

SAFETY EQUIPMENT

Component :

SELF-CONTAINED COMPRESSED AIR BREATHING APPARATUS (MARINE), RHZK 6/30

Brand :



The RHZK 6/30 Self-contained compressed air breathing apparatus is to be used by trained personnel in case of oxygen deficiency or in highly contaminated environments. Owing to the versatility of use and easy operation these breathing apparatus are the basic equipment for fire-fighters and rescue teams. The breathing apparatus are also suitable for routine interventions in chemical plants and to evacuate premises wherever the staff may be exposed to dangerous toxics. These breathing apparatus are manufactured in compliance with 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).

**FEATURES**

- Demand valve with automatic insertion of positive pressure
- Panoramic Full Facemask
- Warning Device
- Pressure Reducer
- Safety quick connectors
- Pressure gauge
- Simplified maintenance
- Anatomically shaped backplate

Each RHZK 6/30 Self-contained compressed air breathing apparatus comes complete with:

- Full face mask
- Air supply valve
- Pressure gauge and rest air warning system
- Pressure reducer
- Back plate
- Seamless steel cylinder

Model	RHZK 6/30
Type	Self-Contained Compressed Air Breathing Apparatus (Marine)
Weight	14 kg
Service Time	60 min
Cylinder	6 L Volume, Steel material
Working Pressure	30 MPa

Approval / Compliance :



a) SCBA (Self-Contained Breathing Apparatus)



RHZK 6.8/30



RHZK 5/30 and RHZK 6/30

Product Inspection Standard: Requirements of the International Code for Fire Safety Systems and GA124-2004.

Certification: EC-MED (GL) and CCS

EC Type Examination Certificate No.: 54 775 - 08 Lux

Component: Silicone full face mask, Cylinder, pressure gauge and alarming device, back support, demand valve, pressure reduce valve.

This suit is easy to operate, and can be used for rescuing or working in the petrochemical, electrical power and mine exploiting as well as the noxious environment with rare oxygen.

Pressure gauge: To see the air pressure and balance. The dial plate made of luminous material which can be clearly read in dark.

Model	Working pressure (MPa)	Volume (L)	Air Deposit (L)	Duration Period (M'in)	Alarm Pressure (MPa)	Weight (Kg)	Material of Cylinder	Packing (mm)
RHZK5/30	30	5	1500	40-50	4~6	≤12	Steel	755×460×290
RHZK6/30	30	6	1800	50-60	4~6	≤14	Steel	755×460×290
RHZK6.8/30	30	6.8	2040	50-60	4~6	≤10	Al. lined Carbon fiber	755×460×290

SAFETY EQUIPMENT

Component :

METAL CABINET , MCBA-01 (BREATHING APPARATUS)

Brand :



FEATURES

- *Metal Cabinet*
- *Front Viewing Glass Panel*
- *Key Lock*
- *Break Glass with Spare Key*



Metal Cabinet suitable for use with RHZK 6/30 Self-contained compressed air breathing apparatus.

Model	MCBA-01
Type	Metal Cabinet for RHZK 6/30 Breathing Apparatus
Dimension	360mm (W) x 760mm (H) x 310mm (D)
Finish	Powder Coated Oven Baked
Color	Red

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003EW
Revision No:
1

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)
RHZK5/30, RHZK6/30 and RHZKF6.8/30

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) 2017/306,**

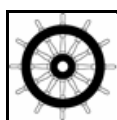
item No. MED/3.7. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 14, IGC Code 14 and IMO MSC.1/Circ.1499

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

This Certificate is valid until **2023-03-28.**

Issued at **Hamburg** on **2018-05-06**

DNV GL local station:
Nantong



for **DNV GL SE**

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

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.



Job Id: **344.1-007618-3**
Certificate No: **MEDB00003EW**
Revision No: **1**

Product description

"RHZK5/30, RHZK6/30, RHZKF6.8/30"

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

Principle components:

- a) Full face mask "DFMZ-I", manufactured by the applicant (see Page 1),
- b) Air supply valve,
- c) Cylinder valve and pressure reducer,
- d) Electrical pressure gauge and rest air warning system acc. to IMO Res. MSC.339(91), in conjunction with IMO SC.1/Circ.1499
- 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).

Maximum working pressure 30MPa.

Application/Limitation

This certificate is based on the previous MED-B 60074-13 HH.

