



Marine & Offshore

Certificate number: 11862/D0 MED

File number: ACI7000/004/012, 014, 019

Item number: MED/3.38

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-EXTINGUISHING EQUIPMENT FOR LIFEBOATS AND RESCUE BOATS

POWDER STORED PRESSURE EXTINGUISHERS (MED003), type "PP1P" and "PP2P"
TRADE NAME : DESAUTEL, AUCA, MIM, SURVITEC, KENBRI

Requirements:

SOLAS 74 convention as amended, Regulations III/4, III/34, X/3
IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89),
MSC.368(93) and MSC.425(98) I, IV, V
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8
IMO Res. A.951(23)
EN 3-7:2004 incl. /A1:2007, 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: 05 May 2025

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV LYON, on 05 May 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:

Powder Stored Pressure Extinguishers, type PP1P :

| | |
|-------------------------------|-------------------|
| Identification of Powder | ABC (Favorit 111) |
| Temperature Range of Use | -30°C to +60°C |
| Discharge Time | 6.8 seconds |
| Fire Class | 8A, 34B and C |
| Capacity Powder | 1 kg |
| Propelling Gas | Nitrogen + Helium |
| Total Weight | ~2.2 kg |
| Service Pressure (at 60°C) PS | 18 bar |
| Test Pressure (cylinder) PT | 27 bar |
| Diameter | 85 mm |
| Overall Height | ~335 mm |

Powder Stored Pressure Extinguishers, type PP2P :

| | |
|-------------------------------|-------------------|
| Identification of Powder | ABC (Favorit 111) |
| Temperature Range of Use | -30°C to +60°C |
| Discharge Time | 9 seconds |
| Fire Class | 13A, 89B and C |
| Capacity Powder | 2 kg |
| Propelling Gas | Nitrogen + Helium |
| Total Weight | ~3.6 kg |
| Service Pressure (at 60°C) PS | 14 bar |
| Test Pressure (cylinder) PT | 21 bar |
| Diameter | 99 mm |
| Overall Height | ~370 mm |

Other material and/or components:

| | PP1P | PP2P |
|------------------|--------------------|------|
| Cylinder | Steel | |
| Operating Valve | Brass | |
| Siphon Tube | PVC | |
| Mounting Bracket | Polyamide or steel | |
| Horn | N/A | |

2. DOCUMENTS AND DRAWINGS:

2.1 - Design drawings :

PP1P

| | | |
|---|------------|------------|
| ABC powder extinguisher PP1P | UDA00271 A | 08/11/2005 |
| 1 kg cylinder painting | 0310742 D | 04/03/2011 |
| PP1P operating lever fitted with syphon tube and pressure gauge | UDA00272 A | 06/09/2005 |
| PP1P operating lever alone | UDA00273 A | 08/11/2005 |
| PP1P wire bracket holder | 0313884 B | 03/11/2008 |
| PP1P extinguisher valve with dipe tube | 0313455 F | 20/10/2010 |
| PP1P pressure gauge | 0312651 C | 31/05/2007 |

PP2P

| | | |
|---|------------|------------|
| ABC powder extinguisher PP2P | UDA00015 F | 01/12/2004 |
| 2 kg cylinder painting | 0306640 E | 20/01/2011 |
| PP2P operating lever fitted with syphon tube and pressure gauge | UDA00014 B | 14/12/2004 |
| PP2P operating lever alone | UDA00016 D | 14/12/2004 |
| PP2P holder with strap | 0313882 I | 26/05/2004 |

Products characteristics synthesis "Extincteurs portables poudre Canots de sauvetage" MED003 dated 10/02/2020.

2.2 - Manual(s) for maintenance

PP1P and PP2P

Notice de maintenance "Extincteurs portatifs à base de poudre PP1P/PP2P0" n° 6050166CF Ed. 01 dated 02/2018

2.3 - Information Sheet(s)

PP1P and PP2P

Fiche informative "Extincteurs portatifs à poudre PP1P/PP2P0" n° 6050779 Ed. 10 dated 09/2019

3. TEST REPORTS:**PP1P**

- Test report n° EH 06 0201 1070 dated 14/02/2006 as per EN 3-7 (2004) by the Centre National de Prévention et de Protection (CNPP), France.

Following test reports as per EN 3-8 (2007) by Usines DESAUTEL witnessed by Bureau Veritas :

- Ruihua manufacturer : Test report n° PED 148 - 20150916 dated 16/09/2015

PP2P

- Test report n° EH 06 0501 1070 dated 29/05/2006 as per EN 3-7 (2004) by the Centre National de Prévention et de Protection (CNPP), France.

Following test reports as per EN 3-8 (2007) by Usines DESAUTEL witnessed by Bureau Veritas :

- Orientx manufacturer : Test report n° PED 123 - 090709 dated 09/07/2009

- Ruihua manufacturer : Test report n° PED 123 - 120302 dated 02/03/2012

- Ruihua manufacturer : Test report n° PED 123 - 2014.09.23 dated 23/09/2014

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 should be kept on board.

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

4.4 - Approval only valid for lifeboats and rescue boats.

4.5 - It shall be possible to check each fire extinguisher periodically according to national rules. Records of inspections should be maintained.

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: "PP1P" / "PP2P"

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: 8A-34B-C (PP1P) / 13A-89B-C (PP2P)

4 - Type and quantity of extinguishing medium: ABC Powder ; 1 or 2 kg

5 - Propelling gas : N₂ + He (12 bar @20 °C)

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: -30 °C to +60 °C

8 - Test pressure: 27 bar (PP1P) / 21 bar (PP2P)

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 EC type Examination Certificate N° 11862/C3 MED issued 14/09/2018 by the Society.

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