

# Type Examination Certificate

This is to certify that:

Ningbo Kaixuan Fire Control Equipment Co.,Ltd  
NO.999 Zhonghe Road,  
Huangjiabu Town,  
Yuyao City  
Zhejiang  
China

Holds Certificate Number:

BSI/MED/3.38/756473

In respect of:

**MED/3.38**  
**Portable Fire-Extinguishing Equipment for Lifeboats and Rescue Boats**

**Product - ABC Dry Powder Fire Extinguisher See attached Schedule of Approval for list of Models.**

**Specified Standards - EN 3-7:2004 + A1:2007, EN 3-8:2006 incl. AC:2007, EN 3-10:2009.**

On the basis that BSI carried out the relevant EU type examination procedures for the equipment identified above which was found to be in compliance with the Marine Equipment Directive (MED) 2014/90/EU as amended, subject to any conditions in the schedule attached hereto. The attached schedule of approval forms part of this certificate.

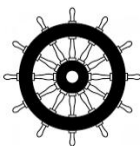
For and on behalf of BSI, a Notified Body for the above Directive (Notified Body Number 2797):

Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2021-11-01

Latest Issue: 2023-04-26

Expiry Date: 2024-10-09



# Type Examination Certificate

No. BSI/MED/3.38/756473

## Schedule of Approval

### Product Designation:

MODEL	DESCRIPTION
FT01-01-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B – brass valve, roll-welded cylinder
FT01-01A-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B – brass valve, deep drawn cylinder
FT01-01U-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - aluminum valve, roll-welded cylinder
FT01-01V-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - aluminum valve, deep drawn cylinder
FT01-01W-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - aluminum valve, deep drawn cylinder
FT01-01X-00	1 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B – brass valve, deep drawn cylinder
FT01-01(MOD3)-00	1 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - brass valve, roll-welded cylinder
FT01-01A (MOD3)-00	1 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - brass valve, deep drawn cylinder
FT01-01U(MOD3)-00	1 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - aluminium valve, roll-welded cylinder
FT01-01V(MOD3)-00	1 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 8A & 34B - aluminium valve, deep drawn cylinder
FT01-02-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - brass valve, roll-welded cylinder
FT01-02A-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B – brass valve, deep drawn cylinder
FT01-02U-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - aluminum valve, roll-welded cylinder

First Issued: 2021-11-01

Latest Issue: 2023-04-26

Expiry Date: 2024-10-09

Page: 2 of 12

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# Type Examination Certificate

No. BSI/MED/3.38/756473

## Schedule of Approval

### Product Designation (continued):

MODEL	DESCRIPTION
FT01-02V-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - aluminum valve, deep drawn cylinder
FT01-02W-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - aluminum valve, deep drawn cylinder
FT01-02X-00	2 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - brass valve, deep drawn cylinder
FT01-02(MOD3)-00	2kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - brass valve, roll-welded cylinder
FT01-02A(MOD3)-00	2 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - brass valve, deep drawn cylinder
FT01-02U(MOD3)-00	2 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - aluminium valve, roll-welded cylinder
FT01-02V(MOD3)-00	2 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 55B - aluminium valve, deep drawn cylinder
FT01-02(MOD4)-00	2 kg 50% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 89B - brass valve, roll-welded cylinder
FT01-02A(MOD4)-00	2 kg 50% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 89B - brass valve, deep drawn cylinder
FT01-02U(MOD4)-00	2 kg 50% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 89B - aluminium valve, roll-welded cylinder
FT01-02V(MOD4)-00	2 kg 50% ABC powder with stored pressure Fire Extinguisher, Fire rating 13A & 89B - aluminium valve, deep drawn cylinder

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Latest Issue: 2023-04-26

Expiry Date: 2024-10-09

Page: 3 of 12

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No. BSI/MED/3.38/756473

## Schedule of Approval

### Product Designation (continued):

MODEL	DESCRIPTION
FT01-03-00	3 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - brass valve, roll-welded cylinder
FT01-03A-00	3 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - brass valve, deep drawn cylinder
FT01-03U-00	3 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - aluminum valve, roll-welded cylinder
FT01-03V-00	3 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - aluminum valve, deep drawn cylinder
FT01-03(MOD3)-00	3 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - brass valve, roll-welded cylinder
FT01-03A(MOD3)-00	3 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - brass valve, deep drawn cylinder
FT01-03U(MOD3)-00	3 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - aluminium valve, roll-welded cylinder
FT01-03V(MOD3)-00	3 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 21A & 70B - aluminium valve, deep drawn cylinder

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Latest Issue: 2023-04-26

Expiry Date: 2024-10-09

Page: 4 of 12

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No. BSI/MED/3.38/756473

## Schedule of Approval

### Product Designation (continued):

MODEL	DESCRIPTION
FT01-04-00	4 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - brass valve, roll-welded cylinder
FT01-04A-00	4 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - brass valve, deep drawn cylinder
FT01-04U-00	4 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - aluminum valve, roll-welded cylinder
FT01-04V-00	4 kg 40% ABC Dry Powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - aluminium valve, deep drawn cylinder
FT01-04(MOD3)-00	4 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - brass valve, roll-welded cylinder
FT01-04A(MOD3)-00	4 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - brass valve, deep drawn cylinder
FT01-04U(MOD3)-00	4 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - aluminium valve, roll-welded cylinder
FT01-04V(MOD3)-00	4 kg 20% ABC powder with stored pressure Fire Extinguisher, Fire rating 27A & 113B - aluminium valve, deep drawn cylinder

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Expiry Date: 2024-10-09

Page: 5 of 12

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.

