



Marine &amp; Offshore

Certificate number: 07493/F0 MED

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This certificate is not valid when presented without the full  
attached schedule composed of 7 sections

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2018/773 of 15 May 2018

This certificate is issued to:

**C M HAMMAR AB**

V:a Frölunda - SWEDEN

for the type of product

### FLOAT-FREE ARRANGEMENTS FOR LIFERAFTS (HYDROSTATIC RELEASE UNITS)

Types HAMMAR H20R & HAMMAR H20-ERU

#### Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/13, III/26 and III/34

IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93) and MSC.425(98) I, IV

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8

IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93) and MSC.427(98)

IMO MSC/Circ.811 and IMO MSC/Circ.980

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate is a renewal of certificate N° 07493/E1 MED expiring on 24/01/2019


**This certificate will expire on: 24 Jan 2024**

**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV GOTHENBURG, on 17 Dec 2018,

Magne MOLLER



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION :

This version of the **HAMMAR H20R** Hydrostatic Release Unit is intended for fitting Float-free arrangements for liferafts.

The version **HAMMAR H20-ERU** (Hydrostatic /Electric Release Unit) is intended for use together with an Electronic Remote Release system, designated under trade name "*Hammar ERRS*", i.e. liferafts can be launched from one or more remote positions.

- The ERRS system is powered by the ship's Emergency Power Supply and by a back-up battery at every Control Panel.
- The ERRS system may be activated from one or several remote release positions.
- The ERRS system does not affect the hydrostatic function of the HAMMAR H20.
- Operational lifetime of a total of 24 months installed onboard

This EC Type Examination Certificate only covers the hydrostatic function of the HRU version **HAMMAR H20**, as per requirements stated on front page of this certificate, and does not cover the additional ERRS system, although its design was assessed by the Society.

- It is not fitted with a manual operation device.
- It does not need to be periodically serviced (It is of "disposable sealed unit" type).
- Set for release at a depth not less than 1.5 metres and not greater than 4 metres.
- It is not part of the painter system (It is not subjected to the painter system strength).
- Its Operational lifetime is set to a total of 24 months installed onboard.

### 2. DOCUMENTS AND DRAWINGS :

- Drawings and specifications:

| Document                                  | Issue | Date       |
|---|-------|------------|
| CM HAMMAR AB - DRAWING AND SPECIFICATIONS | 5     | 2018-04-17 |

- Markings:

| Document          | Issue | Date       |
|-------------------|-------|------------|
| 0001 Top Label    | 2     | 2018-02-08 |
| 0002 Expiry Label | 1     | 2014-01-15 |

*No departure from these documents is permitted without the prior consent of the Society*

- Manual for installation, use and maintenance (Electronic format)

| Document                  | Issue |
|---------------------------|-------|
| HAMMAR H20 Manual HT-0019 | 10.01 |

### 3. TEST REPORTS :

As per test report listed in the following document:

#### **Hydrostatic Release Units**

| Number              | Date       | Description   |
|---------------------|------------|---|
| 31.309.78.212       | 01/03/1985 | Initial Type Tests  |
| 31.309.78.212 Encl. | 15/03/1985 | Submergence Tests   |
| 31.309.78.212 Encl. | 01/10/1985 | Tests on Membranes  |
| 85M51019            | 28/08/1985 | Type tests on the membranes   |
| 85M51019 Encl.2     | 28/08/1985 |   |
| 85M51019 Encl.4     | 29/08/1985 |   |
| 21.99-90 34084      | 24/01/1990 | Corrosion tests on the blades   |
| M51400              | 04/09/1990 | Corrosion tests on the blades and HRU   |
|                     | 10/12/1993 | Reassessed by the Swedish National Maritime Administration - Maritime Safety Inspectorate |
| KMyP203085b         | 06/08/2002 | Type tests : Corrosion resistance, Temperature cycling, and release test                  |
| N° KMyP03765        | 05/09/2002 | Type tests : Corrosion resistance, Temperature cycling, and release test                  |
| P801304             | 13/03/2008 | Solar radiation test  |
| 8P03320-01          | 09/04/2018 | Corrosion resistance test of knife sets   |

#### **Weak Link**

| Number | Date       | Description    |
|--------|------------|----------------|
|        | 14/10/2009 | Weak link test |

**Rope Sling**

| Number    | Date       | Description                      |
|-----------|------------|----------------------------------|
| 96H30094B | 05/06/1996 | Breaking Load test of rope Sling |
| KMpI-2013 | 28/10/2002 | Breaking Load test of rope Sling |

**ERRS system**

| Number        | Date       | Description                     |
|---------------|------------|---------------------------------|
| 02090P        | 08/11/2002 | Additional tests of the ERRS    |
| P206128 rev.1 | 24/02/2003 | Environmental tests of the ERRS |
| P206128-1     | 27/02/2003 | Corrosion test of the ERRS      |

**4. APPLICATION / LIMITATION :**

- As per requirements stated on front page of this Certificate.
- Where the weak link is part of the supply, it shall comply with items N° 20, 21 & 22 on drawing N° A0001070 Rev. 1.
- Since not submitted to the painter strain there is no limitation in respect to the liferaft capacity (the "Rope sling", which is part of the device was strength tested at 15 KN, liferaft for more than 25 persons)
- The onboard installation and the maintenance of the Hydrostatic Release Unit shall be carried out according to manufacturer's instructions.
- It needs no annual service, maintenance or spare parts, but must be replaced after two years.
- It shall be provided with a simple system of recording the expiry date (month/year) at which the unit must be replaced.
- If marked with more than a single expiry date (month/year), the unit will be invalid and must be replaced.
- In addition of the Electronic version of the "manual for installation, use and maintenance", a paper version of the manual should always be available free of charge for the consumers who request it.

**5. PRODUCTION SURVEY REQUIREMENTS :**

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **CM HAMMAR AB** has declared the following manufacturing site(s):

**CM HAMMAR AB**  
August Barks Gata 15  
S-42132 V:a Frölunda  
SWEDEN

**6. MARKING OF PRODUCT :**

To be permanently marked on the unit or identification plate securely attached to the unit, as follows:

- "HAMMAR H20 R" or "HAMMAR H20 ERU"
- Serial number
- Expiry date
- The notation: "DO NOT PAINT"

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

**7. OTHERS :**

It is **CM HAMMAR AB** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This certificate supersedes EC Type Examination Certificate No 07493/E1 MED, issued on 29/06/2018 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*