



**EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED338820CS/002**

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.

<i>MED Item N°</i>	MED/1.12
<i>Description</i>	Inflatable liferafts
<i>Type</i>	DEEP-SEA II 16-20-25P
<i>Applicant</i>	LALIZAS ITALIA S.R.L. VIA FONTANELLE 22 16012 Busalla (GE) ITALY
<i>Testing standards</i>	IMO Res. MSC.81(70), as amended.
<i>Reference standards</i>	SOLAS 74 Reg. III/13, Reg. III/21, Reg. III/26, Reg. III/31, III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I,IV, IMO Res.MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.811.

Issued in Genoa on
January 19, 2021

This Certificate is valid until
January 18, 2026

This Certificate consists of this sheet plus an attachment

Giovanni Carratino
RINA Services S.p.A.



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Manufacturer

LALIZAS ITALIA S.R.L.

Place of Manufacturer

VIA BENEFICIO II TRONCO 57/A
48015 Cervia (RA)
ITALY

Product description

Throw overboard inflatable liferafts with the following main characteristics:

	DEEP-SEA 16p	DEEP-SEA 20p	DEEP-SEA 25p
Shape	octogonal		
Diameter inscribed/ circumscribed circle	3,37 m / 3.65 m	4,28 m / 4,65 m	4,28 m / 3,56 m
Diameter of buoyancy tubes	320 mm	360 mm	360 mm
Volume of buoyancy tubes	1,664 m ³	2,634 m ³	2,634 m ³
Floor area	6.2 m ²	9.9 m ²	9.9 m ²
Working pressure	0.017 Mpa		
Inflation system	1 bottle 14 litres: CO ₂ : 7812 g Nitrogen : 588 g	1 bottle 18,75 or 20,0 litres: CO ₂ : 10294 g Nitrogen : 1144 g	1 bottle 18,75 or 20,0 litres: CO ₂ : 10294 g Nitrogen : 1144 g
Type of container /material	Roll: VTR		
Maximum weight	Pack A: 153 Kg Pack B: 109 Kg	Pack A: 169 Kg Pack B: 125 Kg	Pack A: 178 Kg Pack B: 125 Kg
Maximum installation height	25 mt		
Required towing force	2 kts: 0.8 kN 3 kts: 1.90 kN	2 kts: 1.10 kN 3 kts: 2.18 kN	2 kts: 1.10 kN 3 kts: 2.18 kN

Coated fabrics:

1. Buoyancy chamber, bottom and canopy support: polyester fabric coated with PVC on both sides 1100 Dtex640 g/m² black or orange colored Mehler manufacturer type no. 7324 black or orange;
2. External canopy: polyester fabric coated with PVC on both sides 550 Dtx 510 g/m² orange colored Mehler manufacturer type no. 7326 or nylon fabric 210/210 2PU WR orange colored Mardegan manufacturer;
3. Inner canopy: Nylon fabric coated with polyurethane 2PU+WR 65g/m² light blue colored manufactured by FAS srl or Pam 100%+60g/m² light blue colored manufactured by Selvitex Srl or Igea Plast Srl.

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Tests carried out

- Practical test report issued in compliance with MSC.81(70) and MSC.295(87), issued by Arimar Spa, witnessed and filed by RINA with n°CSST 8038 (2011CS013227);
- Inflation system assembly drawing n°OMO-Z-348 in compliance with ISO 15738:2002 - Type 1 (T-M) issued by Arimar Spa and approved by RINA with n° CSST 7235 or Inflation system assembly drawing n°OMO-Z-349 in compliance with ISO 15738: 2002 - Type 2 (T-T) issued by Arimar Spa and approved by RINA with n°CSST 7244;
- Fabric test report list for inflatable tube fabric, external canopy and internal canopy, issued by Arimar Spa witnessed and filed by RINA with n°CSST 8039 (2011CS013227);
- Practical test report additional in compliance with MSC.81(70) and MSC.295(87), issued by Lalizas Italia Srl, witnessed and filed by RINA with n°CSST 18960 (2020CS013388).

Reference documents

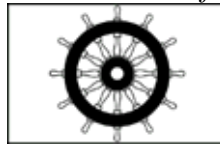
- Technical Specification drawing n°402 Rev 2 issued by Lalizas Italia SRL and approved by RINA with n°CSST 18959;
- Liferaft General arrangement drawings n°OMO-Z-50 15-32-16 issued by Lalizas Italia Srl and approved by RINA with n°CSST 18953;
- Canopy Int/Ext General arrangement drawings n°OMO-Z-5030-33-31 issued by Lalizas Italia Srl and approved by RINA with n°CSST 18951;
- Container Roll type VTR drawings n°SPE-Z-333 , SPE-Z-334, issued by Arimar Spa and approved by RINA with n°FPE-7818, FPE-7819;
- Marking details trade mark Arimar/Lalizas Container for Inflatable liferafts particular issued by Lalizas Italia Srl and approved by RINA with n°CSST 18955 ;
- Marking details trade mark Arimar/Lalizas Inflatable liferafts particular issued by Lalizas Italia Srl and approved by RINA with n°CSST 18956.



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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*

YYYY *The year in which the mark is affixed*

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reaproved prior to it being placed on board vessels to which the amended regulations or standards apply.

Giovanni Carratino