



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) 2019/1397 of 06 Aug. 2019

This certificate is issued to:

DESAUTEL

MEYZIEU - FRANCE

for the type of product

NON-PORTABLE AND TRANSPORTABLE EXTINGUISHERS

MOBILE CO2 EXTINGUISHERS (MED006)

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

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

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EN 1866-1:2007

EN 1866-3:2013 (CO2 fire-extinguisher)

Or

EN 1866-1:2007

EN 1866-2:2014 (other extinguishers)

Or

ISO 11601:2017

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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: 11 Jun 2025**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV LYON, on 11 Jun 2020,

Florian Aulen



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:

CO₂ WHEELED EXTINGUISHERS (MED006): 9 kg - 2 x 9 kg - 20 kg - 45 kg - DESAUTEL - AUCA - MIM - SURVITEC - KENBRI

	9 kg/U9C	2 x 9 kg	20 kg/U20C	45 kg/U45C
Capacity	9 kg	18 kg	20 kg	45 kg
Total Weight	49 kg	96 kg	80 kg	159 kg
Discharge Time	18 seconds	36 seconds	26 seconds	75 seconds
Fire Class	113 B	113 B	183 B	233 B
Overall Height	1200 mm	1050 mm	1200 mm	
Diameter	140 mm		204 mm	267 mm
Filling ratio	0.667 kg/l			
Hose Length	5000 mm			
Temperature Range of Use	-30°C to +60°C			
Test Pressure (cylinder)	300 bar			
Service Pressure (at 60°C)	169.3 bar			

Other materials and/or components:

Cylinder	Steel
Operating Valve	Brass
Siphon Tube	Steel
Hose	Reinforced rubber
Nozzle	Brass

2. DOCUMENTS AND DRAWINGS:

2.1 - Manufacturer's design drawings

Informative form n° 6080105 Ed. 05, dated 09/2019 "Extincteurs sur roues CO₂ 9 kg / 20 kg / 45 kg / 2 x 9 kg".

(*) Current configuration includes both levers alternative: lever 6°52 from basic configuration and Levian lever variant

CO₂ extinguisher 9 kg

	Basic configuration	Horn variant (Levian horn)	Current configuration (*)
CO ₂ 9KG STEEL WHEELED F.E	UDM118- Ind. B 00	UDM118 - Ind B 00	UDA00366 - Ind B 00 (22/11/18)
CO ₂ BOTTLE 9 KG	UDM120- Ind. A 00	UDM120 - Ind. A 00	UDA00364 - Ind B 00 (21/11/18)
TROLLEY PAINT CO ₂ 9KG	UDM119 - Ind. B 00	UDM119 - Ind. B00	UDA00361 - Ind A 01 (02/04/14)
CO ₂ 9, 20, 45 KG HORN WITH DISCHARGE HOSE	UDM121 - Ind. B 00		UDA00362 - Ind B 00 (08/11/18)
CO ₂ HORN WITH DISCHARGE HOSE		UDM200 - Ind. A 00	

CO₂ extinguisher 2 x 9 kg

	Current configuration (*) with hose reel	Current configuration (*) without hose reel
CO ₂ 2 x 9KG STEEL WHEELED F.E	UDA00379 - Ind. A 01	UDA00382 - Ind. A 00 (04/04/14)
CO ₂ BOTTLE 9 KG	UDA00364 - Ind A 00	UDA00364 - Ind B 00 (21/11/18)
TROLLEY PAINT CO ₂ 2 x 9KG	UDA00380 - Ind. A 00	UDA00372 - Ind A 00 (02/04/14)
CO ₂ 9, 20, 45 KG HORN WITH DISCHARGE HOSE	UDA00362 - Ind A 00	UDA00362 - Ind B 00 (08/11/18)
CO ₂ 2 x 9 HOSE REEL	UDA00381 - Ind A 00	

