



**EC TYPE EXAMINATION (MODULE B)**  
**CERTIFICATE No. MED562225WS/002**

***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) 2025/1533.*

<i>MED Item N°</i>	<b>MED/3.55a</b>
<i>Description</i>	<b>Dual-purpose type nozzles (spray/jet type): (a) Hand-held branch pipes for fire service use - Combination branch pipes PN 16 QD12A, QD16A, QD19A</b>
<i>Type</i>	<b>QD12A, QD16A, QD19A</b>
<i>Applicant</i>	<b>NANTONG HAIZHOU MARINE EQUIPMENT CO., LTD.</b> INDUSTRY AREA, TIANBU TOWN HAIMEN, NANTONG CHINA
<i>Testing standards</i>	<b>EN 15182-1:2019, EN 15182-2:2019.</b>
<i>Reference standards</i>	<b>SOLAS 74 Reg. II-2/10, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7.</b>

*Issued in* **SHANGHAI** *on*  
**January 19, 2026**

*This Certificate is valid until*  
**January 18, 2031**

*This Certificate consists of this sheet plus an attachment*



**Hai Wen Zhang**  
RINA Services S.p.A.



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*Manufacturer*

**NANTONG HAIZHOU MARINE EQUIPMENT CO., LTD.**

*Place of Manufacturer*

INDUSTRY AREA  
TIANBU TOWN  
HAIMEN  
NANTONG  
CHINA

*Name & place of Authorised Representative*

SEACOTEC GmbH & Co. KG  
Dr. Robert Surma  
Zippelhaus 3, 20457 Hamburg, Germany  
GERMANY

**Product Description**

Dual-purpose Spray/Jet Nozzles (Type: QD12A, QD16A, QD19A) for discharging water from the ship's fire main by using fire hoses.

Type	QD12A	QD16A	QD19A
Max. Working Pressure (bar)	16	16	16
Normal Working Pressure (bar)	6	6	6
Nozzle Diameter (mm)	12	16	19
Flow Rate at Straight Jet (@6 bar) (L/min)	281	355	406
Flow Rate at Wide Spray Jet (@6 bar) (L/min)	520	531	535
Effective Throw at Straight Jet (@6 bar) (m)	28.2	30.2	32.6
Min. Spray Angle	0	0	0
Max. Spray Angle	110	109	108
Mass (Kg)	1.16	1.18	1.19
Materials	Aluminum Alloy (Nozzle), Brass (Coupling)		

**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 delivered with its manual for use and maintenance handbook according to EN 15182-1 Ch. 8.1.





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*Continued:*

**Reference Documents**

- User Manual, filed by RINA with No.: SHFP-33731;
- Marking, filed by RINA with No.: SHFP-34840;
- Technical Drawings, approved by RINA with No.: SHFP-34841;
- Technical Specification, filed by RINA with No.: SHFP-34844;
- Material List, filed by RINA with No.: SHFP-34843.

**Tests Carried Out**

Test Report (Ref No.: 20251226) issued in compliance with EN 15182-1:2019 & EN 15182-2:2019 and filed by RINA with No.: SHFP-35324.

**Remark**

The product is to be marked according to EN 15182-1:2019 Ch. 8.2 and in addition with the MED Mark of Conformity, Notified Body No. and the year of manufacturing.

For Jet spray angles and adjustment positions, also to be clearly marked.

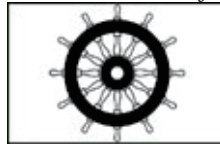
Each branchpipe shall be delivered with an instruction and maintenance handbook, according to Ch. 8.1.2 & 8.1.3 of EN 15182-1:2019.





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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*

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***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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**Hai Wen Zhang**  
**RINA Services S.p.A.**