



Marine & Offshore

Certificate number: 09749/C0 MED

File number: ACI7100/002/024, 023, 013, 012, 002, 001

Item number: MED/3.52

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 POWDER EXTINGUISHERS (MED002) : types P25, P25P, SP25P (Gun or Pistol), P50, P50P, SP50P.

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

EN 1866-1:2007

EN 1866-2:2014 (other extinguishers)


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

At BV LYON, on 06 May 2020,

Yann Krempewicz



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	P25/AL25	P25P/AL25P	P50/AL50	P50P/AL50P
Identification of Powder	BC (BI-EX O-NF or BC Jet)	ABC ; (Favorit 111 or ABC 40)	BC (BI-EX O-NF or BC Jet)	ABC – (Favorit 111 or ABC 40)
Temperature Range of Use	-20 °C to +60 °C	-30 °C to +60 °C	-20°C to +60°C	-30 °C to +60 °C
Discharge Time	23 seconds	25 seconds	33 seconds	34 seconds
Fire Class	IIB and C	A - IIB and C	IV B and C	A - IV B and C
Capacity Powder	25 kg		50 kg	
Propelling Gas	CO ₂ ; 0.45 kg		CO ₂ ; 0.9 kg	
Total Weight	49 kg about		96 kg about	
Service Pressure (PS)	15 bar		16.4 bar	
Test Pressure (cylinder) PT	22 bar		25 bar	
Diameter	250 mm		350 mm	
Overall Height	~1000 mm		~1000 mm	
Hose Length	5 m			

type	SP25P	SP50P
Identification of Powder	ABC Favorit 111	
Temperature Range of Use	-30 °C to +60 °C	
Discharge Time (seconds)	with Pistol : 54 with Gun : 33	83
Fire Class	A, IIB and C	A, IV B and C
Capacity Powder	25 kg	50 kg
Propelling Gas	CO ₂ ; 0.45 kg	CO ₂ ; 0.9 kg
Total Weight	49 kg about	85 kg about
Service Pressure (PS)	15 bar	18 bar
Test Pressure (cylinder) PT	22 bar	26 bar
Diameter	250 mm	300 mm
Overall Height	~1000 mm	
Hose Length	5 m	

Other materials and/or components:

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

2. DOCUMENTS AND DRAWINGS :

	P25/AL25	P25P/AL25P	P50/AL50	P50P/AL50P
Powder extinguisher	UDA00177 – ind. C 00 dated 16/12/2014		UDA00204 – ind. B 00 dated 02/04/2014	
Body	UDA00150 – ind. E 00 dated 26/01/2015		UDA205 – ind. A 02 dated 25/04/2014	
Headcap	UDA00848 – ind. A 00 dated 15/12/2014		UDA00224 - ind C 00 dated 21/10/2015	
CO ₂ Cylinder cartridge	0310520 - ind F 01 dated 20/01/2015		UDA206 – ind. C 02 dated 07/05/2014	
Hose with discharge nozzle	UDA00229 – ind. A 00 dated 21/04/2015		UDA00206 – ind. B 00 dated 20/01/2015	
Informative form	n° 6080109 Ed 03 dated 03/2020		n° 6080023 Ed 05 dated 09/2019	
Maintenance instructions	n° 6050169CF Ed 01 dated 02/2018		n° 6080120CF Ed 01 dated 03/2018	

Diffusion type	SP25P		SP50P
	Pistol	Gun	Gun
Powder extinguisher	UDA00850 Ind. A 02 dated 23/10/2015	UDA00852 Ind. A 01 dated 29/09/2015	UDA00280 Ind. B 02 dated 23/11/2015
Body	UDA00851 Ind. A 01 dated 28/09/2015		UDA00209 Ind. B 01 dated 02/10/2015
Headcap	UDA00848 – Ind. A 00 dated 15/12/2014		UDA00224 – Ind. C 00 dated 21/10/2015
CO2 Cylinder cartridge	UDA00848 – Ind. A 00 dated 15/12/2014		UDA212 - Ind A 01 dated 07/05/2014
Hose with discharge nozzle	UDA00212 Ind. A 01 dated 02/04/2015	UDA00229 Ind. A 00 dated 21/04/2015	UDA00212 Ind. A 01 dated 02/04/2015
Informative form	n° 6080230 Ed 01 dated 03/2020	n° 6080109 Ed 03 dated 03/2020	n° 6080126 Ed 01 dated 03/2020
Maintenance instructions	n° 6080231 Ed 01 dated 09/2016		n° 6080125 Ed 02 dated 12/2019

Product characteristics synthesis "Extincteurs mobiles Poudre MED002" dated 18/02/2020.