CO2 extinguisher 20 kg

	Basic configuration	Horn variant (Levian horn)	Current configuration (*)
CO2 20 KG UNITOR-DESAUTEL CO2 9KG STEEL WHEELED F.E	UDM122 - Ind. B00	UDM122 - Ind. B 00	UDA00363 - Ind B 00 (22/11/18)
CO2 BOTTLE 20 KG	UDM123- Ind. B 00	UDM123 - Ind. B 00	UDA00360 - Ind A 00 (02/04/14)
TROLLEY PAINT CO2 20KG	UDM124- Ind. B 00	UDM124 - Ind. B 00	UDA00361 - Ind A 01 (02/04/14)
CO2 9, 20, 45 KG HORN WITH DISCHARGE HOSE	UDM121- Ind. B 00		UDA00362 - Ind B 00 (08/11/18)
CO2 HORN WITH DISCHARGE HOSE		UDM200 - Ind. A 00	

CO2 extinguisher 45 kg

	Basic configuration	Horn variant (Levian horn)	Current configuration (*)
CO2 45KG STEEL WHEELED F.E.	UDM126 - Ind. B 00	UDM126 - Ind. B 00	UDA00371 - Ind. B 00 (22/11/18)
CO2 BOTTLE 45 KG	UDM128 - Ind. B 00	UDM128 - Ind. B 00	UDA00370 - Ind. B 00 (21/11/18)
TROLLEY PAINT CO2 45KG	UDM127 - Ind. B 00	UDM127 - Ind. B 00	UDA00367 - Ind. A 00 (02/04/14)
CO2 9, 20, 45 KG HORN WITH DISCHARGE HOSE	UDM121 - Ind. B 00		UDA00362 - Ind B 00 (08/11/18)
CO2 HORN WITH DISCHARGE HOSE(Levian horn)		UDM200 - Ind. A 00	

2.2 - Manual(s) for maintenance

Notice de maintenance n° 6080119CF, Ed. 00 dated 04/2018 "Extincteurs sur roues CO2 9/20/45 kg".

3. TEST REPORTS:

Test report n°20150420, dated 30/04/2015, as per EN 1866-3 (2013), from DESAUTEL, France.

3.1 - CO2 - 9 kg

- Basic configuration:

Test report n°100312A, dated 12/03/2010, as per EN 1866-1 (2007), from DESAUTEL, France.

- Levian horn variant:

Test report n°20130730B ed1 dated 30/07/2013, as per EN 1866-1 (2007) from DESAUTEL, France.

- Levian lever and Levian horn variants:

Test report n°20140402 dated 02/04/2014, as per EN 1866-1 (2007) from DESAUTEL, France.

3.2 - CO2 - 2 x 9 kg

- Test reports of CO2 - 9 kg completed as follows:

Levian lever and Levian horn variants:

Test report n°20140407 dated 10/04/2014, as per EN 1866-1 (2007) from DESAUTEL, France.

3.3 - CO2 - 20 kg

- Basic configuration:

Test report n°100416, dated 16/04/2010, as per EN 1866-1 (2007), from DESAUTEL, France.

- Levian horn variant:

Test report n°20130730A ed1 dated 30/07/2013, as per EN 1866-1 (2007), from DESAUTEL, France.

- Levian lever and Levian horn variants:

Test report n°20140403 dated 03/04/2014, as per EN 1866-1 (2007) from DESAUTEL, France.

3.4 - CO2 - 45 kg

- Basic configuration:

Test report n°100416a, dated 16/04/2010, as per EN 1866-1 (2007) from DESAUTEL, France.

- Levian horn variant:

Test report n°20130730C ed1 dated 30/07/2013, as per EN 1866-1 (2007) from DESAUTEL, France.

- Levian lever and Levian horn variants:

Test report n°20140318 dated 02/04/2014, as per EN 1866-1 (2007) from DESAUTEL, France.

4. APPLICATION / LIMITATION:

- 4.1 - The equipment is to be installed according to manufacturer's instructions.
- 4.2 - Manufacturer's instruction for maintenance and recharging should be kept on board.
- 4.3 - Operation recommendations: to be used with two operators, one at the fire attack, one at the unit handling.

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 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.

6. MARKING OF PRODUCT:

As per EN 1866-1 paragraph 6.9 and EN 1866-3 paragraph 7.2.3.3. :

- 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, and following information :
"Suitable for the use on live electrical equipment up to 1000 V at a distance of 1 m".
- 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 **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 EC Type Examination Certificate N° 09747/B1 MED issued on 14/09/2018 by the Society.

*** END OF CERTIFICATE ***