



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED199022WS/001

***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 Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2023/1667.*

MED Item N°

MED/1.4

Description

Life jackets

Type

RSY-150TS-1, RSY-150TS-2

Applicant

JIAXING RONGSHENG LIFESAVING EQUIPMENT CO., LTD

NO.159 YAOJIA ROAD, WANGDIAN TOWN, JIAXING
ZHEJIANG, CHINA

Testing standards

IMO Res. MSC.81(70), as amended, IMO Res. MSC.481(102).

Reference standards

SOLAS 74 Reg. III/7, SOLAS 74 Reg. III/22, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) II, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC.1/Circ.1470, IMO MSC.1/Circ.1628.

Issued in **SHANGHAI** *on*
November 13, 2023

This Certificate is valid until
November 12, 2028

This Certificate consists of this sheet plus an attachment



Qiang Sun

RINA Services S.p.A.



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Manufacturer

JIAXING RONGSHENG LIFESAVING EQUIPMENT CO., LTD

Place of Manufacturer

NO.159 YAOJIA ROAD
WANGDIAN TOWN
JIAXING
ZHEJIANG
CHINA

Name & place of Authorised Representative

Mr. Antonio TRANI (SSI SRL)
Via Ponte dei Francesi 43 - 80146 Napoli Vat 10227171211, ITALY
ITALY

Main Characteristics

The Inflatable lifejackets for adult (Type: RSY-150TS-1, RSY-150TS-2) with the following main components:

- Minimum Buoyancy: 150N, buoyance lost after 24 hours : $\leq 5\%$;
- Number of Inflatable Chambers: 2;

Components	Material or Type	Manufacturer / Supplier
Inflatable Chamber Material	TPU	Wenzhou Kangjia Plastics Co.,Ltd
Lifejacket Cover Fabric	210 D Polyester Oxford (Polyurethane)	Wenzhou Kangjia Plastics Co.,Ltd
Inflation System	Automatic Inflation (UML-5)	Shanghai Banner Technology Development Co.Ltd
	CO2 Gas Cylinder (33 g)	
	Manual Inflation (840 AM)	Jiangyin Wenlin Shengda Plastics Factory
	Oral Inflation	Jiangyin Wenlin Shengda Plastics Factory
Airbag Fixed Buckle	Nylon	Yuhang Diyong Town Ronghua Plastic Factory
Belt & Buoyancy Line	Polyester	Pinghu Sanjun Belting Co., Ltd
Lifejacket Light	RSYD-A2	Jiaxing Rongsheng Lifesaving Equipment Co., Ltd
Whistle	RSKS-1	Jiaxing Rongsheng Lifesaving Equipment Co., Ltd
Retro-reflective Tape Material	YGM-1100-TC	Zhejiang YGM Technology Co.. Ltd

Application/Limitation of Use

- The lifejackets (Type: RSY-150TS-1, RSY-150TS-2) are approved for use only by adult of weight more than 43 Kg and height more than 155 cm, to fit person weighing up to 140 kg and with a chest girth of up to 1750 mm, suitable accessories shall be provided.
- Temperature Range : -30°C~ +65°C.
- The lifejacket can be equipped with different position indicating lights and Retro-Reflective materials EC type approved in compliance with Directive 2014/90/EU as amended.





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Design Assessment

The design assessment is based on IMO Res.MSC.48(66)-(LSA Code) as amended by IMO Res.MSC.207(81), IMO Res.MSC.218(82) and IMO Res. MSC.368(93).

Tests carried out in accordance with revised recommendation on testing of lifesaving appliance, IMO Res.MSC.81(70), Part 1, including IMO Res.MSC.200(80), IMO Res.MSC.226(82), IMO Res.MSC.323(89), IMO Res. MSC.378(93).

Production tests shall be conducted for each suit in accordance with IMO Res. MSC.81(70), part 2

Reference Documents

Technical drawings for the lifejackets:

- Inflatable Lifejacket (Type: RSY-150TS-1) Drawing (Rev.A/1) (Ref No.: RS/JS-54), approved with RINA No.: SHFP-11901;
- Inflatable Lifejacket (Type: RSY-150TS-2) Drawing (Rev.A/1) (Ref No.: RS/JS-55), approved with RINA No.: SHFP-11902;
- Instruction for use, filled with RINA No.: SHFP-11248;
- Technical Specification, approved with RINA No.: SHFP-11249;
- RTD Buoyancy Data Sheet, filled with RINA No.: SHFP-12076;
- Bill of Material for Lifejacket (Type: RSY-150TS-1), approved with RINA No.: SHFP-25011.
- Bill of Material for Lifejacket (Type: RSY-150TS-2), approved with RINA No.: SHFP-25012.

Tests Carried Out

Tests carried out in accordance with Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC.81(70), Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82), IMO Res. MSC.323(89) and IMO Res. MSC.378(93) as below:

- Test Report (Buckle, Hardware) (Ref No.: 2016014) issued by Wuhan Testing Center of Marine Life-saving Appliances, filled with RINA No.: SHFP-12077 & SHFP-12432;
- Inspection Report (Fabric Tape) (Ref No.: 2013YW151) issued by The National Supervision and Testing Center of Fishery Machinery and Instrument, filled with RINA No.: SHFP-12078;
- Test Report (Whistle) (Ref No.: 2016066) issued by Wuhan Testing Center of Marine Life-saving Appliances, filled with RINA No.: SHFP-12079 & SHFP-12431;
- Test Report (Coated Fabric Material) (Ref No.: 2017130), issued by Wuhan Testing Center of Marine Life-saving Appliances, filled with RINA No.: SHFP-12080 & SHFP-12430;
- Inflatable Lifejacket Evaluation and Test Report (RSY-150TS-1) (Ref No.: 2017124) issued by Wuhan Testing Center of Marine Life-saving Appliances, filled with RINA No.: SHFP-12148;
- Inflatable Lifejacket Evaluation and Test Report (RSY-150TS-2) (Ref No.: 2017120) issued by Wuhan Testing Center of Marine Life-saving Appliances, filled with RINA No.: SHFP-12150.
- Supplement Evaluation and Test Report for Buoyance (Ref. No.:2017124b) for lifejackt (Type: RSY-150TS-1) carried out by Wuhan Testing Center of Marine Life-saving Appliances dated on Jun.17~Jun.18.202, and filled with RINA No. SHFP-25112;
- Supplement Evaluation and Test Report for Buoyance (Ref. No.:2017120b) for lifejackt (Type: RSY-150TS-2) carried out by Wuhan Testing Center of Marine Life-saving Appliances dated on Jun.17~Jun.18.2023, and filled with RINA No. SHFP-25111;
- Routine Test Report for lifejacket (Type: RSY-150TS-1) edited by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd dated on Aug.27.2023, and filled with RINA No. SHFP-25009;
- Routine Test Report for lifejacket (Type: RSY-150TS-2) edited by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd dated on Aug.27.2023, and filled with RINA No. SHFP-25107;
- RTD Data Report for Adult (Ref. No.: 2023SN32) on serial number SN32, and filled with RINA No. SHFP-25105.





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Marking of Product

The product is to be indelibly marked with name of manufacturer, type designation and date of manufacture. The marking shall comply with the LSA Code [IMO Res. MSC.48(66)], item 1.2.2.9, etc.

Notes

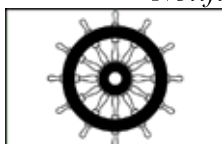
For the Lifejacket to be placed on board after October 10, 2026, the Retro-reflective materials to be fitted as per Annex I, Para 1 of IMO Res. MSC.481(102).





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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 not 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 reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



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RINA Services S.p.A.