3. TEST REPORTS :

3.1 -Type P25/AL25 :

- Test report N° 100313 dated 13/03/2012, as per EN 1866-1 (2007) from Desautel, France.
- Test report N° 20141030-25KG dated 02/02/2015 as per EN1866-2 (2014) Modèle D250 including 08/04/2015 corrections from Desautel, France.

3.2 - Type P25P/AL25P :

- Test report N° 100312 dated 02/04/2012, as per EN 1866-1 (2007) from Desautel, France.
- Test report N° 20141030-25KG dated 02/02/2015 as per EN1866-2 (2014) Modèle D250 including 08/04/2015 corrections from Desautel, France.

3.3 - Type P50/AL50 :

Technical assessment "Avis technique extincteur mobile à poudre modèle P50 n° 2015-04-08" dated 09/04/2015 from Desautel, France.

- Test report N° GL 04 0013 dated 26/07/2004 as per EN 1866:1998 from CNPP, France.
- Test report N° GL 10 0018 dated 09/12/2010 as per EN 1866:2005 from CNPP, France.

Variant with valve type LEVIAN :

- Test report N° GM 14 0004 dated 06/06/2014 and N° GL 03 0038-2 dated 17/06/2014, both as per EN 1866-1:2007, from CNPP, France.
- Test reports N° GM 14 0004-1 and N° GL 03 0038-2, both dated 17/06/2014, as per EN 1866-1:2007 from CNPP, France.
- Test report N° 20141030-50KG dated 02/02/2015 as per EN 1866-2:2014 Modèle D350 including 08/04/2015 corrections from Desautel, France.

3.4 - Type P50P/AL50P :

Technical assessment "Avis technique extincteur mobile à poudre modèle P50P n° 2015-04-08" dated 08/04/2015 from Desautel, France based on :

- Test report N° GL 03 0038 dated 17/11/2003 as per EN 1866:1998 from CNPP, France.
- Test report N° GL 10 0018 dated 09/12/2010 as per EN 1866:2005 from CNPP, France.
- Test report N° GL 04 0013 dated 30/06/2004 as per EN 1866:1998 from CNPP, France.

Variant with valve type LEVIAN :

- Test report N° GL 03 0038-1 dated 06/06/2014 as per EN 1866-1:2007 from CNPP.
- Test report N° GL 03 0038-2 dated 17/06/2014 as per EN 1866-1:2007 from CNPP.
- Test report N° 20141030-50KG dated 02/02/2015 as per EN 1866-2:2014 Modèle D350 including 08/04/2015 corrections from Desautel, France.

3.5 - Type SP25P :

With Pistol :

- Test report N° 11591 dated 27/08/2015, as per EN 1866-1:2007 from Apragaz, Belgium.

- Test report N° 11591-1 dated 08/12/2015, as per EN 1866-2:2014 from Apragaz, Belgium.

With Gun :

- Test report N° 11686 dated 27/08/2015, as per EN 1866-1:2007 from Apragaz, Belgium.
- Test report N° 11686-1 dated 08/12/2015, as per EN 1866-2:2014 from Apragaz, Belgium.

3.6 - Type SP50P :

- Test report N° 11592 dated 27/08/2015, as per EN 1866-1:2007 from Apragaz, Belgium.
- Test report N° 11592-1 dated 08/12/2015, as per EN 1866-2:2014 from Apragaz, Belgium.

3.7 - BC powder equivalence for **BI-EX O-NF or BC Jet (Types P25 and P50)** :

- Test report N° EH 99 11 13 1070 dated 06/12/1999 - P6 foyer 233B - poudre BI-EX O-NF as per EN 3 from CNPP, France.
- Test report N° EH 99 11 14 1070 dated 06/12/1999 - P6 foyer 233B - poudre BC Jet (Former BCE standard) as per EN 3 from CNPP, France.

3.8 - ABC powder equivalence for **Favorit 111 or ABC 40 (Types P25P and P50P)** :

- Test report N° EH 97 06 20 1070-1 dated 01/07/1998 - P9P foyer 34A - poudre Orchidee ABC 40 (former name P1124) as per EN 3 from CNPP, France.
- Test report N° EH 97 06 21 1070-1 dated 24/09/2001 - P9P foyer 34A - poudre Favorit 111 as per EN 3 from CNPP, France.

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.

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 1866-2 paragraph 7.4. :

- 1 - Model designation including "Fire extinguisher" or "Extinguisher" + 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 (serial or batch number)
- 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 - 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° 09749/B2 MED issued on 14/09/2018 by the Society.

*** END OF CERTIFICATE ***