Marine & Offshore

Certificate number: 09071/F0 MED
File number: ACI7000/004/004, 009, 010, 011, 016
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) 2024/1975 of 19 July 2024

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

TRADE NAME : DESAUTEL, AUCA, MIM, SURVITEC, KENBRI
POWDER EXTINGUISHERS (MED001) - Types "P6", "P6P MAX / AL6P", "P9", "P9P MAX / AL9P", "P12", "P12P MAX / AL12P"

Requirements:
Row 2 of 2 of Regulation (EU) 2024/1975:

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: 16 Jun 2030

For Bureau Veritas Marine & Offshore Notified Body 2690,
At BV LYON, on 16 Jun 2025,
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:

POWDER PORTABLE FIRE EXTINGUISHERS

Type	**P6**	**P6P MAX / AL6P**	**P9**	**P9P MAX / AL9P**
Identification of Powder	BC : BI-EX O.NF	FAVORIT 111 / FORTA / P1124	BC : Bi-EX O-NF	FAVORIT 111 / FORTA / P1124
Discharge time	21 s	22.8 s	16 s	27.8 s
Capacity Powder	6 kg	6kg	9 kg	9 kg
Total Weight	12 kg	12 kg	16 kg	16 kg
Temperature Range of Use	-20°C to 60°C	-30°C to +60°C	-20°C to +60°C	-30°C to +60°C
Propelling Gas	CO2 ; 160 g	CO2 ; 120 g	CO2 ; 160 g	CO2 ; 160 g
Test Pressure (cylinder)	30 bar	30 bar	30 bar	30 bar
Design Pressure (at 60°C)	16.8 bar	16.8 bar	16.8 bar	16.8 bar
Diameter	170 mm	170 mm	170 mm	170 mm
Height	520 mm	520 mm	620 mm	620 mm
Hose Length	650 mm to 800 mm	650 mm to 800 mm	650 mm to 800 mm	650 mm to 800 mm
Fire Class	233B and C	55A, 233B and C	233B and C	55A, 233B and C

Type	**P12**	**P12P MAX / AL12P**
Identification of Powder	BC : Bi-EX O-NF	FAVORIT 111 / FORTA / P1124
Discharge Time	26 s	34.2 s
Capacity Powder	12 kg	12 kg
Total Weight	19.5 kg	19.5 kg
Temperature Range of Use	-20°C to +60°C	-30°C to +60°C
Propelling Gas	CO2 ; 180 g	CO2 ; 180 g
Test Pressure (cylinder)	30 bar	30 bar
Design Pressure (at 60°C)	16.8 bar	16.8 bar
Diameter	170 mm	170 mm
Height	720 mm	720 mm
Hose Length	650 mm to 800 mm	650 mm to 800 mm
Fire Class	233B and C	55A, 233B and C

Other materials and/or components:

Cylinder	Steel
Operating Valve	Aluminium alloy
Siphon Tube	PVC
Hose	Reinforced rubber
Nozzle	Polyamide
Mounting Bracket	Steel

2. DOCUMENTS AND DRAWINGS:

2.1 - Design Drawings

Powder Extinguisher 6 kg

Types	P6	P6P MAX / AL6P
ASSEMBLY	UDA00510 Issue C00 dated 31/01/2024	UDA00570 Issue B00 dated 31/01/2024
POWDER JET	0312102 Issue C00 dated 27/02/2017	0312102 Issue C00 dated 27/02/2017
P6 HEADCAP WITH CO2 CARTRIDGE	UDA00505 Issue C00 dated 25/10/2017	
CO2 CART. FOR EXTINGUISHER ∅ 170	UDA00905 Issue C00 dated 18/01/2022	
MARINE BRACKET P.E 6/9/12	UDM021 Issue A01 dated 20/11/2012	
BODY	UDA00012 Issue D00 dated 16/10/2017	
FINAL CONTROL VALVE	UDA00302 Issue B00 dated 19/02/2020	

Powder Extinguisher 9 kg

Types	P9	P9P MAX / AL9P
ASSEMBLY	UDA00040 Issue L00 dated 31/01/2024	UDA00511 Issue C00 dated 31/01/2024
POWDER JET	0312090 Issue C dated 26/05/2004	0312102 Issue C00 dated 27/02/2017
P9P HEADCAP WITH CO2 CARTRIDGE	UDA00505 Issue C00 dated 25/10/2017	
CO2 CART. FOR EXTINGUISHER ∅ 170	UDA00905 Issue C00 dated 18/01/2022	
MARINE BRACKET P.E 6/9/12	UDM021 Issue A01 dated 20/11/2012	
BODY	UDA00034 Issue F00 dated 16/10/2017	
FINAL CONTROL VALVE	UDA00302 Issue B00 dated 19/02/2020	

