

EC DECLARATION OF CONFORMITY

Directive 96/98/EC, amended by 2009/26/EC

We hereby declare that the product identified below has been manufactured in accordance with the type approval units and complies with the above mentioned European Directive.

Manufacturer ; Add:	Shanghai Fangzhan Fire Technology Co., Ltd. No.288, Gangnan YiZu, Laogang Town, Pudong New Area, Shanghai, China
MED Annex A.1 Item No.:	A.1/3.7
Item designation:	Self-contained compressed air operated breathing apparatus
Product Name:	Self-contained compressed air operated breathing apparatus
Type:	Self-contained Open-circuit compressed air breathing apparatus (RHZK6/30)
Serial number (s)	1260216 ~ 1260225
Type examination by:	KR HELLAS LTD. 41, Athinas Av., Vouliagmeni, GR-16671, Athens, Greece Notified body No. 2198
Type examination Certificate No.:	MED-MB-3003-11
Assessment of the Production Quality Assurance by:	KR HELLAS LTD. 41, Athinas Av., Vouliagmeni, GR-16671, Athens, Greece Notified body No. 2198
EC certificate of conformity No.:	MED-MD-1003-11
Applied standard:	SOLAS 1974 as amended, Reg. II-2/10, X/3 and IMO Res. MSC.36(63)-(1994 HSC code) 7, IMO Res. MSC.97(73)- (2000 HSC code) 7 and IMO Res. MSC.98(73)-(FSS code) 3, EN 136(1998) including AC(1999) and AC(2003) and EN 137(2006)

The manufacturer must affix the following mark to each product. The mark must be accompanied by the identification symbol of the notified body responsible for surveillance.



2198-12

MANUFACTURER:

Shanghai Fangzhan Fire Technology Co., LTD

SIGNATURE: 杨小军

Position: General manager

DATE: 2012. 07



F7F.0029928

KR HELLAS LTD.
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GR-16671, Athens, Greece
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Certificate No:
MED- MB-3003-11
MED Item No: A.1/3.7
This consists of 3 pages.
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EC TYPE EXAMINATION CERTIFICATE

as per **Module B**
of European Council Directive 96/98/EC on Marine Equipment (MED)

THIS IS TO CERTIFY that KR Hellas Ltd., designated by the Hellenic Republic of Greece as Notified Body according to Council Directive 96/98/EC on Marine Equipment as amended, did undertake the EC Type Examination procedures for the product identified below according to the following specific standards and that the product is found to meet the specific standards in compliance with the requirements of Annex A.1, Section 1, item No. A.1/3.7 and Annex B, Module B in the Council Directive 96/98/EC as amended by Commission Directive 2009/26/EC:

Manufacturer Name : Shanghai Fangzhan Fire Technology Co., Ltd.
Address : No.288; Gangnan YiZu, Laogang Town, Pudong New Area, Shanghai, China
Product Name (A.1 item designation) : Self-contained compressed air operated breathing apparatus
Product Type : Self-contained Open-circuit compressed air breathing apparatus (RHZK6/30, RHZKF6.8/30)
Specific Standards : SOLAS 1974 as amended, Reg. II-2/10, X/3 and IMO Res. MSC.36(63)-(1994 HSC code) 7, IMO Res. MSC.97(73)-(2000 HSC code) 7 and IMO Res. MSC.98(73)-(FSS code) 3, EN 136(1998) including AC(1999) and AC(2003) and EN 137(2006)

This certificate is issued at Athens on 17th March 2011, under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.

This certificate is valid until 16th March 2016.



Notified Body No.2198




Kwon Jae-Geun
CEO of KR Hellas Ltd.

Any person not a party to the contract pursuant which this document is delivered may not assert a claim against KRH for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personal of KRH in establishment or issuance of this document, and in connection with any activities for which it may provide. In this provision KRH shall mean the KR Hellas Ltd. as well as all its subsidiaries, directors, officers, employees and any other acting on behalf of KR Hellas Ltd.



