EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007XM

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Fire-fighters outfit: protective clothing (close proximity clothing): Protective non reflective clothing for firefighting.

with type designation(s)
DFXF-93-II

Issued to
Dongtai City Dongfang Marine Fitting Co., Ltd.
Dongtai, 100, **China**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2021/1158,**
item No. MED/3.3a. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7 and FSS Code 3

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

This Certificate is valid until **2027-05-03**.

Issued at **Hamburg** on **2022-05-04**

DNV local station:
Nantong

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV 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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 **DFXF-93-II** is a level 2 fire-fighting outfit consisting of a pair of pants and a jacket.

This protective clothing can be used with an additional self-contained breathing apparatus. The air bottle worn on the back of the fire man is protected by a back storage bag of the jacket. The hose to the face mask is passing through a protected chest opening in the jacket.

The 4-layer protective clothing is made of an outer aramid layer, a moisture barrier, a thermal insulation, and an inner aramid/viscose layer. It appears in bright orange and is fitted with stripes of retro-reflective material.

The size of the protective clothing is offered in M, L or XL which should fit a fireman of 1.6 ~ 1.95 m in height.

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

Application/Limitation

Approved for use as protective clothing for firefighters.

Performance level achieved: level 2 (X2, Y2, Z2)

Wheel marked Helmet/Hood with visor, gloves and boots are to be provided to complement the outfit.

Each product is to be supplied with its manual for use and maintenance.

Type Examination documentation

- Test report No. 2020156 dated 2021-01-27 from Wuhan Testing Center of Marine Live-saving Appliances, Wuhan, China.
- Test report 30/05668/1 dated 2011-08-25 from BTTG, Cheshire, United Kingdom.
- User Manual from manufacturer.
- Drawings FHF-03-00 to FHF-03-03 dated 2020-06 from manufacturer.

Tests carried out

Tested according to EN 469:2005 incl. AC:2006 and A1:2006

Marking of product

The product is to be indelibly marked in accordance with EN 469:2005 Section 7 and with name and address of the manufacturer, type designation, batch or serial number or other elements allowing their identification, the year of manufacturing and the MED Mark of Conformity (see page 1).