Certificate No: LR2675540MB
Issue Date: 27/02/2026
Expiry Date: 26/02/2031

Notified Body authorised by
BSH 0800-S23/4822:013

# EC Type Examination (Module B) Certificate

This is to certify that:
LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a “notified body” based on the notification of the Federal Maritime and Hydrographic Agency of Germany, 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 Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

| | |
|---|---|
| **Manufacturer** | **Integrated Fire Protection Pvt ltd** |
| **Address** | 60A Pandit Madan Mohan Malabya Sarani, Chakraberia Road North, Kolkata, 700020, India |
| **Reference** | Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533 |
| **Regulation Item (No. & Item Designation)** | MED/3.59 Expansion Foam For Fixed Fire Extinguishing Systems For Chemical Tankers<br>MED/3.58 Fixed Low Expansion Foam Fire Extinguishing Systems Components For Machinery Spaces And Tanker Deck Protection |
| **Product Type** | Foam Concentrate |
| **Product Description** | Fire Extinguishing Low -Expansion Type A (Multi-Purpose) Alcohol Resistant Film Forming Fluroprotein (AR-FFFP) Foam Concentrate- Types "IFP AR-FFFP 3/3C6" for use on hydrocarbon and polar solvent fires. |
| **Specified Standard** | IMO MSC.1/Circ.1312, IMO MSC.1/Circ.1312/Corr.1.<br>**Type approval requirements - MED/3.58**<br>SOLAS 74 Reg. II-2/10<br>**Carriage and performance requirements - MED/3.58**<br>SOLAS 74 Reg. II-2/10, MO Res. MSC.98(73) -(FSS Code) 6, IMO Res. MSC.98(73) -(FSS<br>Code) 14, IMO MSC/Circ.1239, IMO MSC.1/Circ.1276 Rev 1.<br>**Type approval requirements -MED/3.59**<br>SOLAS 74 Reg. II-2/1, I MO Res. MSC.4(48)-(IBC Code) 11.<br>**Carriage and performance requirements - MED/3.59** |

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Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

**Marta Walk**

Fire & Safety - Senior Specialist
For and on behalf of Lloyd’s Register Marine Deutschland GmbH (2923)

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IMO Res. MSC.4(48)-(IBC Code) (11 MED/3.59), IMO MSC/Circ.553.

| | |
|---|---|
| **Row of the Regulation Item** | Row 1 of 1 (MED/3.59) & 2 of 2 (MED/3.58) of |
| **Trade Name** | "IFP AR-FFFP 3/3C6" |

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.

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 notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The 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 ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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