



TYPE APPROVAL CERTIFICATE

No. FPE109923WS/002

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

<i>Description</i>	PORTABLE FOAM APPLICATOR
<i>Type</i>	PQ8.C
<i>Applicant</i>	JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE DANYANG, JIANGSU CHINA
<i>Manufacturer</i>	JIANGSU HUAYAN MARINE EQUIPMENT CO.,LTD
<i>Place of manufacture</i>	NO.8 HUANGJINTANG WEST ROAD, ECONOMIC DEVELOPMENT ZONE DANYANG, JIANGSU CHINA
<i>Reference standards</i>	IMO Res.MSC.98(73)-(FSS Code), Chapter 14.2.3.3 as amended
<i>Reference documents</i>	Rules for Testing and Certification of Marine Materials and Equipment

Issued in **SHANGHAI** on **May 4, 2023.** This Certificate is valid until **May 3, 2028**




RINA Services S.p.A.
Qiang Sun

This certificate consists of this page and 1 enclosure



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PQ8.C

Product Description

The Portable Foam Applicator (Type: PQ8.C) is consisting of a foam nozzle/branch pipe, non self-inducing type.

Main Specifications:

- Working Pressure: 0.5 Mpa (Working Pressure Range: 0.3 Mpa ~ 0.8 Mpa)
- Ejection Distance: ≥ 22 m
- Flow Rate: $8 \pm 8\%$ L/S ($480 \pm 8\%$ L/min)
- Foam Liquid: 3% Type Foam Mixture, type approved in accordance with rules
- Material: SUS304
- Total Length: 730 mm

Only the Foam Nozzle/Branch Pipe is covered by this type approval certificate. Documentation for the foam and other relevant components are to be submitted and approved in each case.

Reference Documents

- Portable Foam Nozzle Technical Standard, approved by RINA with No.: SHFP-11270;
- Portable Foam Nozzle Component List, filed by RINA with No.: SHFP-11264;
- Instruction Manual of Portable Foam Nozzle/Branch Pipe, filed by RINA with No.: SHFP-11272;
- Technical Drawing, approved by RINA with No.: SHFP-11271.

Tests Carried Out

- Test Report (Ref No.: TBK20180131Lab20102E-1A), issued by Suzhou TBK Testing Technology Co., Ltd and filed by RINA with No.: SHFP-11273;
- Test Report (Ref No.: 20180228-2), filed by RINA with No.: SHFP-11274;
- Routine Test Report (Ref No.: 202304003), filed by RINA with No.: SHFP-23278.

Remarks

Foam concentrate have to be approved in accordance with relevant rules (Refer to the Guidelines for the performance and testing criteria and surveys of low-expansion foam concentrates for fixed fire- extinguishing systems).

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

The product is to be marked with name of manufacturer and type designation.

Note

This certificate annuls and replaces the Type Approval Certificate (Ref No.: FPE039418WS/002) dated 05/28/2018, and initial condition is kept.

SHANGHAI May 4, 2023

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