

Type Examination Certificate

This is to certify that:

FirePro Systems Ltd
8 Faleas Str.
Agios Athanasios Industrial Area
Limassol
CY-4101
Cyprus

Holds Certificate Number:

BSI/UK/3.46b/837436

In respect of:

UK/3.46b - Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems) for use in small domestic vessel (under 24m) machinery spaces.

Product Description - Aerosol Fire Extinguishing Units with dry condensed extinguishing agent, Fire Class A & B Models - FP(FBN)-12SE, FP(FBN)-20T/SE, FP(FBN)-40S/40T/SE/SD, FP(FBN)-80S/80T/SE/SD, FP(FBN)-100S/T/SE/SD/EX, FP(FBN)-200S/T/SE/SD/EX, FP(FBN)-500S/T/SE/SD/EX, FP(FBN)-1200/S/T/TS/EX, FP(FBN)-2000/S/T/TS/EX, FP(FBN)-3000/S/T/TS/EX, FP(FBN)-4200/S/T/TS/EX, FP(FBN)-5700/S/T/TS/EX.

Specified standard: MGN 657 appendix 1, as amended

On the basis of our examination under the requirements of the Merchant Shipping (Marine Equipment) Regulations (SI 2025/1280) as amended for Conformity Assessment Procedure Module B - Type Examination.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2026-07-23

Latest Issue: 2026-07-23

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Expiry Date: 2031-07-22



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Product Specification

The products listed below are to be installed with an actuation system/panel where manual activation is achieved as defined in MGN 657 and as per the relevant FirePro User/Installation manual. The actuation system/panel is excluded from this certification.

FP-12SE / FBN-12SE	Aerosol generating fire extinguishing system unit with 12g dry condensed extinguishing agent, Fire Class A & B
FP-20SE / FBN-20SE / FP-20T / FBN-20T	Aerosol generating fire extinguishing system unit with 20g dry condensed extinguishing agent, Fire Class A & B
FP-40S / FBN-40S / FP-40T / FBN-40T / FP-40SE / FBN-40SE / FP-40SD / FBN-40SD	Aerosol generating fire extinguishing system unit with 40g dry condensed extinguishing agent, Fire Class A & B
FP-80S / FBN-80S / FP-80T / FBN-80T / FP-80SE / FBN-80SE / FP-80SD / FBN-80SD	Aerosol generating fire extinguishing system unit with 80g dry condensed extinguishing agent, Fire Class A & B
FP-100S / FBN-100S / FP-100T / FBN-100T / FP-100SE / FBN-100SE / FP-100SD / FBN-100SD / FP-100EX / FBN-100EX	Aerosol generating fire extinguishing system unit with 100g dry condensed extinguishing agent, Fire Class A & B
FP-200S / FBN-200S / FP-200T / FBN-200T / FP-200SE / FBN-200SE / FP-200SD / FBN-200SD / FP-200EX / FBN-200EX	Aerosol generating fire extinguishing system unit with 200g dry condensed extinguishing agent, Fire Class A & B
FP-500S / FBN-500S / FP-500T / FBN-500T / FP-500SE / FBN-500SE / FP-500SD / FBN-500SD / FP-500EX / FBN-500EX	Aerosol generating fire extinguishing system unit with 500g dry condensed extinguishing agent, Fire Class A & B
FP-1200 / FBN-1200 / FP-1200S / FBN-1200S / FP-1200T / FBN-1200T / FP-1200TS / FBN-1200TS / FP-1200EX / FBN-1200EX	Aerosol generating fire extinguishing system unit with 1200g dry condensed extinguishing agent, Fire Class A & B
FP-2000 / FP-2000S / FP-2000T / FP-2000TS / FBN-2000 / FBN-2000S / FBN-2000T / FBN-2000TS / FP-2000EX / FBN-2000EX	Aerosol generating fire extinguishing system unit with 2000g dry condensed extinguishing agent, Fire Class A & B
FP-3000 / FP-3000S / FP-3000T / FP-3000TS / FBN-3000 / FBN-3000S / FBN-3000T / FBN-3000TS / FP-3000EX / FBN-3000EX	Aerosol generating fire extinguishing system unit with 3000g dry condensed extinguishing agent, Fire Class A & B
FP-4200 / FP-4200S / FP-4200T / FP-4200TS / FBN-4200 / FBN-4200S / FBN-4200T / FBN-4200TS / FP-4200EX / FBN-4200EX	Aerosol generating fire extinguishing system unit with 4200g dry condensed extinguishing agent, Fire Class A & B
FP-5700 / FP-5700S / FP-5700T / FP-5700TS / FBN-5700 / FBN-5700S / FBN-5700T / FBN-5700TS / FP-5700EX / FBN-5700EX	Aerosol generating fire extinguishing system unit with 5700g dry condensed extinguishing agent, Fire Class A & B

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Latest Issue: 2026-07-23

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Schedule of Approval

Approval Documentation that forms part of this certification:

