

EC Certificate

Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

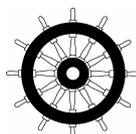
Certificate No.	60 074 - 13 HH
Applicant	Dongtai City Dongfang Marine Fitting Co., Ltd. 70, Middle Renmin Road, Xinjie Town Dongtai, P.R. CHINA
Manufacturer	Dongtai City Dongfang Marine Fitting Co., Ltd. 70, Middle Renmin Road, Xinjie Town Dongtai, P.R. CHINA
Product Description	Self-contained compressed-air-operated breathing apparatus
Product Name	Self-contained Breathing Apparatus "RHZK 5/30", "RHZK 6/30" and "RHZKF 6.8/30".
Trade Name	"RHZK 5/30", "RHZK 6/30" and "RHZKF6.8/30".
Specified Standards	SOLAS II-2 Reg.10, 1994 HSC Code Ch.7, 2000 HSC Code, Ch.7 FSS Code, Ch.3.2.1.2 EN 137:2006 EN 136:1998 including AC:2003
Related Directive	2011/75/EU
Equipment Section	Fire protection
Annex A.1 Item No.	A.1/3.7
Date of Issue	2013-03-26
Expiry Date	2018-03-25

Germanischer Lloyd

Notified Body No.: 0098

Page

1 of 3



Nils Wegener

Schedule of Approval

Approval Documentation

Test Report Nos.2007023 dated 22.06.2007, 2007075 dated 29.12.2007 issued by Wuhan Quality Test Center for Marine Survival Equipment.

Test Report Nos 2012075 dated 21.05.2012, 2012165, 2012166 and 2012167 dated 22.01.2013 and 2012168 dated 23.01.2013 issued by Wuhan Testing Center of Marine Life-saving Appliances, China.

(GL Ref. No.13-023128)

Technical Data

Self-contained Breathing Apparatus for shipboard use for fire-fighters:

Rated working pressure 30MPa

The principle components are as follows:

- a) full face mask "DFMZ-1" manufactured by the applicant (see Page 1),
- b) air supply valve,
- c) cylinder valve and pressure reducer
- d) pressure gauge and rest air alarm,
- e) back frame and harness,
- f) Compressed air cylinder manufactured by "Shanghai High Pressure Special Gas Cylinder Co., Ltd" or "Nanjing Banqiao Fire Fighting Equipment Co., Ltd.":
 - RHZK5/30, steel (Volume 5 L),
 - RHZK6/30, steel (Volume 6L),or compressed air cylinder, manufactured by "Zhejiang KaiboPressure vessel Co., Ltd":
 - RHZKF6.8/30, carbon fibre composite (Volume 6.8 L).

Markings:

The markings shall be as required by the specified standards and shall also include the EC "Mark of Conformity" according to the Directive.

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

Manufacturer's instructions:

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.

Use and maintenance only by trained and qualified persons.

Certificate No: 60 074 - 13 HH

Date of Issue: 2013-03-26

Remarks

None.

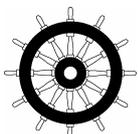
Limitations on the acceptance or use of the product

See under "Manufacturer's instructions" on Page 2.

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

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.



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.