DNV·GL

Certificate No:
TAF00001A8

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Foam Applicator

with type designation(s)
SKUM MOBILE FOAM EQUIPMENT, MLR

Issued to
Macron Safety Systems (UK) Limited
Great Yarmouth, Norfolk, United Kingdom

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 GL.

Issued at **Høvik** on **2019-08-29**
This Certificate is valid until **2024-08-28**.
DNV GL local station: **Great Yarmouth**

Approval Engineer: **Tessa Biever**

for **DNV GL**

Mårten Schei-Nilsson
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.

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Product description

Skum Mobile Foam Equipment, MLR,
branch pipe MLR-40 A and MLR-40 SA composed of stainless steel pipe, nozzle and valve made of nickel plated brass.

MLR-40 SA has a built-in foam concentrate injector. MLR-40 A may be used together with foam concentrate inductors with type designation MI-25P/MI-25 F/MI-25/40 F/MI-40/or a proportioner with type designation PP/PPW/TP/TPW.

Traded as a product from Tyco Fire Protection Products.

Application/Limitation

Minimum capacities:

Nozzle A: 200 lpm at 5 bar
Nozzle B: 320 lpm at 3 bar

Max. foam concentrate induction for MLR-40 SA is 6%.

The inductors and proportioners in this type approval certificate are only approved for this system. Other applications are not covered by this type approval certificate.

Only the branch pipes, inductors and proportioner are covered by this type approval certificate. Documentation for the foam and other relevant components are to be submitted and approved in each case.

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

Type Approval documentation

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

Test protocol dated 31 October 2002 from DNV Gothenburg.
Statement dated 6 September 2006 from Svenska Skum AB.

Drawing No. 21279 rev.0 dated 23 February 2000 from Svenska Skum.
Drawing No. 32775 rev.1 dated 23 February 2000 from Svenska Skum.
Drawing No. 42662 rev.1 dated 30 December 1999 from Svenska Skum.
Drawing No. 41657 rev.1 dated 17 December 1999 from Svenska Skum.

Technical data sheet: MI-25P, MI-25 F, MI-25/40 F, MI-40, MLR-40A, MLR-40SA and PP, PPW, TP and TPW proportioners

Tests carried out

Tested in accordance with DNV GL Type Approval Programme 475.51 and IMO Res. 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 Class Program DNVGL-CP-0338, Section 4.