



**EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED022120CS**

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) 2019/1397.

<i>MED Item N°</i>	MED/1.33
<i>Description</i>	Radar reflector for lifeboats and rescue boats (passive)
<i>Type</i>	ARIFLECTOR
<i>Applicant</i>	LALIZAS ITALIA S.R.L. VIA FONTANELLE 22 16012 Busalla (GE) ITALY
<i>Testing standards</i>	EN ISO 8729:1998, EN 60945 (2002) incl. IEC 60945 Corr. 1 (2008).
<i>Reference standards</i>	SOLAS 74 Reg. III/34, IMO Res.A.384(X), IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I,IV,V, IMO Res..MSC.97(73)-(2000 HSC Code) 8, IMO Res.MSC.164(78).

Issued in Genoa on
February 13, 2020

This Certificate is valid until
February 12, 2025

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 Montaletto di Cervia (RA)
ITALY

Product description

inflatable corner type radar reflector constituted by a balloon inside which a corner reflector is deploying during the inflation of the balloon itself.

Material used:

Balloon: PVC

Corner reflector: alluminized polyester sheet fixed to the external balloon

Dimensions:

Inflated: Diameter: 565 mm +/- 5mm

Height: 410 mm +/- 5mm

Packed: (380 x 250) mm

Weights: Radar reflector: 600 g +/- 20g

Poles (if provided): 300 gr +/- 15g

Maximum Stated Performance Level at X-Band: 41 m²

Maximum Stated Performance Level at S-Band: 3,25 m²

Field of application

To be used at an height of at least 1.5 m above the surface of the water, according to the manufacturer instruction.

Reference documents

Technical drawing n° OMO-Z-372 edit by ARIMAR and approved by RINA with n° CSST 7888;
Technical specification and intallation detail edit by ARIMAR and filed by RINA with n° CSST 7889.

Tests carried out

Mechanical and ambient test n°01/02/03/04/05/06/P/185 filed by RINA with n° CSST 7890
Determination of reflecting characteristic in compliance with ISO-8729-1 as per report
n° RT-111354-0 issued by Prima Ricerca & Sviluppo Laboratory and filed by RINA with n° CSST 7891.

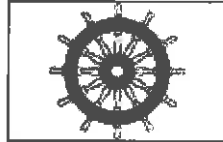
Remark

This certificate supersedes and replaces certificate MED174417CS/013 issued on June 21, 2017 due to change of the trade name of the Applicant and/or the Manufacturer.



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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 reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

Giovanni Carratino