Marine & Offshore

Certificate number: 77599/A0 BV
File number: ---
Product code: 6032H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

LALIZAS HELLAS S.A.

Piraeus, - GREECE

for the type of product

HYDROSTATIC RELEASE UNIT

LALIZAS Hydrostatic Release Unit for EPIRB

Requirements:
SOLAS 74 Convention as amended, Regulations III/4, X/3, III/13, III/26 and III/34
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), MSC.425(98), MSC.459(101) and MSC.485(103) I,IV
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8
IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93), MSC.427(98), MSC.472(101) and MSC.488(103)
IMO MSC/Circ.811 and IMO MSC.1/Circ.1630

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 04 Jul 2029

For Bureau Veritas Marine & Offshore,
At BV PIRAEUS, on 04 Jul 2024,
Spyros KONTOULIS

This certificate was created electronically and is valid without signature

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. 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 :

The **LALIZAS Hydrostatic Release unit for EPIRB** is designed to be activated in a depth of between 1.5 and 4m deep by hydrostatic pressure, releasing the EPIRB from the sinking vessel. The product shall be installed according to the manufacturer's instructions. The **LALIZAS HRU for EPIRB** is a disposable HRU. It does not require maintenance or any additional spare parts. The **LALIZAS HRU for EPIRB** needs replacement after 2 years from installation, or 4 years after manufacture, whichever occurs first.

Product Designation	74579 - LALIZAS Hydrostatic Release Unit for EPIRB

As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS :

2.1 - Drawings and specifications

Document	Issue	Date
Technical Folder - LALIZAS Hydrostatic Release Unit for EPIRB Codes: 74579-80	A	08/11/2021
74579-HYDROSTATIC RELEASE FOR EPIRB	A	29/03/2021
74580-HYDROSTATIC RELEASE EPIRB ASSEMBLY	A	29/03/2021
03651-MEBRANE FOR HRU	B	09/05/2019
03671-MEBRANE PIN	A	10/12/2018
03700-BREATHING ePTFE MEBRANE FOR HRU	A	21/05/2019
03701-AGGLOMERATED COMPOSITION CORK	A	21/05/2019
03703-MEBRANE-SPRING	B	21/05/2019
03704-KNIFE-INSERT-SPRING	A	21/05/2019
03705-MAIN HRU BODY COVER	A	09/05/2019
03706-MAIN HRU BODY BOTTOM	A	09/05/2019
03707-MEBRANE HOLDER HRU	A	09/05/2019
03708-KNIFE INSERT FOR HRU	A	15/05/2019
03709-SPRING INSERT FOR HRU	A	09/05/2019
03713-VENT PLUG FOR HRU	A	21/05/2019

2.2 - Markings

Document	Issue	Date
04508 Marking Sticker	A	29/03/2021

2.3 - Manual for installation, use and maintenance

Document	Issue	Date
74579 LALIZAS HRU color box	B	26/06/2024

No departure from these documents is permitted without the prior consent of the Society

3. TEST REPORTS :

As per test report listed in the following document:

REF	DESCIPTION	Date
119-36365.a	Initial Type test	2020-08-03
120-35606.a	Additional type test related to smaller liferafts 4 persons	2020-12-09
121-33483.a	Initial Type test of the HRU of EPIRB	2022-06-14

4. APPLICATION / LIMITATION :

- As per requirements stated on front page of this Certificate.
- The onboard installation and the maintenance of the Hydrostatic Release Unit shall be carried out according to manufacturer's instructions.
- It needs no annual service, maintenance, or spare parts, but must be replaced out according to manufacturer's instructions.
- It shall be provided with a simple system of recording the expiry date (month/year) at which the unit must be replaced.
- If marked with more than a single expiry date (month/year), the unit will be invalid and must be replaced.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - **LALIZAS Hydrostatic Release unit for EPIRB** are to be supplied by **LALIZAS HELLAS S.A.** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **LALIZAS HELLAS S.A.** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information concerning the production phase modules, **LALIZAS HELLAS S.A.** has declared the following manufacturing site(s):

LALIZAS HELLAS S.A.
15 28th Oktobriou str.
Agios Ioannis Rentis
18233 Athens - GREECE

6. MARKING OF PRODUCT :

To be permanently marked on the unit or identification plate securely attached to the unit, as follows:

- Type "LALIZAS HRU for EPIRB"
- Serial number
- Means of determining its date of Expiry
- For EPIRB use only
- The notation: "DO NOT PAINT"

7. OTHERS :

It is **LALIZAS HELLAS S.A.** 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.

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