# Type Examination Certificate

No. BSI/MED/3.38/756473

## Schedule of Approval

### Approval Documentation that forms part of this certification:

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-01-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-009F-00B7	A/0	04/03/2019	Valve Drawing
FT01-01A-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01A-02-00E	A/0	04/03/2019	Cylinder Drawing
KX01-009F-00B7	A/0	04/03/2019	Valve Drawing
FT01-01U-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-009I-00/CE4A	A/0	04/03/2019	Valve Drawing
FT01-01V-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01A-02-00E	A/0	04/03/2019	Cylinder Drawing
KX01-009I-00/CE4A	A/0	04/03/2019	Valve Drawing
FT01-01W-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01X-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-009I-00/CE4A	A/0	04/03/2019	Valve Drawing
FT01-01X-00	A/0	04/03/2019	1kg Fire Extinguisher General Assembly Drawing
FT01-01X-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-009F-00B7	A/0	04/03/2019	Valve Drawing
FT-01-01(MOD3)-00	A/0	10/05/2022	1kg Fire Extinguisher General Assembly Drawing
FT01-01A-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-09F-00B7	A/0	04/03/2019	Valve Drawing
FT01-01A(MOD3)-00	A/0	10/05/2022	1kg Fire Extinguisher General Assembly Drawing
FT01-01A-02E	A/0	04/03/2019	Cylinder Drawing
KX01-009F-00B7	A/0	04/03/2019	Valve Drawing

First Issued: 2021-11-01

Latest Issue: 2023-04-26

Expiry Date: 2024-10-09

Page: 6 of 12

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# Type Examination Certificate

No. BSI/MED/3.38/756473

## Schedule of Approval

### Approval Documentation that forms part of this certification (continued):

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-01U(MOD3)-00	A/0	10/05/2022	1kg Fire Extinguisher General Assembly Drawing
FT01-01-02-00	A/0	04/03/2019	Cylinder Drawing
KX01-009I-00/CE4A	A/0	04/03/2012	Valve Drawing
FT01-01V(MOD3)-00	A/0	10/05/2022	1kg Fire Extinguisher General Assembly Drawing
FT01-01A-02-00E	A/0	04/03/2019	Cylinder Drawing
KX01-009I-00/CE4A	A/0	04/03/2019	Valve Drawing
FT01-02-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02A-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02A-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02U-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02V-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02A-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02W-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02X-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02X-00	A/0	05/03/2019	2kg Fire Extinguisher General Assembly Drawing
FT01-02X-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing

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Latest Issue: 2023-04-26

Expiry Date: 2024-10-09

Page: 7 of 12

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## Schedule of Approval

### Approval Documentation that forms part of this certification (continued):

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-02(MOD3)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02A(MOD3)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02U(MOD3)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02V(MOD3)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-2A-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-09I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02(MOD4)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02A(MOD4)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02A-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-009F-00B5	A/0	05/03/2019	Valve Drawing
FT01-02U(MOD4)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing
FT01-02V(MOD4)-00	A/0	10/05/2022	2kg Fire Extinguisher General Assembly Drawing
FT01-02A-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-009I-00/CE	A/0	05/03/2019	Valve Drawing

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Page: 8 of 12

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# Type Examination Certificate

No. BSI/MED/3.38/756473

## Schedule of Approval

### Approval Documentation that forms part of this certification (continued):

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-03-00	A/0	05/03/2019	3kg Fire Extinguisher General Assembly Drawing
FT01-03-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-010M-00/CE5	A/0	05/03/2019	Valve Drawing
FT01-03A-00	A/0	05/03/2019	3kg Fire Extinguisher General Assembly Drawing
FT01-03A-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-010M-00/CE5	A/0	05/03/2019	Valve Drawing
FT01-03U-00	A/0	05/03/2019	3kg Fire Extinguisher General Assembly Drawing
FT01-03-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-010S-00/CE	A/0	05/03/2019	Valve Drawing
FT01-03V-00	A/0	05/03/2019	3kg Fire Extinguisher General Assembly Drawing
FT01-03A-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-010S-00/CE	A/0	05/03/2019	Valve Drawing
FT01-03(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-010M-00/CE5	A/0	05/03/2019	Valve Drawing
FT01-03A(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03A-02-00A	A/0	05/03/2019	Cylinder Drawing
KX01-010M-00/CE5	A/0	05/03/2019	Valve Drawing
FT01-03U(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-010S-00/CE	A/0	05/03/2019	Valve Drawing
FT01-03V(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03A-02-00A	A/0	0/03/2019	Cylinder Drawing
KX01-10S-00/CE	A/0	05/03/2019	Valve Drawing

