

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00003N4**  
Revision No:  
**1**

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)  
**SEA-AIR ADL-12/15/16/20/25 (davit launched type)**

Issued to

**Ningbo Neptune Life-Saving Equipment Co., Ltd.**  
**Ningbo, 130, China**

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**

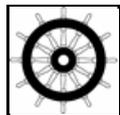
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-03-12**.

Issued at **Hamburg** on **2023-03-13**

DNV local unit:  
**Ningbo FIS**

Approval Engineer:  
**Michael Oberländer**



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Davit-launched, inflatable liferafts SOLAS A or B Pack, with the following type designation:

SEA-AIR ADL-12/15/16/20/25

Trade names:

SEAWOLF SDF-D12/15/16/20/25

ANGEVINIER ADL-12/15/16/20/25

The liferaft design is complying with the LSA Code as amended, including IMO Res. MSC. 293(87).

## Application/Limitation

Type	Persons (82,5 kg)	Weight [kg] SOLAS A	Weight [kg] SOLAS B	Required bollard pull [kN]		Max. Stowage Height [m]
				2 kn	3 kn	
ADL-12	12	80	65	0.98	1.05	50
ADL-15	15	150	115	1.0	1.60	50
ADL-16	16	160	125	1.20	1.70	50
ADL-20	20	208	165	1.45	1.90	50
ADL-25	25	239	185	1.50	2.40	50

- The liferafts are to be serviced annually, provided where in any case this is impracticable, the administration may extend this to a period to 17 months. They shall be serviced at approved service stations which are authorized by the manufacturer.
- 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 tests shall be carried out in accordance with IMO Resolution MSC.81(70) Part 2

The liferafts ADL-20 and ADL-25 with SOLAS emergency pack type A have a mass of more than 185 kg and may not be used for positions where side-to-side transfer is required.

## Type Examination documentation

- Test report of Germanischer Lloyd SE dated 2012-09, The National Supervision and Testing Center of Fishery Machinery and Instrument No. 2012YW041.
- Drawings and technical file for SEA-AIR ADL models

## Tests carried out

- Prototype tests and test reports in accordance with the Recommendations 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 found to be in compliance.

## Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, date of manufacture and MED Mark of Conformity (see page 1). The marking shall comply with the LSA Code (IMO Res.MSC48(66) item 4.2.6 and 4.2.7.