Powder Extinguisher12 kg

Types	P12	P12P MAX / AL12P
ASSEMBLY	UDA00111 Issue F00 dated 01/02/2024	UDA00571 Issue B00 dated 31/01/2024
POWDER JET	0312090 Issue C dated 26/05/2004	0312102 Issue C00 dated 27/02/2017
P9P HEADCAP WITH CO2 CARTRIDGE	UDA00505 Issue C00 dated 25/10/2017	
CO2 CART. FOR EXTINGUISHER ∅ 170	UDA00905 Issue C00 dated 18/01/2021	
MARINE BRACKET P.E 6/9/12	UDM021 Issue A01 dated 20/11/2012	
BODY	UDA00108 Issue E00 dated 03/02/2020	
FINAL CONTROL VALVE	UDA00302 Issue B00 dated 19/02/2020	

2.2 - Manual for maintenance

Notice de maintenance "Extincteurs portatifs à base de poudre" n° 6080131CF Ed03 dated 02/2023

2.3 - Information Sheet

Fiche informative "Extincteurs portatifs à base de poudre 3/6/9 et 12 kg" n° 6050754 Ed. 13 dated 01/2023.

3. TEST REPORTS:

3.1 - Common documents

3.1.1 For variants

- Technical assessment n° EA 24 02 01 1060 dated 11/03/2024 as per EN 3-7:2004 incl. /A1:2007 from CNPP, France (Sealing cover variant)

3.1.2 Pressure CO2 cartridge

- Type Approval Certificate CDG-T-ABR 003-13-CZE dated 09/17/2013 from Bureau Veritas
- Conformity certificate CC/15/002 dated 30/01/2015 from ArcelorMittal

3.2 - Test reports per extinguisher's type

3.2.1 - Type P6

- Test report N°EH 18 1101 1070 dated 08/11/2018, as per EN 3-7:2004 incl. /A1:2007, from CNPP, France.
- Test report N°EN 12436 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

3.2.2 - Type P6P MAX, AL6P
- Test report N°EN 12140-v1 dated 05/01/2021, as per EN 3-7:2004 incl. /A1:2007 from APRAGAZ, Belgium.
- Test report N°EH 24 0205 1070 dated 28/02/2024, as per EN 3-7:2004 incl. /A1:2007, from CNPP, France.
- Test report N°EN 12436 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

3.2.3 - Type P9
- Test report N°EH 18 1106 1070 dated 15/11/2018, as per EN 3-7:2004 incl. /A1:2007, from CNPP, France.
- Test report N°EN 12437 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

3.2.4 - Type P9P MAX, AL9P
- Test report N°EN 12135-v1 dated 05/01/2021, as per EN 3-7:2004 incl. /A1:2007 from APRAGAZ, Belgium.
- Test report N°EN 12437 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

3.2.5 - Type P12
- Test report N°EH 18 0905 1070 dated 19/09/2018, as per EN 3-7:2004 incl. /A1:2007, from CNPP, France.
- Test report N°EN 12438 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

3.2.6 - Type P12P MAX / AL12P
- Test report N°EN 12136-v1 dated 05/01/2021, as per EN 3-7:2004 incl. /A1:2007 from APRAGAZ, Belgium.
- Test report N°EN 12438 dated 12/04/2023, as per EN 3-8:2021, from APRAGAZ, Belgium.

4. APPLICATION / LIMITATION:

4.1 - Due to the type of extinguishers covered by this certificate (i.e. powder extinguishers with a maximum allowable pressure lower or equal to 30 bar), the standard EN 3-9:2006 incl. AC:2007 quoted in the requirements in front page is not applicable.

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

4.3 - The equipment is 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 - For information, **DESAUTEL** has declared to Bureau Veritas the following production site:

DESAUTEL
5 Avenue De Lattre De Tassigny
Zone Industrielle
69330 MEYDIEU
FRANCE

6. MARKING OF PRODUCT:

As per IMO Resolution A.951 (23), paragraph 8 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
4 - Type and quantity of extinguishing medium
5 - Propelling gas: CO2
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 - Year of manufacture
8 - Temperature range over which the extinguisher will operate satisfactorily: -20 °C to -+60°C OR -30°C to +60°C
9 - Test pressure: 30 bar
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. <u>OTHERS:</u>

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 Certificates N° 09071/E2 MED issued on 19/07/2024 by the Society.

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