

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00006V8
Revision no.:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Non-portable and transportable fire extinguishers**

with type designation(s)

MCO-10, MCO-10T, MCO-20, MFG-45, MFG-135, MFG-150, MFM-45, MFM-135, MPG-25, MPG-50, MPM-25, MPM-50

issued to

Eversafe Extinguisher Sdn. Bhd.
Subang Jaya, Malaysia

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/3.52 (Row 1 of 1)**

according to the following requirements:

**SOLAS 74 Reg. II-2/4, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7,
SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3**

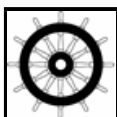
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-08-20**

Expiry date: **2030-08-19**

DNV local unit:
Kuala Lumpur Verification

Approval Engineer:
Meike Grabau



Notified Body
no.: **0098**



for **DNV SE**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified Body

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.



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Product description

Non-portable and transportable extinguishers with designation given in the appendix to this certificate.

Please see Appendix: Product Description

Application/Limitation

The extinguishers of types MFG-45, MFG-135, MFG-150, MFM-45 and MFM-135 are not to be used on live electrical equipment.

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

Type Examination documentation

Tests carried out

Tested according to EN 1866-1:2007, EN 1866-2:2014 and EN 1866-3:2013 as applicable.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity (see first page) and in accordance with EN 1866-1:2007, Ch. 6.9.

APPENDIX

Product Description

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Products designation:

Type	Fire rating	Temperature range [°C]	Extinguishing medium	Charge size	Assembly drawing No.
MCO-10	70B	-20 to +60	CO ₂	10 kg	71TWM-EEE-17-010A-E
MCO-10T	89B	-20 to +60	CO ₂	2*10 kg	71TWM-EEE-17-010T-E
MCO-20	89B	-20 to +60	CO ₂	20kg	71TWM-EEE-17-020A-E
MFG-45	III B	+5 to +60	6% AFFF (FF216)	45 L	71TWM-EEE-35-045A-E, Issue 01R1
MFG-135	IV B	+5 to +60	6% AFFF (FF216)	135 L	71TWM-EEE-35-135A-E, Issue 01R1
MFG-150	IV B	+5 to +60	6% AFFF (FF216)	150 L	71TWM-EEE-35-150A-E, Issue 01R1
MFM-45	III B	+5 to +60	6% AFFF (FF216)	45 L	71TWM-EEE-15-045A-E, Issue 01R1
MFM-135	IV B	+5 to +60	6% AFFF (FF216)	135 L	71TWM-EEE-15-135A-E, Issue 01R1
MFG-45	III B	+5 to +60	6% AFFF (FF216-C6)	45 L	71TWM-EEE-35-045A-E, Issue 01R1
MFG-135	IV B	+5 to +60	6% AFFF (FF216-C6)	135 L	71TWM-EEE-35-135A-E, Issue 01R1
MFG-150	IV B	+5 to +60	6% AFFF (FF216-C6)	150 L	71TWM-EEE-35-150A-E, Issue 01R1
MFM-45	III B	+5 to +60	6% AFFF (FF216-C6)	45 L	71TWM-EEE-15-045A-E, Issue 01R1
MFM-135	IV B	+5 to +60	6% AFFF (FF216-C6)	135 L	71TWM-EEE-15-135A-E, Issue 01R1
MPG-25	I B	-20 to +60	ABC powder	25 kg	71TWM-EEE-30-025A-E
MPG-50	II B	-20 to +60	ABC powder	50 kg	71TWM-EEE-30-050A-E
MPM-25	I B	-20 to +60	ABC powder	25 kg	71TWM-EEE-10-025A-E
MPM-50	II B	-20 to +60	ABC powder	50 kg	71TWM-EEE-10-050A-E

APPENDIX

Test results (as per the applicable IMO MEPC resolution)

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Type Examination documentation

