

EC Type-Examination (Module B)

Directive for Marine Equipment

Certificate No.: **DK-0200-MarED-210 version 7**

Issued by FORCE Certification A/S - EC-notified body number 0200

This is to certify that:

FORCE Certification A/S did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 2014/90/EU subject to any conditions in the schedule attached hereto.

Applicant and
Manufacturer: **Thanner A/S**
Randersvej 8-10
DK-6700 Esbjerg
Denmark

Identification of Marine Equipment:

Annex 1.A Item: A.1/1.16 Float-free arrangements for life-rafts (hydrostatic release units)
(Directive (EU) 2015/559)

Product Type: **Hydrostatic Release Units**

Product Designation: DK2010 according to assembly drawing & parts list No. 85-186, mod. G, dated 2017-02-17 and No. 85-189, mod. F, dated 2015-11-26 for 30 months respectively 4 years service time after installation. DK2010E according to assembly drawing & parts list No. 85-171, mod. C dated 2015-11-26 for 4 years service time after installation

Restrictions: Service life 30 months or 4 years

Specified Standard(s): IMO Res. MSC.81(70) and IMO Res. MSC.48(66)

The examined samples are found to fulfil the requirements stated in:

The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.16 (Directive (EU) 2015/559) of The Directive. This certificate is also issued under MRA between EU and USA. An 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 "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment" signed 2004/425/EC of 21st April 2004.

Documentation for observance of relevant requirements stated in ANNEX II (Module B) of the Directive and the basis for the type examination are described in the appendix to this certificate.

This certificate will remain valid unless cancelled or revoked, provided the conditions in the attached appendix are complied with and the equipment remains satisfactory in service.

The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

This new version of EC-Type Examination Certificate DK-0200-MarED-210 version 6 dated 2017-02-03 is issued due to addition of 30 months version. The previous certificate is still valid.

FORCE Certification A/S task No.: 117-223544 / FORCE Certification A/S ID No.: 02042

Date of issue: 2017-02-28
Date of expiry: 2022-02-03



Niels Jørgen Sibbernsen
Certification Manager



Philippa W. Osted
Examiner



The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production/product assessment module (D, E or F), ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Extracts from this EC Type-Examination Certificate may only be reproduced with a written permission from FORCE Certification A/S

Appendix to EC Type-Examination Certificate

Directive for Marine Equipment

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**Thanner A/S
Randersvej 8-10
DK-6700 Esbjerg
Denmark**

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Design:



DK2010 (4 years service life)



DK2010E



DK2010 (30 months service life)

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Page 2 of 3

History:

Issue/change:	Document:	Date:
- Original certificate	DK-0200-MarED-210 ver. 1	2013-04-09
- Drawing corrected	DK-0200-MarED-210 ver. 2	2013-06-04
- New amendment	DK-0200-MarED-210 ver. 3	2015-06-08
- New amendment, Drawings updated	DK-0200-MarED-210 ver. 4	2016-01-08
- Editorial corrections	DK-0200-MarED-210 ver. 5	2016-01-13
- New Directive, new version	DK-0200-MarED-210 ver. 6	2017-02-03
- New version	DK-0200-MarED-210 ver. 7	2017-02-28

Note: Said devices are approved as being in compliance with the International Testing Standards IMO Res. MSC.81(70) and IMO Res. MSC.48(66) and current Reg. SOLAS 74 with amendments as stated in Annex A.1, Section 1, Part A.1/1.16 (Directive (EU) 2015/559) and the design changes as indicated on the above mentioned drawings.

Compliance with above mentioned standards does not inherently mean that the product is suitable for all applications. This decision is for the user to make on basis the general restrictions for safe use.

User Manual and marking: DK2010 according to drawings No. 85-194, mod. A, dated 2017-02-17 and No. 85-197, mod. A dated 2013-05-27, for service life 30 months respectively 4 years.
DK2010E according to drawing No. 85-172, mod. A, dated 2013-05-27. Common expiry label according to drawing No. 85-046, mod. L, dated 2013-03-07 and containing the following information;



0200 (wheel mark and NB No.)

USCG 160.162/EC0200/210-2 or 160.062/EC0200/0210-2

XXXX (Serial No.)

DK2010/DK2010E (type of product)

4 years or 30 months (service life)

THANNER A/S DENMARK (name of manufacturer and country)

Expiry label

The manufacturer's instructions and installation manuals shall be contained onboard the ship.

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Page 3 of 3

Documentation for observance of the relevant requirements:

Test House	File No.	Testing/Inspection of:
FORCE Technology FORCE Certification A/S	113-21165 DK-0200-MarED-110 rev.1	Type examination and testing Alternative weak link

Partial conclusion:

The devices designated DK2010 and DK2010E are found to fulfil the requirements in The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.16 of the Directive (EU/2015/559), as well as the requirements in ANNEX II (Module B) of the Directive.

The following documentation was available:

Submitted documentation:

- Manufacturer's instructions No. 85-199, dated 2017-02-17 and 85-196, dated 2017-02-17 for type DK2010, 30 months service life and No. 85-193, mod. none, dated 2016-06-16 for type DK2010, 4 years service life
- Manufacturer's installations No. 85-199, mod. none, dated 2017-01-17 and No. 85-193, mod. none, dated 2012-04-27 for type DK2010, 4 years service life
- The mentioned drawings
- Complete set of drawings
- List with subcontractors
- Above mentioned type test and examination reports and quality audit reports

Description of quality management system:

MarED-QA-209 by FORCE Certification A/S

Quality audits:

FORCE Institute, year 2000 and 2001,
FORCE Technology, year 2002 through 2007
FORCE Certification year 2008, 2010, 2011, 2012, 2013, 2014, 2015 and 2016

USCG:

This products has previously been approved under USCG numbers 160.162/2/1 and 160.062/4/1 and marked accordingly. By agreement between USCG, Thanner A/S and FORCE Certification A/S this approval has now been transferred to stated Type Examination Certificate.

Conclusion

Based on the above mentioned attestation it can be concluded that the Hydrostatic Release Units designated DK2010 and DK2010E meet the conditions of EC type-examination in accordance with the Marine Equipment Directive (MED) 2014/90/EU.

FORCE Certification A/S task No.: 117-23544

Date: 2017-02-28

A handwritten signature in blue ink, appearing to read "Philippa W. Osted", written over a horizontal line.

Philippa W. Osted
Examiner