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Page: 9 of 12

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No. BSI/MED/3.38/756473

## Schedule of Approval

### Approval Documentation that forms part of this certification (continued):

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-03U(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03-02-00	A/0	05/03/2019	Cylinder Drawing
KX01-010S-00/CE	A/0	05/03/2019	Valve Drawing
FT01-03V(MOD3)-00	A/0	10/05/2022	3kg Fire Extinguisher General Assembly Drawing
FT01-03A-02-00A	A/0	0/03/2019	Cylinder Drawing
KX01-10S-00/CE	A/0	05/03/2019	Valve Drawing
FT01-04-00	A/0	05/03/2019	4kg Fire Extinguisher General Assembly Drawing
FT01-04-02-00A	A/0	05/03/2019	Cylinder Drawing
KX02-019Q-00A13	A/0	05/03/2019	Valve Drawing
FT01-04U-00	A/0	05/03/2019	4kg Fire Extinguisher General Assembly Drawing
FT01-04-02-00A	A/0	05/03/2019	Cylinder Drawing
KX02-019V-00/CE	A/1	01/07/2022	Valve Drawing
FT01-04A-00	A/0	05/03/2019	4kg Fire Extinguisher General Assembly Drawing
FT01-04A-122-00	A/0	05/03/2019	Cylinder Drawing
KX02-019Q-00A13	A/0	05/03/2019	Valve Drawing
FT01-04V-00	A/0	05/03/2019	4kg Fire Extinguisher General Assembly Drawing
FT01-04A-122-00	A/0	05/03/2019	Cylinder Drawing
KX02-019V-00/CE	A/1	01/07/2022	Valve Drawing

First Issued: 2021-11-01

Latest Issue: 2023-04-26

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Page: 10 of 12

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No. BSI/MED/3.38/756473

## Schedule of Approval

### Approval Documentation that forms part of this certification (continued):

DRAWING NO	REV/ISSUE	DATE	DESCRIPTION
FT01-04(MOD3)-00	A/0	10/05/2022	4kg Fire Extinguisher General Assembly Drawing
FT01-04-02-00A	A/0	05/03/2019	Cylinder Drawing
KX02-019Q-00A13	A/0	05/03/2019	Valve Drawing
FT01-04A(MOD3)-00	A/0	10/05/2022	4kg Fire Extinguisher General Assembly Drawing
FT01-04A-122-00	A/0	05/03/2019	Cylinder Drawing
KX02-019Q-00A13	A/0	05/03/2019	Valve Drawing
FT01-04U(MOD3)-00	A/0	10/05/2022	4kg Fire Extinguisher General Assembly Drawing
FT01-04-02-00A	A/0	05/03/2019	Cylinder Drawing
KX02-019V-00/CE	A/1	01/07/2022	Valve Drawing
FT01-04V(MOD3)-00	A/0	10/05/2022	4kg Fire Extinguisher General Assembly Drawing
FT01-04A-122-00	A/0	05/03/2019	Cylinder Drawing
KX02-019V-00/CE	A/1	01/07/2022	Valve Drawing

### SUPPORTING DOCUMENTATION

Technical File	Q/FT31035-2019 Rev A/3, BSI Ref - 3060777, 3290500, 3508727, 3508759, 3875122
Test Report	BSI Test Reports 2244/7945255, 2244/8248351, 2244/8505046, 2244/8237984, 3412764.

The Products were previously MED approved under Module B certificate number BSI/MED/3.38/709306 from 10/10/2019 to 31/12/2020

First Issued: 2021-11-01

Latest Issue: 2023-04-26

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Page: 11 of 12

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## Schedule of Approval

### Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
October 2021	First Issue	2797:21:3508780
November 2021	Correction to Notified Body Number & Signatory	2797:21:0000000
April 2023	Re-issue to include additional models.	2797:23:3875123

### Conditions of Certification

- i) This certificate remains valid unless cancelled or revoked, provided the conditions listed below are complied with and the equipment remains satisfactory in service.
- ii) The equipment detailed on page 1 on this certificate is to be manufactured in accordance with Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive.
- iii) SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3, SOLAS 74 Reg. III/34, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) IV, IMO Res.MSC.48(66)-(LSA Code) V, IMO Res.MSC.97(73)-(2000 HSC Code) 8 requirements, as applicable.
- iv) The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the Notified Body named on this certificate.
- v) Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.
- vi) Production tests are to be conducted in accordance with the applicable requirements of the IMO Resolutions and applicable standards and be recorded by the manufacturer in accordance with the approved Conformity to Type Based on Quality Assurance of the Production Process (Module D) of the Marine Equipment Directive.
- vii) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- viii) Detailed User instructions are to be provided with each product.

First Issued: 2021-11-01

Latest Issue: 2023-04-26

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Page: 12 of 12

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).