Certificate No: LR23390754UKMB
Issue Date: 03/11/2023
Expiry Date: 02/11/2028

Maritime & Coastguard Agency
Approved Body authorised by the MCA

UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd) did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, subject to any conditions in the schedule attached hereto.

Manufacturer	**Fireboy-Xintex UK Operations Ltd**
Address	Holton Road, Marine Safety Systems, Unit 10, Poole, DORSET, BH16 6LT, United Kingdom
Reference	MSN1874 Amendment 7
Regulation Item (No. & Item Designation)	UK/3.45 Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms
Product Type	FIXED GAS FIRE EXTINGUISHING SYSTEM
Product Description	Fixed Gas Fire Extinguishing System – Type: “Fireboy FES (NOVEC 1230 or equivalent FK-5-1-12 extinguishant) Total Flood Fire Suppression 25 bar System” using 180° Nozzles (15mm to 50mm) and 360° Nozzles (15mm to 50mm), for Machinery Spaces of Category A and Cargo Pump Rooms, equivalent to fire-extinguishing systems required by SOLAS 1974 as amended, Chapter II-2/10.5 and 10.9.
Trade Name	Fireboy FES (NOVEC 1230 or equivalent FK-5-1-12 extinguishant) Total Flood Fire Suppression 25 bar System
Specified Standard	IMO MSC/Circ.848 as amended by MSC.1/Circ.1267 and IMO MSC.1/Circ.1316

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

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Lloyd's Register Marine Limited (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

Bruce McDonald
Global Fire & Safety Manager
For and on behalf of Lloyd’s Register Marine Ltd. (8512)

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This certificate is issued under the authority of the MCA.This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "UK Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an Approved Body.

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