

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00004MW**  
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 Automatically self-righting liferafts**

with type designation(s)

**Lalizas SOLAS OCEANO DLSR-12/-16/-20/-25/-32/-37/-39**

Issued to

**Lalizas Hellas S.A.**  
**Piraeus, Greece**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773,**

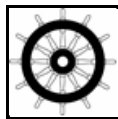
**item No. MED/1.14. SOLAS 74 as amended, Regulation III/4, III/26, III/34 & X/3, LSA Code, IMO MSC/Circ.809 & 811 and 2000 HSC Code 8**

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

This Certificate is valid until **2023-11-29.**

Issued at **Hamburg** on **2019-07-18**

DNV GL local station:  
**Piraeus**



for **DNV GL SE**

Approval Engineer:  
**Roland Priebe**

Notified Body  
No.: **0098**

**Gerhard Aulbert**  
**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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-008699-1**  
Certificate No: **MEDB00004MW**  
Revision No: **2**

## Product description

"Lalizas SOLAS OCEANO DLSR-12/-16/-20/-25/-32/-37/-39"  
are davit launched self-righting inflatable liferafts with SOLAS A or B pack.

For further details see under Type Examination documentation.

## Application/Limitation

Conditions of Certification:

Type Lalizas SOLAS OCEANO	Persons (82,5 kg)	Weight [kg]		Required bollard pull [kN]		Max. stoaage height [m]
		SOLAS A	SOLAS B	(2 kn)	(3 kn)	
DLSR-12	12	150	125	0.8	1.3	50
DLSR-16	16	180	150	0.85	1.5	50
DLSR-20	20	215	170	0.96	1.65	50
DLSR-25	25	265	205	1.1	1.8	50
DLSR-32	32	340	250	1.45	2.5	50
DLSR-37	37	370	272	1.5	3.0	50
DLSR-39	39	382	285	1.65	3.2	50

- 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.
- The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC 48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC293(87).
- Production testing shall be carried out according to IMO Res. MSC 81(70) part 2.

## Type Examination documentation

Type test report : MSC/Circ.980 witnessed by DNVGL Ningbo, dated 2016-01-18.

## 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), MSC 295(87) and MSC.323(89), have been witnessed and evaluated and found to be 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.