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.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 WuhanTesting Center of Marine Life-saving Appliances, China.

Test Report No. 20151208 dated 2015-12-08 at Dongtai City Dongfang Marine Fitting Co., Ltd. witnessed by DNVGL Surveyor.

Tests carried out

Tested according to EN 137 (2006) and EN 136 (1998) including AC (1999) and AC (2003).

Marking of product

The product or is to be marked with name and address of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity (see first page), EN 136:1998 incl. AC:2003 §9 and EN 137:2006 §8.

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



FIRE
systems

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UEN / GST Reg. No. 201016803H

PROJECTS REFERENCE : 2018

DATE	COUNTRY	DESCRIPTION	REMARK
Jan-18	Singapore	Parliament House - Existing Data Centre	1 x SCBA
Feb-18	Singapore	Sgae Software Asia @ Asia Square Tower 2	1 x SCBA
Feb-18	Singapore	BOI @ SBF Centre Level28	1 x SCBA
Mar-18	Singapore	IHIS Project - Lan Room, IT Hub Room and Server Room	2 x SCBA
May-18	Singapore	DEFU	1 x SCBA
May-18	Singapore	6th Waste-To-Energy Plant (ECO TUAS)	1 x SCBA
Jun-18	Singapore	Seagate W2 22kV HT Consumer Switch Room	1 x SCBA
Jun-18	Singapore	AIA Tower	1 x SCBA
Aug-18	Singapore	Lazada at AXA Tower	4 x SCBA
Aug-18	Singapore	Alibaba at AXA Tower	2 x SCBA
Aug-18	Singapore	Mapletree Business City #16-83-84	1 x SCBA
Oct-18	Singapore	80 Robinson Road	1 x SCBA
Nov-18	Singapore	Red Dot Building	1 x SCBA
Nov-18	Singapore	Gurkha Camp	5 x SCBA
Nov-18	Singapore	Jalan Besar Community Club at 69 Jellicoe Road	2 x SCBA
Dec-18	Singapore	Suntec Tower 4_#33-01,02	1 x SCBA
Dec-18	Singapore	CIC @ Frasers Tower, Level 33	1 x SCBA
Dec-18	Singapore	Bruker Office at 3 Matrix, 9F	1 x SCBA

PROJECTS REFERENCE : 2019

DATE	COUNTRY	DESCRIPTION	REMARK
Jan-19	Singapore	161 Gul Circle	1 x SCBA
Jan-19	Singapore	Frasers Tower - Level 20 to 22	3 x SCBA
Mar-19	Singapore	Temasek Synamedia #19-03	1 x SCBA
Mar-19	Singapore	Rosneft @ Ocean Financial Centre L29	1 x SCBA
Apr-19	Singapore	Nexus International School	2 x SCBA
Apr-19	Singapore	Siltronic CZ Building Extension	3 x SCBA
Apr-19	Singapore	Shopee Building at 5 Science Park Drive	1 x SCBA
May-19	Singapore	IHIS Level 5	1 x SCBA
May-19	Singapore	Jurong Island	1 x SCBA
Jun-19	Singapore	Supreme Court	1 x SCBA
Jun-19	Singapore	6 Kwong Min Road	1 x SCBA
Jun-19	Singapore	Singtel DC Jurong West - Level 7	1 x SCBA
Jul-19	Singapore	Heeren - Level 20	1 x SCBA
Aug-19	Singapore	IHIS @ Serangoon Level 3	1 x SCBA
Aug-19	Singapore	IHIS @ Serangoon Level 5	1 x SCBA
Aug-19	Singapore	Napco @ Singtel DC West - Package 4 - Level 1	3 x SCBA
Aug-19	Singapore	Gombak Camp	1 x SCBA
Sep-19	Singapore	Entegis - Level 13	1 x SCBA
Oct-19	Singapore	Petrobras - Level 8	1 x SCBA
Oct-19	Singapore	1 Cleantech Loop #04-04	1 x SCBA
Dec-19	Singapore	Becton Dickinson - Level 7	1 x SCBA

PROJECTS REFERENCE : 2020

Jan-20	Singapore	Gombak Camp	1 x SCBA
Jan-20	Singapore	Bedok Waterworks at 5 Kaki Bukit Road	1 x SCBA
Jun-20	Singapore	Dematic - Level 5	1 x SCBA