

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000084K

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 Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: (b) Immersion suit with inherent insulation

with type designation(s)
HTBWF-00

Issued to

Nantong Heting Mechanical and Electrical Equipment Co., Ltd.
Nantong, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2023/1667,

item No. MED/1.6b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code, 2000 HSC Code 8, IMO MSC/Circ.1046, IMO MSC.1/Circ.1628

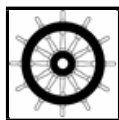
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-11-27**.

Issued at **Hamburg** on **2023-11-28**

DNV local unit:
Nantong

Approval Engineer:
Roland Priebe



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The immersion suit **HTBWF-00** is an insulated immersion suit designed to be worn without an additional lifejacket. It is made of 5 mm thick CR (neoprene).

The suit is available in following sizes: M, L, XL and XXL.

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

Approved as an insulated immersion suit designed to be worn without a lifejacket.

Position indicating light and retro-reflective material used with the suit shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".

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).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), part 2.

Type Examination documentation

Test report No. 2021334 dated 2021-12-04 from Wuhan Testing Center of Marine Life-saving Appliances, Wuhan, China.

Drawing:

HTBWF-II-000 "Heat-Insulating Immersion Suit" from manufacturer

User Manual:

Instruction Manual HTBWF-II from manufacturer

Tests carried out

Tests are documented in accordance with Recommendation on Testing of Lifesaving Appliances, IMO Res. MSC.81(70) Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, dimensions, date of manufacture and the MED Mark of Conformity (see first page). The marking shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.