

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Float-free arrangements for liferafts (hydrostatic release units)

with type designation(s)
SEAMATE Ve-1

Issued to
T-ISS
Dinxperlo, Netherlands

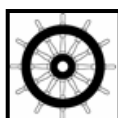
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559**,
item No. MED/1.16. SOLAS 74 as amended, Regulation III/4, III/13, III/26, III/34 & X/3,
LSA Code, IMO MSC/Circ. 811 and 2000 HSC Code 8

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

This Certificate is valid until **2022-03-06**.

Issued at **Høvik** on **2017-03-07**

DNV GL local station:
Rotterdam, Product Certification
/Verification



for **DNV GL AS**

Approval Engineer:
Piotr Orzechowski

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-003612-4**
Certificate No: **MEDB00002F8**

Product description

"SEAMATE Ve-1"

is an automatic, disposable hydrostatic release unit, designed for inflatable liferafts from 6 to 150 persons and EPIRBS.

The unit may be fitted with air activated remote release (Automatic Air Release Unit).

The release depth is from 1.5 m to not more than 4 m.

Application/Limitation

The onboard installation of product shall be carried out according to manufacturer's instruction.

After installation onboard unit have to be marked with expire date at which it must to be replaced.

Unit has three-years lifetime and does not need annual service, maintenance or spare parts during that period.

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82)

Each product is to be supplied with its manual for installation and use.

Type Examination documentation

Basis for approval:

Performance Test & Submergence and Manual Release Test, witness by 25 June 2012

DNV GL Hiroshima

Prototype test report 18 June 2012,
19 June 2012
and

25 June 2012

Technical test of membrane from Textile Lab, Netherlands 9 January 2012

Test report on Weaklink Strength and Rope Strength and Performance Test 9 April 2013

Drawing No. HRU-00100 from SEAMATE Ve-1

Drawing No. HRU-00210 from SEAMATE Ve-1

Tests carried out

Test documentation in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70), Part 1, as amended by IMO Res.MSC.226(82).

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).