD032 C	24/10/2011
Transport bracket	UDM029 A	21/04/2004

Product characteristics synthesis "Extincteurs portables CO<sub>2</sub> MED007" dated 12/05/2020.

#### 2.2 - Manual(s) for maintenance

Maintenance and refilling instructions : 6050174CF Ed.018 dated 03/2018.

#### 2.3 - Information Sheet(s)

Fiche informative "Extincteurs portatifs CO<sub>2</sub> 2 kg & 5 kg" n° 6050778 Ed. 09 dated 09/2019.

### 3. TEST REPORTS:

3.1 - Test report N° EN 12041, dated 20/09/2019, as per EN 3-7:2004 + A1:2007, from APRAGAZ, Belgium.

3.2 - Test report N° 2008-F-2924/DS 03, dated 15/12/2008, as per EN 3-7:2004 + A1:2007, from MPA Dresden, Germany.

3.3 - Test report N° EN 11997, dated 29/11/2018, as per EN 3-9:2006, from APRAGAZ, Belgium.

**4. APPLICATION / LIMITATION:**

4.1 - 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.

4.2 - Manufacturer's instruction for maintenance and recharging should be kept on board.

4.3 - The equipment is to be installed according to manufacturer's instructions.

4.4 - This CO2 extinguisher shall not be placed in accommodation spaces.

**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 E "Product Quality Assurance" or 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 - 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.

**6. MARKING OF PRODUCT:**

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

- 1 - Model designation: CO2 "5 kg"/"K5"/"U5C"
- 2 - Manufacturer's name and address: DESAUTEL - 5 Bd De Lattre de Tassigny - 69330 MEYZIEU - France
- 3 - Type of fire for which the extinguisher is suitable, i.e. : 89B
- 4 - Type and quantity of extinguishing medium, i.e. : CO2 ; 5 kg
- 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. : -30°C to +60°C
- 7 - Test pressure, i.e. : 250 bar
- 8 - 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 **DESAUTEL'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° 09075/D1 MED issued on 14/09/2018 by the Society.

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