Type	Manual	Test report		
		EN 1866-1:2007	EN 1866-2:2014	EN 1866-3:2013
MCO-10	OIS-SPT-MCO(MED)	285/7292084 Model MCO-10 Issue 2	N/A	2244/8487315-10 Model MCO-10 Issue 2
MCO-10T	OIS-SPT-MCO(MED)	285/7292084 Model MCO-10T Issue 2	N/A	2244/8487315-11 Model MCO-10T Issue 2
MCO-20	OIS-SPT-MCO(MED)	285/7292084 Model MCO-20 Issue 2	N/A	2244/8487315-12 Model MCO-20 Issue 2
MFG-45	OIS-COT-MFE(MED)	2244/7663017 1 of 10 Model MFG-45 285/7292084 Model MFG-45 Issue 2	2244/8487315-7 Model MFG-45 Issue 2	N/A
MFG-135	OIS-COT-MFE(MED)	2244/7663017 3 of 10 Model MFG-135 285-7292084 Model MFG-135 Issue 2	2244/8487315-8 Model MFG-135 Issue 2	N/A
MFG-150	OIS-COT-MFE(MED)	2244/7663017 5 of 10 Model MFG-150 285-7292084 Model MFG-150 Issue 2	2244/8487315-9 Model MFG-150 Issue 2	N/A
MFM-45	OIS-SPT-MFE(MED)	2244/7663017 2 of 10 Model MFM-45 285-7292084-MFM-45 issue 2	2244/8487315-3 Model MFM-45 Issue 2	N/A
MFM-135	OIS-SPT-MFE(MED)	2244/7663017 4 of 10 Model MFM-135 285-7292084-MFM-135 issue 2	2244/8487315-4 Model MFM-135 Issue 2	N/A
MFG-45	OIS-COT-MFE(MED)	2244/7663017 1 of 10 Model MFG-45 285/7292084 Model MFG-45 Issue 2 9732178 (1 of 2) Model: EE2S+ 9732178 (2 of 2) Model: EE6S+ Issue 2 9732226 (1 of 1) Model: MFM-45	2244/8487315-7 Model MFG-45 Issue 2	N/A
MFG-135	OIS-COT-MFE(MED)	2244/7663017 3 of 10 Model MFG-135 285-7292084 Model MFG-135 Issue 2 9732178 (1 of 2) Model: EE2S+ 9732178 (2 of 2) Model: EE6S+ Issue 2 9732226 (1 of 1) Model: MFM-45	2244/8487315-8 Model MFG-135 Issue 2	N/A
MFG-150	OIS-COT-MFE(MED)	2244/7663017 5 of 10 Model MFG-150 285-7292084 Model MFG-150 Issue 2 99732178 (1 of 2) Model: EE2S+ 9732178 (2 of 2) Model: EE6S+ Issue 2 9732226 (1 of 1) Model: MFM-45	2244/8487315-9 Model MFG-150 Issue 2	N/A
MFM-45	OIS-SPT-MFE(MED)	9732226 Model MFM-45	2244/8487315-3 Model MFM-45 Issue 2	N/A
MFM-135	OIS-SPT-MFE(MED)	2244/7663017 4 of 10 Model MFM-135 285-7292084-MFM-135 issue 2 9732178 (1 of 2) Model: EE2S+ 9732178 (2 of 2) Model: EE6S+ Issue 2 9732226 (1 of 1) Model: MFM-45	2244/8487315-4 Model MFM-135 Issue 2	N/A
MPG-25	OIS-COT-MFE(MED)	285/7292084 Model MPG-25 Issue 3	2244/8487315-5 Model MPG-25	N/A
MPG-50	OIS-COT-MFE(MED)	285/7292084 Model MPG-50 Issue 2	2244/8487315-6 Model MPG-50 Issue 2	N/A
MPM-25	OIS-SPT-MFE(MED)	285/7292084 Model MPM-25 Issue 2	2244/8487315-1 Model MPM-25	N/A
MPM-50	OIS-SPT-MFE(MED)	285/7292084 Model MPM-50 Issue 2	2244/8487315-2 Model MPM-50 Issue 2	N/A