



Marine & Offshore

Certificate number: 09071/E0 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) 2019/1397 of 06 Aug. 2019

This certificate is issued to:

DESAUTEL

MEYZIEU - FRANCE

for the type of product

PORTABLE FIRE EXTINGUISHERS

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

POWDER EXTINGUISHERS (MED001) - Types "P6", "P6P", "P6P 43A/AL6P", "P9", "P9P", "P9P 55A/AL9P", "P12" and "P12P/AL12P"

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:

Powder extinguishers

Type	P6	P6P	P6P 43A/ AL6P
Identification of Powder	BC : BI-EX O.NF	ABC : FAVORIT 111	ABC : FAVORIT 111
Capacity Powder	6 kg		
Total Weight	12 kg about		
Temperature Range of Use	-20°C to 60°C	-30°C to +60°C	
Propelling Gas	CO ₂ ; 160 g	CO ₂ ; 120 g	
Discharge Time	21 seconds	16 seconds	
Test Pressure (cylinder)	26 bar		
Design Pressure (at 60°C)	16.8 bar		
Diameter	170 mm		
Height	400 mm about	400 mm about	400 mm about
Hose Length	650 mm to 800 mm		
Fire Class	233B and C	34A, 233B and C	43A, 233B and C

Type	P9	P9P	P9P 55A/AL9P	P12	P12P/AL12P
Identification of Powder	BC : Bi-EX O-NF	ABC : FAVORIT 111	FAVORIT 111	BC : Bi-EX O-NF	ABC : FAVORIT 111
Capacity Powder	9 kg			12 kg	
Total Weight	16 kg about			19.5 kg about	
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	CO ₂ ; 160 g			CO ₂ ; 180 g	
Discharge Time	16 secondes	23 seconds		26 seconds	29 seconds
Test Pressure (cylinder)	26 bar				
Design Pressure (at 60°C)	16.8 bar				
Diameter	170 mm				
Height	540 mm about			640 mm about	
Hose Length	650 mm to 800 mm				
Fire Class	233B and C	43A, 233B and C	55A, 233B and C	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

Informative form : n° 6050754 Ed 10 dated 07/2012 "Fiche informative - Extincteurs poudre 3-6-9-12 kg"

Powder Extinguisher 6 kg

Types	P6	P6P and P6P 43A/AL6P
P6, 6 kg BC POWER F.E	UDA00030 ind. K00 dated 17/10/2017	
P6 HEADCAP WITH CO2 CARTRIDGE	UDA00505 ind. C00 dated 25/10/2017	
CO2 CART. FOR EXTINGUISHER Diam 170	UDA00905 ind. B00 dated 26/07/2019	
MARINE BRACKET P.E 6/9/12	UDM021 ind. A01 dated 20/11/2012	
BODY	UDA00012 ind. D00 dated 16/10/2017	
FINAL CONTROL VALVE	UDA00302 ind. A00 dated 31/01/2006	

Powder Extinguisher 9 kg

Types	P9, P9P and P9P 55A/AL9P
P9P, 9 kg ABC POWER F.E	UDA00040 ind. K00 dated 17/10/2017
P9P HEADCAP WITH CO2 CARTRIDGE	UDA00505 ind. C00 dated 25/10/2017
CO2 CART. FOR EXTINGUISHER Diam 170	UDA00905 ind. B00 dated 26/07/2019
MARINE BRACKET P.E 6/9/12	UDM021 ind. A01 dated 20/11/2012
BODY	UDA00034 ind. F00 dated 16/10/2017
FINAL CONTROL VALVE	UDA00302 ind. A00 dated 31/01/2006

Powder Extinguisher 12 kg

Types	P12 and P12P/AL12P
P12P, 12 kg BC POWER F.E	UDA00111 ind. E00 dated 17/10/2017
P12P HEADCAP WITH CO2 CARTRIDGE	UDA00505 ind. C00 dated 25/10/2017
CO2 CART. FOR EXTINGUISHER Diam 170	UDA00905 ind. B00 dated 26/07/2019
MARINE BRACKET P.E 6/9/12	UDA00905 ind. B00 dated 26/07/2019
BODY	UDA00108 ind. D00 dated 31/03/2015
FINAL CONTROL VALVE	UDA00302 ind. A00 dated 31/01/2006

Product characteristics synthesis "Extincteurs portables Poudre MED001" dated 19/03/2020.

2.2 - Manual for maintenance

Notice de maintenance "Extincteurs portatifs à base de poudre" n° 6080131CF Ed01 dated 03/2018

2.3 - Information Sheet

Fiche informative "Extincteurs portatifs à base de poudre" n° 6050754 Ed. 12 dated 09/2019.

3. TEST REPORTS:

3.1 - Test reports EN 3.7:2004 incl. A.1:2007

3.1.1 - 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.

3.1.2 - Type P6P, P6P 43A/AL6P

Test report N°EH 18 0903 1070 dated 20/09/2018, as per EN 3-7:2004 incl. A1:2007, from CNPP, France.

3.1.3 - 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.

3.1.4 - Type P9P, P9P 55A/AL9P

Test report N°EH 18 1107 1070 dated 15/11/2018, as per EN 3-7:2004 incl. A1:2007, from CNPP, France.

3.1.5 - 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.

3.1.6 - Type P12P/AL12P

Test report N°EH 17 1101 1070-1 dated 20/09/2018, as per EN 3-7:2004 incl. A1:2007, from CNPP, France

3.2 - Test reports EN 3.8:2006 incl. AC:2007

- Test report N°PED 138-120327 dated 27/03/2012, as per EN3-8:2006/AC:2007, from DESAUTEL, reviewed by Bureau Veritas.
- Test report number 20130222 dated 28/02/2013 as per EN3-8:2006/AC, from DESAUTEL, reviewed by Bureau Veritas..

3.3 - CO₂ cartridge :

- Abner : RID/ADR/IMDG Type approval certificate n° CDG-T-ABR 003-13-CZE, dated 17/09/2013 from Bureau Veritas.
- AMPTV : Conformity certificate in accordance with NF L.00-015 standard n° CC/15/002, dated 30/01/2015 from ArcelorMittal.

4. APPLICATION / LIMITATION:

4.1 - Due to the type of extinguishers covered by this certificate (i.e. powder extinguishers), 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 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
- 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
- 4 - Type and quantity of extinguishing medium: powder (BC, ABC)
- 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 - Temperature range over which the extinguisher will operate satisfactorily: -20 °C to +60°C OR -30°C to +60°C
- 8 - Test pressure: 26 bar
- 9 - 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 Certificates N° 09071/D1 MED issued on 14/09/2018 by the Society.

*** END OF CERTIFICATE ***