Certificate number: 09066/G0 MED
File number: ACI7000/004/001
Item number: MED/3.2

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) 2025/1533 of 23 July 2025

This certificate is issued to:

DESAUTEL

5 AVENUE DE LATTRE DE TASSIGNY, ZONE INDUSTRIELLE, 69330, MEYZIEU, FRANCE

for the type of product

PORTABLE FIRE EXTINGUISHERS

PORTABLE PULVERIZED WATER AND FOAM 9L EXTINGUISHERS (MED005) : Types E9, AL9S-30, E9A1EVT, E9A1FF, E9A1FFT, E9A1EV & E9A6EVP.
Trade names : DESAUTEL, AUCA, MIM, SURVITEC, KENBRI

Requirements:
Row 2 of 2 of Regulation (EU) 2025/1533:

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), MSC.367(93), MSC.403(96), MSC.410(97), MSC 457(101) and MSC.484(103), 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 3-8:2021, 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: 02 Jun 2031

For Bureau Veritas Marine & Offshore Notified Body 2690,
At BV LYON, on 02 Jun 2026,
Michaël Vavro

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:

Water extinguishers (Class A only):

Type	E9
Global capacity (water)	9L
Additive	-
Total Weight	~ 16 Kg
Temperature Range of Use	+5° C to +60° C
Propelling Gas	CO_2; 60 g
Discharge Time	42.6 s
Test Pressure (cylinder)	30 bar
Design Pressure (at 60°C)	20.9 bar
Diameter	D170 mm
Overall Height	~ 780 mm
Hose Length	600 to 800 mm
Fire Class	21A
Usable on live electrical	Yes (see §4.3 for limitations of use)

**** Following on next page****

Foam Extinguishers (Class A & B):

Type	AL9S-30	E9A1EVT	E9A1EV	E9A1FF	E9A1FFT	E9A6EVP
Global capacity (water)	9L EXD-30	9L (6.91L)	9L (8.91L)	9L (8.91L)	9L (6.21L)	9L (8.46L)
Additive	-	0.09L AFFF EX1BT + 2L Antifreeze MEG	0.09L AFFF (EX1 or BSX233 or Compact)	0.09L EX1-FF	0.09L EX1-FF + 2.7L Antifreeze VGEL 30	0.54 L Polyfoam 3/6S
Total Weight	~ 16 Kg					
Temperature Range of Use	- 30°C to + 60°C	-10°C / 60°C	+5°C to +60°C	+5°C to +60°C	-10°C / 60°C	+5°C to +60°C
Propelling Gas	CO_2; 80 g	CO_2; 60 g	CO_2; 60 g	CO_2; 80 g	CO_2; 80 g	CO_2; 60 g
Discharge Time	37.9 s	36.3 s	38 s	58.43 s	61.30 s	29.57 s
Test Pressure (cylinder)	30 bar					
Design Pressure (at 60°C)	20.9 bar					
Diameter	D170 mm					
Overall Height	~ 780 mm					
Hose Length	600 to 800 mm					
Fire Class	27A/233B	13A/183B	27A/233B	21A/233B	13A/183B	27A/183B and Polar solvent
Use on live electrical equipment	Yes (see §4.3 for limitations of use)					Non

Other materials and/or components:

Cylinder	Steel
Operative Valve	Aluminium alloy
Siphon tube	PVC
Hose	Reinforced rubber
Nozzle	Polyamide
Mounting Bracket	Steel

2. DOCUMENTS AND DRAWINGS:

Type	E9	AL9S-30
Extinguisher 9L	UDA00440 Issue C	
Body	UDA00036 Issue E	
Head cap with CO_2 cartridge	UDA00312 Issue B01	
Head cap M18	UDA00300 Issue C	
CO_2 cartridge	60g UDA00600 Issue B	80g UDA00600 Issue B
Hose and nozzle connectors M18	UDA00302 Issue B	
Nozzle	0312470	
Mounting support	UDM021 Issue A and UDA00320 Issue A	
Informative form	n° 6080044 Issue 10	n° 6080690 Issue 01
Maintenance manual	n° 6080130 Issue 02	n° 6080160 Issue 03

Type	E9A1EVT	E9A1EV	E9A6EVP
Extinguisher 9L	UDA00267 Issue F		UDA00406 Issue E
Body	UDA00036 Issue E		
Head cap with CO_2 cartridge	UDA00301 Issue C00		UDA00415 Ind B01
Head cap M18	UDA00300 Issue C		
CO_2 cartridges	60g UDA00600 Issue B		
Hose and nozzle connectors M18	UDA00302 Issue B		
Concentrate container	UDA00257 Issue B01		UDA00405 Issue C
Nozzle	0312470 Issue B		UDA00408 Issue A
Mounting support	UDM021 Issue A and UDA00320 Issue A		
Informative form	n° 6080044 Ed 10		n°6080193 Ed 00
Maintenance manual	n° 6080130 Ed 04		n° 6080132 Ed 06

