DNV·GL

Certificate No:
MEDB00003T3

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Inflatable liferafts

with type designation(s)
LALIZAS OCEANO -6, -8, -10, -12, -15, -16, -20, -25, -30, -35

Issued to
Lalizas Hellas S.A.
Piraeus, Greece

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/1.12. SOLAS 74 as amended, Regulation III/4, III/13, III/21, III/26, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ.811 and 2000 HSC Code 8

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-01-22**.

Issued at **Hamburg** on **2018-01-23**

DNV GL local station:
Piraeus

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
Head of Notified Body

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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Job Id: **344.1-007858-1**
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Product description

"LALIZAS OCEANO -6, -8, -10, -12, -15, -16, -20, -25, -30, -35"
are inflatable throw over-board life rafts.

Type:	Persons (82,5 kg)	Weight [kg] SOLAS A	Weight [kg] SOLAS B	Towing strain [kN] (2 kn)	(3 kn)	max. Stowage Height
OCEANO -6	6	80 (76)	70 (66)	0.30	0.80	50 m (36 m)
OCEANO -8	8	90 (85)	77 (73)	0.35	0.90	50 m (36 m)
OCEANO -10	10	104 (98)	87 (82)	0.40	0.90	50 m (36 m)
OCEANO -12	12	114 (108)	95 (92)	0.45	0.95	50 m (36 m)
OCEANO -15	15	129 (122)	102 (97)	0.50	1.30	50 m (36 m)
OCEANO -16	16	134 (127)	106 (100)	0.70	1.50	50 m (36 m)
OCEANO -20	20	156 (149)	126 (120)	0.80	1.80	50 m (36 m)
OCEANO -25	25	185 (178)	140 (135)	1.00	1.85	50 m (36 m)
OCEANO -30	30	212 (205)	146 (140)	1.10	2.00	50 m (36 m)
OCEANO -35	35	233 (223)	155 (148)	1.30	2.40	50 m (36 m)

Application/Limitation

This document replaces the previous MED-B certificate 47376-12 HH.

The liferaft shall be packed with a SOLAS A PACK or SOLAS B PACK.
- Gas cylinders shall be of an approved type
- Components in the gas inflation system should be approved according to ISO 15738:2002
- The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.
- Production testing shall be carried out according to IMO Res. MSC 81(70) part 2.

The liferafts may be approved for extended service intervals up to 30 months in accordance with SOLAS Ch. III, Regulation 20.8.3 on the condition that:
1. Such extended service intervals has been approved by the ships flag administration.
2. The liferafts are checked onboard in accordance with SOLAS Ch. III Regulation 20.8.3.2 at intervals in accordance with SOLAS Ch. III Regulation 20.8.1.1, according to procedures issued by the manufacturer.
3. The liferafts shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 30 months.

The design assessment is based in IMO Res. MSC.48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC.293(87).

Type Examination documentation

Test report from GL Zhoushan dated 2012-09-06,
Drawings, blue prints and documentation for all Oceano models, Ref.no.: 13-007851

Tests carried out

The product has been tested in accordance with the Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC 81(70) part 1, as amended by IMO Res. MSC 226(82), MSC 295(87) and MSC 323(89).

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC 48(66) item 4.2.6 and 4.2.7.