



Certificate No:
TAF00001JS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Foam Applicator

with type designation(s)
PQ8.C

Issued to

Dongtai City Jianghai Lifesaving & Fire-Fighting Equipment Co., Ltd.
Dongtai, China

is found to comply with

DNV GL offshore standards

DNV GL rules for classification – Ships

DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

Approved for use as a part of foam fire extinguishing equipment.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2021-05-26**

for **DNV**

This Certificate is valid until **2026-05-25**.

DNV local station: **Nantong**

Approval Engineer: **Frank Poetsch**

.....
Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

www.dnv.com

Page 1 of 2

Product description

The portable foam applicator of type PQ8.C is a foam nozzle/branch pipe of self-inducing type which is capable of being connected to the fire main by a fire hose. Together with two portable tanks each containing at least 20 litres approved foam concentrate, the foam applicator unit is capable of producing effective foam suitable for extinguishing an oil fire, at a nominal foam solution flow rate of 480 l/min ($\pm 10\%$) at the nominal pressure in the fire main.

The portable foam applicator has the following main specifications:

Portable foam applicator of type PQ8.C	
Foam solution flow rate	8 l/sec (480l/min, $\pm 10\%$)
Minimum discharge distance	≥ 20 m
Working pressure range	0.25 MPa (2.5 bar) – 0.5 MPa
Nominal foam expansion ratio	6.5 : 1
Admixture of foam liquid	3%
Material	Applicator: stainless steel Foam tank: stainless steel or PVC
Portable foam tanks filled with foam liquid	Two foam tanks each containing 20 ltr approved foam concentrate

The applicator is manufactured by Dongtai City Jianghai Lifesaving & Fire-fighting Equipment Co.

Application/Limitation

The portable foam applicator unit is approved for use in category A machinery spaces as per SOLAS II-2/10.5.1.2.1 & 10.5.2.2.1 and in ro-ro/vehicle spaces acc. to SOLAS II-2/20.6.2.2.2.

The foam concentrate shall be approved acc. to MSC.1/Circ.1312.

Type Approval documentation

Certification in accordance with Class Program DNVGL-CP-0338, September 2018.

PQ8.C Portable Foam Applicator – data sheet:

- work principle
- technical parameters
- notes
- maintenance – by Dongtai Jianghai Life-Saving & Firefighting Equipment Co. Ltd / Dongtai, Jiangsu Province

and

PQ8.C Field Test Report of Portable Foam Applicator, test date 2016-02-24, test basis IMO Resolution MSC.217(82) Amendments to the FSS Code.

Tests carried out

The portable foam applicator is tested acc. to FSS Code, 2015 Edition, Chapter 4, para 3.2, as amended by Res. MSC.217(82), and class programme no. 475.51 (DNVGL-CP-0213, March 2016).

PQ8.C Field Test Report of Portable Foam Applicator, test date 2016-03-24, witnessed by DNV surveyor.

Marking of product

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

Periodical assessment

The DNVGL surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with the procedure described in the Class Programme DNVGL-CP-0338, Section 4