



**TYPE APPROVAL CERTIFICATE**  
No. FPE251415WS/001

**This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"**

<i>Description</i>	<b>Water Mist Lance</b>
<i>Type</i>	<b>QWJ6.0/0.8</b>
<i>Applicant</i>	<b>JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE, DANYANG CITY, JIANGSU PROVINCE CHINA</b>
<i>Manufacturer</i>	<b>JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD</b>
<i>Place of manufacture</i>	<b>NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE, DANYANG CITY, JIANGSU PROVINCE CHINA</b>
<i>Reference standards</i>	<b>Not Available (Only Performance Requirement Stated in Reg.II-2/10.7.3.1.1 of SOLAS '74 as amended)</b>
<i>Reference documents</i>	<b>Rules for Testing and Certification of Marine Materials and Equipment</b>

Issued in **SHANGHAI** on **February 27, 2016.** This Certificate is valid until **February 26, 2021**



**RINA Services S.p.A.**  
**Giuseppe Zagaria**

This certificate consists of this page and 1 enclosure



## TYPE APPROVAL CERTIFICATE

No. **FPE251415WS/001**

Enclosure - Page 1 of 1

**QWJ6.0/0.8**

### Field of Application

Water Mist Lance for Suppression of Fires inside Containers is designed in accordance with IMO Resolution MSC.365(93).

### Technical Data

Main Components: Impact Hammer, Spray gun with Storz 25A Inlet Coupling and lance section with Water Mist Nozzle, Storz Adapter Coupling

Nominal Pressure and flow: 50L/min @ 0.6 Mpa

Maximum Working Pressure: 1 Mpa

Jetting Range: 6 m @ 0.6 Mpa

Inlet Dimension: DN25

Material of Impact Hammer: 45# (Plating nickel on surface)

Drill Size:  $\Phi$  19 mm, 77 mm in Depth

Length of Impact Hammer: 478 mm

Material of Spray Gun: SS316

Switch: DN25 Ball Valve made of Copper Alloy

Mist Nozzle: 16  $\times$   $\Phi$  2 mm holes around Lance Chip

Length of Spray Gun: 520 mm

Inlet Coupling: Storz 25A

### Reference Document

The design assessment is based on IMO Resolution MSC.365(93) with following documents:

- Technical Drawing of Water Mist Lance, issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-8935;

- Manual Instruction, issued by Jiangsu Huayan Marine Equipment Co., Ltd and approved by RINA with No.: SHFP-8937.

### Production and Tests

The production must be carried out in accordance to the manufacturer quality production system.

Tests is carried out and witnessed by RINA Surveyor only performance requirement stated in Reg.II-2/10.7.3.1.1 of SOLAS '74 as amended. Relevant test report issued by Jiangsu Huayan Marine Equipment Co., Ltd (Ref No.: 20160127) has been filed by RINA with No.: SHFP-8936.

### Remark

Water Mist Lance should be equipped with a coupling allowing connection to the ship's fire hydrants by fire hoses. Adapter coupling will be provided if necessary, and the coupling should be sized so as to ensure that the flow and pressure needed for correct performance will be provided.

The manufacturer's operating guidelines includes information on the safe operation of the monitors to be observed.

SHANGHAI February 27, 2016



RINA Services S.p.A.  
Via Corsica, 12 - 16128 Genova  
Tel +39 010 53851  
Fax +39 010 5351000

