



Marine & Offshore

Certificate number: 79821/A0 BV

File number: ---

Product code: 6030H

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 UNITS FOR LIFERAFTS

LALIZAS Hydrostatic Release for Life Rafts

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

Transport Canada Requirements:

Transport Canada Life Saving Equipment Regulations, TP14475 and TP14612

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: 11 Apr 2030

For Bureau Veritas Marine & Offshore,

At BV PIRAEUS, on 11 Apr 2025,

Spyros KONTOULIS

This certificate was created electronically and is valid without signature



This certificate is recognized by Transport Canada

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 Life Rafts is designed in accordance with the SOLAS regulation, for liferafts from 4 to 150 persons. The **LALIZAS HRU** is installed onboard, attached to the liferaft according to the instructions. The **LALIZAS HRU** requires no maintenance or any additional spare parts, while it needs to be replaced by a new device two years from installation.

Product Designation	73595-LALIZAS Hydrostatic Release for Life Rafts
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As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS :

2.1 - Drawings and specifications

Document	Issue	Date
73595-HYDROSTATIC RELEASE FOR LIFERAFT	A	23/05/2019
03651-MEBRANE FOR HRU	B	09/05/2019
03652-RUBBER CAP FOR HRU	A	21/05/2019
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
03710-WEAK LINK BODY FOR HRU	A	21/05/2019
03711-WEAK LINK PIN FOR HRU	E	21/05/2019
03712-U ROPE GUIDE FOR HRU	B	21/05/2019
03713-VENT PLUG FOR HRU	A	21/05/2019

2.2 - Markings

Document	Issue	Date
73595 Marking Sticker	B	31/01/2025
73595 LALIZAS HRU Color Box	B	31/01/2025

2.3 - Manual for installation, use and maintenance

Document	Issue	Date
73595 LALIZAS HRU Instructions	B	31/01/2025

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	DESCRIPTION	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

4. APPLICATION / LIMITATION :

- As per requirements stated on front page of this Certificate.
- Where the weak link is part of the supply, it shall comply with items N° 4 or 8 on drawing H20 for liferafts scheme-A-R1.
- Since not submitted to the painter strain there is no limitation in respect to the liferaft capacity (the "Rope sling", which is part of the device was strength tested at 15 KN, liferaft for more than 25 persons)
- 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.
- In addition of the Electronic version of the "manual for installation, use and maintenance", a paper version of the manual should always be available free of charge for the consumers who request it.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The Hydrostatic Release Units 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.
18233, Agios Ioannis Rentis
GREECE

6. MARKING OF PRODUCT :

Instructions, Diagrams, Markings illustrating the use of the Hydrostatic Release Unit shall be printed indelibly (to be both in English and in French).

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

- Type "LALIZAS HRU"
- Serial number
- Means of determining its date of Expiry
- Information related to the capacity liferaft with which the unit may be used (more than 25 persons)

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 *****