DNV·GL

Certificate No:
MEDB00003CM

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 in conjunction WITH a lifejacket: Immersion suit with inherent insulation

with type designation(s)
HZ-IS-I

Issued to
Nantong Haizhou Marine Equipment Co.,Ltd.
Haimen, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/1.5b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.

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

This Certificate is valid until **2023-02-06**.

Issued at **Hamburg** on **2018-02-07**

DNV GL local station:
Shanghai

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description
"HZ-IS-I" is an insulated immersion suit. The material is neoprene and the outer colour is redish orange. The gloves are fixed and of three finger type.

Application/Limitation
The HZ-IS-I shall be worn with a lifejacket approved in accordance with the Marine Equipment Directive and be "wheelmarked".

The retro-reflective materials 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. 2017148 dated 2017-11-16 from Wuhan Testing Center of Marine Life-saving Appliances, China.

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(81), 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 manufacturer, type designation, dimensions and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.