

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003T3
Revision No:
2

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) 2022/1157,

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, IMO MSC.1/Circ.1328 and 2000 HSC Code 8

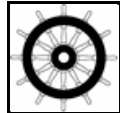
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-01-30**.

Issued at **Hamburg** on **2023-02-08**

DNV local unit:
Piraeus

Approval Engineer:
Tessa Biever



Notified Body
No.: **0098**

for **DNV GL SE**

Christine Mydlak-Roeder
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

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

Materials:

Item	Type	Manufacturer
Container material:	GRP	
Buoyancy tube fabric:	HSR-XB-A (black rubberized fabric)	Jiangsu Haining marine Equipment Co., Ltd.
Exterior canopy fabric:	2x3-2PU (orange rubberized fabric)	Wuxi Mingwei Textile Co., Ltd
Interior canopy fabric:	100T (blue rubberized fabric)	Wuxi Mingwei Textile Co., Ltd.
Adhesive:	Graft adhesive 800L	Fo Shan Nan Hai Hong Ming Adhesive Co., Ltd.

Type:	Capacity [person@82.5 kg]	Weight SOLAS A- pack [kg]	Weight SOLAS B- pack [kg]	Towing strain 2 kts [kN]	Towing strain 3 kts [kN]	Max. stowage height [m]
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

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 15738:2019.

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 provided that:

- Such extended service intervals have been approved by the ships flag administration.
- 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 accepted by the Notified Body.
- 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.

Type Examination documentation

Test report from GL Zhoushan dated 2012-09-06.

Drawings, blueprints and documentation for all Oceano models, Ref.no.: 13-007851.

Tests carried out

Prototype tests and test reports in accordance with the Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC 81(70) part 1, including IMO Res. MSC 226(82), IMO Res. MSC 295(87) and MSC. 323(89), have been witnessed and evaluated and found in compliance.

Marking of product

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