



Merchant Shipping Directorate



END OF LIFE OF MARIOFF HI-FOG 1000 AND HI-FOG 2000 SPRINKLER NOZZLES

Information Notice 60

Notice to Ship-owners, Ship Operators, Managers, Masters, Owners' Representatives and Recognized Organizations

This Directorate would like to draw the attention of all concerned to the announcement issued by Marioff Corporation Oy concerning the end of life of certain water mist sprinkler nozzle models used for the protection of ro-ro spaces, vehicle spaces and special category spaces, including the withdrawal of their EC type approval certification.

The affected models are identified as follows:

- HI-FOG 1000 (Type designation: 2N 1MD 6MC 10RE)
- HI-FOG 2000 (Type designation: C12-93C/0)

These nozzles were originally granted EC type approval under the Marine Equipment Directive by DNV AS, with the latest certificate issued as MEDB00000EC Rev.1 on 3 March 2021.

Operational experience has identified performance concerns with the above-mentioned nozzles when installed in systems using Temper S antifreeze, where corrosion may occur and affect nozzle operation at stand-by pressure.

The manufacturer has encouraged customers to prepare for the replacement of these nozzles with the newer HI-FOG 3000 model.

The Merchant Shipping Directorate notes that DNV AS, acting as the Notified Body, revoked the EC Type Approval Certificate MEDB00000EC Rev.1 on 22 September 2025. As a result, the HI-FOG 1000 and HI-FOG 2000 sprinkler nozzles are no longer covered by a valid EC type approval certificate.

Shipowners, managers and operators of vessels fitted with the above-mentioned sprinkler nozzles are advised to liaise with the manufacturer, Recognised Organisations and other service providers to identify suitable replacement.

Merchant Shipping Directorate

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