Attachment to EC Type Examination Certificate(1/2)

Type examination documentation:

Each product should be manufactured according to the following approved main drawings;

- RHZK-00-00 'Self-contained compressed air operated breathing apparatus'
- RHZK-00-02/03 'Backing'
- RHZK-00-05 'Gas cylinder'
- RHZK-05-00 'Medium pressure pipe assembly'
- RHZK-04-00 'High-pressure connector'
- RHZK-00-04 'Positive pressure air control device'
- RHZK-00-01 'Pressure relief valve assembly'

Test reports:

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

Report No.	Title of Report	Inspection & Test Institutes	Date
KRH-W-0062-10	Inspection record for self contained compressed air operated breathing apparatus	Korean Register of Shipping	21/02/2011
2010074 2010075	Test report for RHZK6.0/30,RHZKF6.8/30	Wuhan Testing Center of Marine Life-saving Appliances	12/01/2011

Product particulars:

1. RHZK6/30 and RHZKF6.8/30 of positive pressure air breathing apparatus is an open-air self-contained breathing apparatus.
2. The products are consisting of main components such as cylinder, bottles, pressure regulator, pressure gauge, alarm whistle and full cover.
3. Principal particulars for RHZK6/30 and RHZKF6.8/30 are as followings.

Product Description	Air cylinder volume(L)	Working pressure (MPa)	Air supply rate (L/min)	Use time(min)	Weight (kg)	Alarm (Mpa)	Air storage capacity (L)
RHZK6/30	6	30	300	60	≤14	5~6	1800
RHZKF6.8/30	6.8	30	300	60	≤8.5	5~6	2040





Certificate No :

MED- MB-3003-11

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Attachment to EC Type Examination Certificate(2/2)

Application/Limitations of Use:

1. Installation, operating and maintenance manual to be provided onboard and available in the ship's official language.
2. The equipment should be used according to manufacturer's instruction manuals.
3. To avoid undesirable effects associated with expansion of gases at different filling pressures, a warning shall be given that for devices using more than one valved pressure vessel each of those shall be filled to their rated filling pressure prior to use. This warning shall include the information that after the correct connection of those valved pressure vessels all shut-off valves shall be in the "OPEN" position prior to and during use.
4. Information supplied by the manufacturer shall be followed according to EN137(2006) chap.9

Marking of product

1. The marking of product to be in accordance with EN 137(2006) chap. 8.
2. Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on marine equipment and issue a Declaration of Conformity, only when the module D or E or F of Annex B in the directive is fully complied with.

Conditions of the validity:

1. The products are to be manufactured in accordance with the approved production quality assurance system (Module D) or approved product assurance system (Module E), or are to be subjected to product verification (Module F) of the Council Directive 96/98/EC on Marine Equipment as amended.
2. If the Directive or the applied Standard(s) is amended, the product is to be re-approved in accordance with the amended requirements prior to it being supplied to vessels to which the amended Directive or Standard(s) apply. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid.
3. The Manufacturer must inform the "Notified Body" of all modifications which may affect compliance with the requirements.
4. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

End of Certificate



FZF.0025116

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Certificate No:
MED- MD-1003-11
MED Item No:A.1/1.6 & 3.7 & 3.41
This consists of 2 pages.
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EC QUALITY SYSTEM ASSESSMENT CERTIFICATE

as per **Module D**

of European Council Directive 96/98/EC on Marine Equipment (MED)

THIS IS TO CERTIFY that KR Hellas Ltd., designated by the Hellenic Republic of Greece as Notified Body according to Council Directive 96/98/EC on Marine Equipment as amended, did undertake the relevant conformity assessment of the quality system for the product identified below and in Annex A.1, item No. A.1/1.6 & 3.7 & 3.41 with respect to the procedure of Production Quality Assurance described in Annex B, Module D in the Directive as amended by Commission Directive 2009/26/EC, and that the Quality System for the product below with product designations as specified in the Appendix to this certificate is found to comply with the applicable requirements.

