

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Foam Applicator

with type designation(s)
PQ8-C

Issued to

Nantong Haizhou Marine Equipment Co.,Ltd.
Haimen, China

is found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships

Application :

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

This Certificate is valid until **2020-12-31**.

Issued at **Høvik** on **2016-01-25**

DNV GL local station: **Nantong**

Approval Engineer: **Ragnar Tonjer**

for **DNV GL**

Petter Langes
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.

Product description

"PQ8-C"

Portable foam applicator consisting of an aluminium barrel with ball valve, coupling and a foam tube coupling.

Total length : 1100 mm.

For further details see drawing mentioned under type approval documentation below

Application/Limitation

Specifications:

Working pressure: 2,5 – 5 Bar.

Throwing distance : Over 20 m.

Flow rate: Over 200 l/min.

Foam agent: 3% AFFF

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

Foam concentrate have to be approved in accordance with relevant rules.

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Test report dated 22 August 2011 from China Shipbuilding Industry Environment and Reliability Test Centre, Yangzhou, China.

Inspection report dated 26 August 2011 by manufacturer and witnessed by DNV Shanghai.

Inspection reports dated 13 October 2011 and 9 November 2011 by manufacturer and witnessed by DNV Nantong.

Drawing No. PQ8-C-00-00 from manufacturer.

Tests carried out

Tested in accordance with DNV GL Type Approval Programme 475.51 (MSC.217(82), Ch.4, Sec 3).

Marking of product

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

Periodical assessment

DNV GL's 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 procedure described in DNVGL-CP-0338 Section 4.