



## EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. **MED114016WS**

*This is to certify that RINA Services S.p.A. 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 (EU) 2015/559.*

*MED Item N°*

**A.1/3.55**

*Description*

**Dual-purpose type nozzles (spray/jet type)**

*Type*

**QLD40J-1; QLD50J-1; QLD65J-1**

*Applicant*

**JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD**

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

*Testing standards*

**EN 15182-1 (2007) including A1 (2009)**

*Reference standards*

**Reg II-2/10 of SOLAS '74 as amended, IMO Res.**

**MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000  
HSC Code) 7**

*Issued at SHANGHAI on*  
October 17, 2016

*This Certificate is valid until*  
October 16, 2021

*This Certificate consists of this sheet plus an attachment*



**Giuseppe Zagaria**

*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  
JIANGSU  
CHINA

*Name & place of Authorised Representative*

Mrs. Anita Wesling  
Karl-Legien-Str.2, 45356 Essen, Germany

**Product Description**

Dual-purpose type nozzles (Spray/Jet type) model hand-held branchpipes for fire service, use smooth bore jet and/or one fixed spray jet angle branchpipes PN 16.

Type	QLD40J-1	QLD50J-1	QLD65J-1
Working Pressure	6 bar	6 bar	6 bar
Nozzle Diameter (mm)	12 / 16 / 19	12 / 16 / 19	12 / 16 / 19
Flow Rate at Straight Jet (6 bar) (L/min)	216 / 285.3 / 294	222.8 / 362.5 / 384.2	229.5 / 412.3 / 524.8
Effective Throw (6 bar) (m)	28 / 33 / 35	29 / 35 / 37	30 / 40 / 41
Spray Angle (6 bar)	125° / 115° / 120°	120° / 125° / 130°	125° / 130° / 130°
Mass (Kg)	1.12	1.57	2.35

**Field of Application**

Dual-purpose type nozzles (Spray/Jet type) to be used in conjunction with hoses for fire fighting purposes on board ships.

The dual-purpose type nozzle may be equipped with fixed couplings as well, if the operability of the nozzle is not impaired.

Each product is to be supplied with its manual for use and maintenance.





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**Reference Documents**

- Data Sheet issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9699;
- Technical Drawing (QLD40J-1) issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9700;
- Technical Drawing (QLD50J-1) issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9701;
- Technical Drawing (QLD65J-1) issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9702;
- Instruction and Maintenance Handbook issued by Jiangsu Huayan Marine Equipment Co., Ltd and filed by RINA with No.: SHFP-9704;
- Marking issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9705;
- Technical Parameters issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-9707.

**Tests Carried Out**

Evaluation Test Report (Ref No.: 20160929) issued in compliance with EN 15182-1 (2007) including A1 (2009) / EN 15182-3 (2007) including A1 (2009) and filed by RINA with No.: SHFP-9706.

**Remark**

Branchpipes shall be permanently marked according to Par. 8.2 of EN 15182-1 (2007) including A1 (2009).

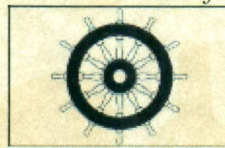
Each branchpipe shall be delivered with an instruction and maintenance handbook, according to EN 15182-1 (2007) including A1(2009).





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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 reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



**Giuseppe Zagaria**