

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 Self-contained compressed-air-operated breathing apparatus

with type designation(s)
RHZK 6/30 and RHZKF 6.8/30

Issued to

Dongtai City Jianghai Lifesaving & Fire-Fighting Equipment Co., Ltd.
Dongtai, China

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

Regulation **(EU) 2018/773**,
item No. MED/3.7. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 14, IGC Code 14 and IMO MSC.1/Circ.1499

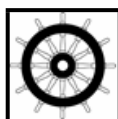
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-09-30**.

Issued at **Hamburg** on **2019-10-01**

DNV GL local station:
Nantong

Approval Engineer:
Karolina Kusmider



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"RHZK6/30, RHZKF 6.8/30"

are self-contained compressed-air-operated breathing apparatus for shipboard use for fire-fighters.

Principle components:

- a) Full face mask , manufactured by the "Fushun Yalong Safety Equipment Company,
- b) Air supply valve,
- c) Electrical pressure gauge and rest air warning system,
- d) Pressure reducer,
- e) Backboard,
- f) Compressed air cylinder manufactured by "Shanghai Jiangboda Industry and Trade Co.,Ltd" or "Nanjing Banqiao Fire Fighting Equipment Co., Ltd."
 - RHZK 6/30, steel (Volume 6 l, capacity 1800 l),
 - RHZKF 6.8/30, composite (Volume 6.8 l, capacity 2040 l).

Maximum working pressure 30MPa.

For further details, see the documents listed under Type Examination documentation below.

Application/Limitation

Approved for use as self-contained compressed air breathing apparatus of fire-fighter's outfit.

The apparatus is not for use in accidents with cargoes.

All air cylinders for breathing apparatus shall be interchangeable.

A set of manufacturer's instructions shall accompany every unit and should be kept onboard.
Manufacturer's instructions for application / limitations, checks prior to use, donning and fitting, use, cleaning and disinfection, maintenance, transport and storage shall be adhered to.

Type Examination documentation

Test Report Nos. 2019080 dated 2019-07-03 all issued by Wuhan Testing Center of Marine Lifesaving Appliances, China.

Test Report Nos. 2019081 dated 2019-07-03 issued by Wuhan Testing Center of Marine Lifesaving Appliances, China.

Test Report No. 2007037 dated 2007-06-21, issued by Wuhan Quality Test Center for Marine Survival Equipment , China.

Test Report No. 2007061 dated 2007-11-02 issued by Wuhan Quality Test Center for Marine Survival Equipment , China.

Test Report No. 42007088 dated 2012-05-21 issued by China National Quality Supervision and Testing Center for Coal Mine Explosion-Proof Safety Product , China.

Test Report No. 2015009 dated 2015-02-12 issued by Dongtai City Jianghai Lifesaving & Fire-Fighting Equipment Co., Ltd. , China.

Statement (Comparison of EN137 and ISO 23269-2 standard) dated 16th of August 2018 issued by Wuhan Testing Center of Marine Lifesaving Appliances, China.



Job Id: **344.1-009334-1**
Certificate No: **MEDB00005CB**

Tests carried out

Tested according to EN 137 (2006) and EN 136 (1998) including AC (1999) and AC (2003), ISO 23269-2:2011.

Marking of product

The product is to be marked in accordance with and ISO 23269-2 §9 and with the MED Mark of Conformity (see first page).

The compressed air cylinder markings shall include the charging pressure, capacity and the stamp of the authorised inspection body.