



Certificate number: 07494/F0 BV

File number: LSA 6337/02

Product code: 6032H

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

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## TYPE APPROVAL CERTIFICATE

This certificate is issued to  
**C M HAMMAR AB**  
 V:a Frölunda - SWEDEN

for the type of product  
**HYDROSTATIC RELEASE UNIT**

Hydrostatic Release Unit, Type HAMMAR H20 & Hydrostatic/Electric Remote Release Unit, Type H20 ERU, for float-free arrangement of EPIRB's

### 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), MSC.425(98), MSC.459(101) and MSC.485(103) 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), MSC.427(98), MSC.472(101) and MSC.488(103)  
 IMO MSC/Circ.811 and IMO MSC.1/Circ.1630

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

**This certificate will expire on: 25 Jan 2028**

For Bureau Veritas Marine & Offshore,  
 At BV COPENHAGEN, on 25 Jan 2023,  
 Hans-erik ERICSSON

**This certificate was created electronically and is valid without signature**



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. 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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=tv149ccev>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION :

This version of the **HAMMAR H20** Hydrostatic Release Unit is intended for fitting Float-free arrangements of EPIRB's.

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. EPIRB's can be released 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.

The **HAMMAR H20**, which is part of the system, was separately approved in accordance with the MED 2014/90/EU, as amended.

- It is not fitted with a manual operation device.
- It does not need to be periodically serviced (It is of "disposable sealed unit" type).
- It is set for release at a depth not less than 1.5 meters and not greater than 4 meters.
- 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

- Manual(s) for installation use and maintenance.

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

### 3. TEST REPORTS :

As per test report listed in the following document:

#### **Hydrostatic Release Units**

Number	Date	Description
85M51019	28/08/1985 29/08/1985	Type tests on the membranes
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	2002/08/06	Type tests : Corrosion resistance, Temperature cycling, and release test
N° KMyP03765	2002/09/05	Type tests : Corrosion resistance, Temperature cycling, and release test
P801304	2008/03/13	Solar radiation test
8P03320-01	09/04/2018	Corrosion test of knife sets

#### **Plastic bolt**

Number	Date	Description
90M10348	20/03/1991	Tensile strength of the plastic bolt

#### **ERRS system**

Number	Date	Description
02090P	08/11/2002	EMC tests
P206128 rev.1	24/02/2003	Type tests in accordance with EN 60945:1997
P206128-1	27/02/2003	Corrosion test

**4. APPLICATION / LIMITATION :**

- As per requirements stated on front page of this Certificate.
- 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 24 months.
- 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.

**5. PRODUCTION SURVEY REQUIREMENTS :**

5.1 - The **HAMMAR H20** Hydrostatic Release Unit and the **HAMMAR H20-ERU** are to be supplied by **CM HAMMAR AB** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - To be manufactured, checked for quality and tested in accordance with the protocol approved by Bureau Veritas on the basis of IMO Resolution MSC. 81(70), Part 2.

5.4 - **CM HAMMAR AB** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.5 - For information, **CM HAMMAR AB** has declared to Bureau Veritas the following production 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 E" or "HAMMAR H20 ERU E"
- Serial number
- Expiry date
- BV (SOLAS) approved
- For EPIRB use only
- The notation: "DO NOT PAINT"

**7. OTHERS :**

It is manufacturer's 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 the Type Approval Certificate N° 07494/E1 BV issued on 19/06/2018 by the Society.

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

# IMPORTANT INFORMATION

As of **November 17**, our existing Declaration of Conformity (DOC) will change in appearance and content.

We have harmonised our DOC in accordance with the existing regulatory requirements. This harmonisation enables us to make this document available for download directly from our MarCode App with the benefit of easy access immediately when needed.

Order-unique information such as:

- Buyer
- Order number
- Serial number
- Intended for

can no longer be found on the Declaration of Conformity. This information is still available on the Certificate of Conformity as before. Both DOC and COC can be downloaded from the MarCode App. An example of the DOC is attached.

As you are aware the DOC will direct you towards the valid Module B and D for your product.

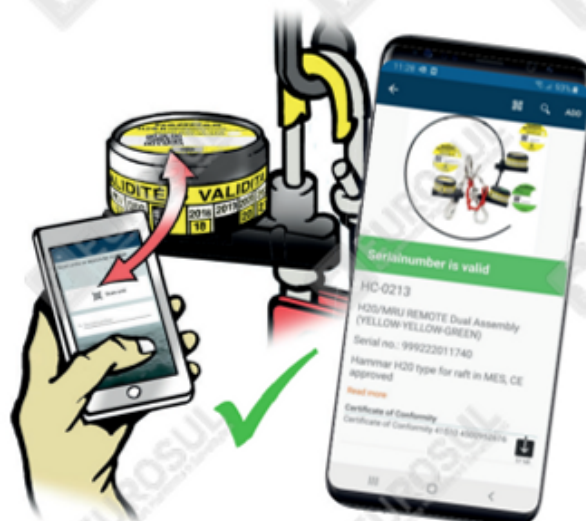
The DOC will be sent digitally along with shipping documents as usual. If a copy is needed the unit can be scanned with our MarCode App and the correct document will be found.

## MARCODE AUTHENTICATION



### FIRST TIME USER OF MARCODE?

- Download Hammar MarCode at App Store or Google Play
- Register as a user inside the App



### VALIDATION AND INFORMATION OF YOUR H20

- Select Scan unit in your Hammar MarCode App
- Scan the unique MarCode on the unit's top label

You will automatically receive a validation confirming if the unit is an original Hammar product and you will find the certificates available for download.

*You can also type in the 12 digits XXXXX YYMM XXX manually in the MarCode App.*

For questions please contact us at: [customerservice@cmhammar.com](mailto:customerservice@cmhammar.com) or +46 31 70 96 550

# HAMMAR®



**EC DECLARATION OF CONFORMITY  
MARINE EQUIPMENT DIRECTIVE (MED)**



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

**Product identification: HAMMAR H20R & H20ERU**

This declaration of conformity is issued under the sole responsibility of the manufacturer:

CM HAMMAR AB  
AUGUST BARKS GATA 15  
421 32 VÄSTRA FRÖLUNDA (GOTHENBURG)  
SWEDEN

The object of the declaration described above is in conformity with relevant Community harmonisation legislation: Commission Directive 2014/90/EU of the European parliament and of the council of 23 July 2014 as amended by Implementing **Regulation 2020/1170**

References to the relevant harmonised standards used or references to the specification in relation to which conformity is declared: **MED/1.16, IMO.RES.MSC, 81(70)** as amended

**EC Type Examination MED 07493/F0 EC** (Module B) dated 2018/12/17 valid until 2024/01/24, issued by Bureau Veritas Marine & Offshore, notified body2690.

**MED Quality System Approval No. SMS.MED2.D6337/F.0** (Module D) dated 2019/06/10 valid until 2022/06/12, issued by Bureau Veritas Marine & Offshore, notified body2690.

**Marking and stamping:**  2690/20 and USCG marking: 160.162/EC2690/07493 F0 MED

**SIGNED ON BEHALF OF THE MANUFACTURER**

Håkan Skutberg, Managing Director  
Place & date: Gothenburg 2020-11-17