



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED080718WS/003

***This is to certify** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2018/773.*

<i>MED Item N°</i>	MED/3.41
<i>Description</i>	Emergency Escape Breathing Devices (EEBD)
<i>Type</i>	TH15G
<i>Applicant</i>	JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE DANYANG CITY, JIANGSU PROVINCE CHINA
<i>Testing standards</i>	ISO 23269-1 (2008); EN 1146 (2005)
<i>Reference standards</i>	SOLAS 74 Reg.II-2/13, IMO Res.MSC.98(73)-(FSS Code) 3, IMO MSC/Circ.849.

Issued in SHANGHAI on
July 12, 2018

This Certificate is valid until
June 24, 2023

This Certificate consists of this sheet plus an attachment



Hai Wen Zhang

RINA Services S.p.A.





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Manufacturer

JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD

Place of Manufacturer

NO.8 HUANGJINTANG WEST ROAD
ECONOMIC DEVELOPMENT ZONE
DANYANG CITY
JIANGSU PROVINCE
CHINA

Name & place of Authorised Representative

MRS. ANITA WESLING
KARL-LEGIEN-STR.2, 45356 ESSEN, GERMANY

Product Description

Emergency Escape Breathing Device (open-circuit compressed air breathing apparatus with a hood for escape) is designed with the following main characteristics:

Model	Maximum Working Pressure	Volume	Air Deposit	Service Time (min)	Weight (Kg)	Packing size (mm)
TH15G	21 Mpa	3.2 L	672 L	≥15 (35 L/min)	≤ 7.5	520 x 150 x 250

Main Components

Components	Model	Manufactory
Pressure Cylinder	Steal Cylinder	Sinoma Science & Technology (Jiu Jiang) Co., Ltd or, Zhe Jiang Orientx Fire Safety Equipment Co., Ltd
Air Cylinder Valve	HPb59-1	DanYang Feilun Gas Valve Co.,Ltd
Face Mask	---	assembled by Jiangsu Huayan Marine Equipment Co.,Ltd

Field of Application

Emergency Escape Breathing Devices to be use only for escape according to Ch II-2/Reg13.3.4 of SOLAS '74 as amended and designed according to Fire Safety Code, Ch.3, Par.2.2.

Reference Documents

Technical Drawing, approved by RINA with No. SHFP-11716;
EEBD Component List, approved by RINA with No. SHFP-11791;
Instruction Manual, filed by RINA with No. SHFP-11720;
Technical Standard, approved by RINA with No. SHFP-11718.



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Test Carried Out

Test Report No. 2017180 issued by China Classification Society Wuhan Rules and Research Institute Testing Center of Marine Life-Saving Appliances and filed by RINA with No. SHFP-11719.

Remarks

The device is not intended for use in fire fighting fires, entering oxygen deficient voids or tanks, nor to be worn by fire-fighters.

Each device shall be properly marked according to EN 1146 (2005), Par. 8 with means of identification, working duration, European Standard EN 1146, serial number, shelf life with manufacturer date and the maximum pressure vessel pressure.

"For escape only" shall be applied on each device. All EEBD training units shall be clearly marked.

Inspection, maintenance, use, transportation and shelf life shall be in accordance with the manufacturer's instruction.



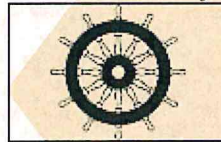
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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*
YYYY *The year in which the mark is affixed*

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.



Zhang Hai Wen

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