Type	E9A1FF / E9A1FFT
Extinguisher PPE9A2	UDA01040 Issue B
Body	UDA00036 Issue E00
Head cap with CO_2 cartridge	UDA00301 Issue C00
Head cap M18	UDA00300 Issue C
CO_2 cartridges	80g UDA00905 Issue C00
Hose and nozzle connectors M18	UDA00302 Issue B
Concentrate container	UDA00257 Issue B01
Nozzle	UDA01020 Issue A01
Mounting support	UDM021 Issue A et UDA00320 Issue A
Informative form	6080901 Issue 00
Maintenance manual	6080900 Issue 00

3. TEST REPORTS:

3.1 - Common documents:

3.1.1 For variants

- Technical assessment n° EH 09 12 05 1060 dated 16/12/2009 as per EN 3.7:2004 from CNPP. (M18 connector variant)
- Test report n° EH 05 10 06 1070-1 dated 16/12/2009 as per EN 3 from CNPP. (M18 connector variant)
- Technical assessment n° EA 11 09 01 1060 dated 26/09/2011 as per EN 3.7:2004 from CNPP. (Operating lever variant)
- Technical Assessment n° EA 24 02 01 1060 1070 dated 11/03/2024 as per EN 3.7:2004 with A1(2007) from CNPP. (Silicon neck seal variant)

3.1.2 Test report as per EN 3.8/AC:

- Test report n°EN 12437 as per EN3-8:2021 dated 12/04/2023

3.2 - Test report as per EN 3.7:

3.2.1 - Type E9:

- Test report N° EH 98 03 02 1070 dated 06/03/1998 as per EN 3-1.2.4.5 from CNPP.
- Test report N° EH 98 03 02 1070-1 dated 14/06/1999 as per EN 3-1.2.4.5 from CNPP.
- Test report N° EH 09 12 14 1070 Rapport EN3-7 dated 15/12/2009 as per EN 3-7+A1:2007 from CNPP.
- Technical assessment n° MM-ID-16-01-007 dated 26/01/2016 from CNPP.
- Technical assessment n° NSE 04-025 A dated 25/06/04 from CNPP.

3.2.2 – Type AL9S-30:

- Test report n° 2011-F-5476_DS 17 dated 12/03/2012 as per EN 3-7+A1: 2007 from MPA.

3.2.3 - Type E9A1EVT:

- Test report N° EH 13 01 02 1070 RevA dated 18/03/2013 as per EN 3-7+A1:2007 from CNPP (AFFF EX1BT).

3.2.4 – Type E9A1 EV:

- Technical assessment n° EA 12 07 01 1060 dated 06/07/2012 as per EN 3-7+A1:2007 from CNPP (AFFF BSX233 variant)
- Test report n° EH 12 05 07 1070 dated 20/06/2012 as per EN 3-7+A1:2007 from CNPP (AFFF EX1 Variant).
- Test report n° EH 12 10 04 1070 dated 05-11-2012 as per EN 3-7+A1: 2007 from CNPP (AFFF Compact variant).

3.2.5 – Type E9A6 EVP:

- Test report n° EN11807 dated 30/07/2018 as per EN 3-7+A1:2007 from Apragaz.

3.2.6 – Type E9A1FF:

- Test report n° EN12289 dated 07/01/2022 as per EN 3-7+A1:2007 from Apragaz.
- Test report n° EH21 0801 1070 dated 24/08/2021 as per EN 3-7+A1:2007 (§9 Dielectric test only) from CNPP.

3.2.7 – Type E9A1FFT:

- Test report n°EN12606 dated 08/08/2024 as per EN 3-7 + A1:2007 from Apragaz.

4. APPLICATION / LIMITATION:

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

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

4.3 - The extinguishers (**except E9A6EVP**) are suitable for use on live electrical equipment up to 1 kV and may be used up to 35 kV with adequate training. The extinguisher **E9A6EVP** is to be used on live electrical equipment up to 500 V.

4.4 - Due to the type of extinguishers covered by this certificate (i.e. extinguishers with cartridge), the standard EN 3-9:2006 incl. AC:2007 quoted in the requirements in front page is not applicable.

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 - The manufacturer shall institute quality control procedure in order to ensure that the fire extinguishers 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 - For information, **DESAUTEL** has declared to Bureau Veritas the following production site:

DESAUTEL
5 AVENUE DE LATTRE DE TASSIGNY
ZONE INDUSTRIELLE
69330 MEYZIEU

6. MARKING OF PRODUCT:

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

1 - Model designation

2 - Manufacturer's name and address

3- Type of fire for which the extinguisher is suitable :

Suitable for the use on live electrical equipment up to 1000 V at a distance of 1 m (**for every type except E9A6EVP**)

Suitable for the use on live electrical equipment up to 500V (**only E9A6EVP**)

4 - Type and quantity of extinguishing medium

5 - Propelling gas

6 - 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)

7 - Temperature range over which the extinguisher will operate satisfactorily

8 - Test pressure

9 - Year of manufacture

10 - 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° 09066/F3 MED issued on 31/10/2024 by the Society.

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