Manufacturer Name : **Shanghai Fangzhan Fire Technology Co., Ltd.**
Address : **No.288, Gangnan YiZu, Laogang Town, Pudong New Area, Shanghai, China**
Product Name : **Immersion suits and anti-exposure suits classified as lifejackets**
(A.1 item designation) : **Self-contained compressed air operated breathing apparatus**
Emergency escape breathing devices (EEBD)

This certificate is issued at Athens on 17th March 2011, under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.

This certificate is valid until 16th March 2016 subject to annual periodical audits.



Notified Body No.2198



Kwon Jae-Geun

CEO of KR Hellas Ltd.

Any person not a party to the contract pursuant which this document is delivered may not assert a claim against KRH for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personal of KRH in establishment or issuance of this document, and in connection with any activities for which it may provide. In this provision KRH shall mean the KR Hellas Ltd. as well as all its subsidiaries, directors, officers, employees and any other acting on be half of KR Hellas Ltd.



Certificate No :

MED- MD-1003-11

MED Item No : A.1/1.6 & 3.7 & 3.41

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Attachment to EC Quality System Assessment Certificate(1/1)

Product Designation :

Product Type	EC Type Examination Certificate No.	Expiry date
Immersion suits classified as lifejackets (FZB-II)	MED- MB-1005-11	16 March 2016
Self-contained Open-circuit compressed air breathing apparatus (RHZK6/30, RHZKF6.8/30)	MED- MB-3003-11	16 March 2016
Emergency escape breathing devices (TH/15)	MED- MB-3004-11	16 March 2016

This authorization is subjected to the condition specified in Module D of Appendix B of Council directive 96/98/EC on marine equipment as amended, including the periodical surveillance and unannounced visits by KR Hellas. The manufacturer is allowed to affix the Mark of Conformity followed by KR Hellas Ltd. identification number 2198 and two last digits of the number of the year in which the product is produced

Example :  2198/11

The manufacturer shall issue a Declaration of Conformity (DOC) for each product with reference to the EC Type Examination Certificate and this EC Quality System Assessment Certificate.

Conditions of the validity:

1.	The products are to be manufactured in accordance with the approved production quality assurance system (Module D) of the Council Directive 96/98/EC on Marine Equipment as amended.
2.	If the Directive or the applied Standard(s) is amended, the product is to be re-approved in accordance with the amended requirements prior to it being supplied to vessels to which the amended Directive or Standard(s) apply. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid
3.	The Manufacturer must inform the "Notified Body" of modifications made to the Quality System which may affect compliance with the requirements.

End of Certificate



FZF.0025122



上海方展消防科技有限公司
Shanghai Fang Zhan Fire Technology Co., Ltd.



2198-12

气瓶组件产品合格证

Quality certificate for Air Cylinder Assembly

产品型号

Model

RHZKZJ6/30

生产日期

Date

2012.07

产品编号

Product No

1260216

气瓶编号

Air bottle No

001980

主要指标

Performance

气瓶 Air bottle	容量 Capacity	6L
	工作压力 Working pressure	30MPa
	储气量 Storage capacity	>1200L

本产品经检验合格,符合 1974 年国际海上人命安全公约(SOLAS)2000 修正案及 II-2/10, X/3 号和国际海事组织, MSC.36(63)-(1994 年 HSC 规则)第七节, 国际海事组织, MSC.97(73)-(2000 年 HSC 规则)第七节, 国际海事组织, MSC.98(73)-(FSS 规则)3, EN136(1998) 包括 AC(1999) 和 AC(2003) 和 EN 137(2006)。

It's in compliance with the provisions of the 2000 Amendments to SOLAS 1974, Reg. II-2/10, X/3 and IMO Res. MSC.36(63)-(1994 HSC code)7, IMO Res. MSC.97(73)-(2000 HSC code) 7 and IMO Res. MSC.98(73)-(FSS code) 3, EN 136(1998) including AC(1999) and AC(2003) and EN 137(2006).

检验员(章)

Surveyor



检验日期:

Date of inspection

2012.07

<http://www.119fz.com>