Drawing No.	Rev/Issue	Date	Title & Model
C12SEAS	1	25/09/2024	FP-12SE / FBN-12SE General Assembly Drawing
C20SEAS	1	25/09/2024	FP-20SE / FBN-20SE General Assembly Drawing
C20TASS	1	10/10/2024	FP-20T / FBN-20T General Assembly Drawing
C40ASS	1	27/05/2014	FP-40S / FBN-40S General Assembly Drawing
C40TASS	1	10/10/2024	FP-40T / FBN-40T General Assembly Drawing
C40SEAS	2	23/03/2025	FP-40SE / FBN-40SE General Assembly Drawing
C40SDAS	1	25/09/2024	FP-40SD / FBN-40SD General Assembly Drawing
C80ASS	1	27/05/2014	FP-80S / FBN-80S General Assembly Drawing
C80TASS	1	10/10/2024	FP-80T / FBN-80T General Assembly Drawing
C80SEAS	2	13/03/2025	FP-80SE / FBN-80SE General Assembly Drawing
C80SDAS	1	25/09/2024	FP-80SD / FBN-80SD General Assembly Drawing
C1AS	4	27/05/2014	FP-100S / FBN-100S General Assembly Drawing
C1TAS	5	27/06/2023	FP-100T / FBN-100T General Assembly Drawing
C100SEAS	3	13/03/2025	FP-100SE / FBN-100SE General Assembly Drawing
C100SDAS	3	13/03/2025	FP-100SD / FBN-100SD General Assembly Drawing
C2AS	4	27/05/2014	FP-200S / FBN-200S General Assembly Drawing
C2TAS	5	27/06/2023	FP-200T / FBN-200T General Assembly Drawing
C200SEAS	3	13/03/2025	FP-200SE / FBN-200SE General Assembly Drawing
C200SDAS	3	13/03/2025	FP-200SD / FBN-200SD General Assembly Drawing
C5AS	4	27/05/2014	FP-500S / FBN-500S General Assembly Drawing
C5TAS	5	27/06/2023	FP-500T / FBN-500T General Assembly Drawing
C500SEAS	3	13/03/2025	FP-500SE / FBN-500SE General Assembly Drawing

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

Drawing No.	Rev/Issue	Date	Title & Model
C500SDAS	3	13/03/2025	FP-500SD / FBN-500SD General Assembly Drawing
B12AS	4	21/07/2025	FP-1200 / FBN-1200 / FP-1200S / FBN-1200S General Assembly Drawing
B12TAS	4	21/07/2025	FP-1200T / FBN-1200T / FP-1200TS / FBN-1200TS General Assembly Drawing
B20AS	4	21/07/2025	FP-2000 / FBN-2000 / FP-2000S / FBN-2000S General Assembly Drawing
B20TAS	4	21/07/2025	FP-2000T / FBN-2000T / FP-2000TS / FBN-2000TS General Assembly Drawing
B30AS	4	21/07/2025	FP-3000 / FBN-3000 / FP-3000S / FBN-3000S General Assembly Drawing
B30TAS	4	21/07/2025	FP-3000T / FBN-3000T / FP-3000TS / FBN-3000TS General Assembly Drawing
B42AS	3	21/07/2025	FP-4200 / FBN-4200 / FP-4200S / FBN-4200S General Assembly Drawing
B42TAS	3	21/07/2025	FP-4000T / FBN-4000T / FP-4000TS / FBN-4000TS General Assembly Drawing
B57AS	4	21/07/2025	FP-5700 / FBN-5700 / FP-5700S / FBN-5700S General Assembly Drawing
B57TAS	4	21/07/2025	FP-5700T / FBN-5700T / FP-5700TS / FBN-5700TS General Assembly Drawing
FP1EX	0	23/08/2018	FP-100EX / FBN-100EX General Assembly Drawing
FP2EX	0	23/08/2018	FP-200EX / FBN-200EX General Assembly Drawing
FP5EX	0	23/08/2018	FP-500EX / FBN-500EX General Assembly Drawing
FP1200EX	0	23/08/2018	FP-1200EX / FBN-1200EX General Assembly Drawing
FP2030EX	0	23/08/2018	FP-2000EX / FBN-2000EX / FP-3000EX / FBN-3000EX General Assembly Drawing
FP4257EX	0	23/08/2018	FP-4200EX / FBN-4200EX / FP-5700EX / FBN-5700EX General Assembly Drawing

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

Supporting Documentation	
Technical Manual	Design, Installation, Operation & Maintenance Manual - DIOM-3005 Version 3 dated May 2026 – BSI Reference: 3874786.
Test Reports	30570648 1 of 2 (BSI)

The models were assessed against the requirements of the Merchant Shipping (Marine Equipment) Regulation SI 2025/1280 as amended & MSN 1874 (M+F) Amendment 11 (UK/3.46b Row 1 of 1).

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Design Calculation:

Agent

The quantity (mass) of aerosol agent to be used should be determined as follows:

$$W = \frac{V \times q}{f}$$

where

W = Agent mass (g) (Total mass required to protect the specific volume)

V = Volume of enclosure (m³) (Protected volume)

q = Design application density (g/m³) (net mass of agent per unit volume (g/m³) required by the system designer for the fire protection application)

f = Efficiency coefficient of generator's model (%) (net mass of agent delivered by a generator model (size))

q = 88.4 g/m³

Efficiency coefficients (related to each generator model (size)):

FP(FBN)-12SE = 60%

FP(FBN)-20T/SE = 70%

FP(FBN)-40S = 61%

FP(FBN)-40T/SE/SD = 62%

FP(FBN)-80S = 59%

FP(FBN)-80T/SE/SD = 60%

FP(FBN)-100S/T/SE/SD/EX = 61%

FP(FBN)-200S/T/SE/SD/EX = 59%

FP(FBN)-500S/T/SE/SD/EX = 66%

FP(FBN)-1200/S/T/TS/EX = 63%

FP(FBN)-2000/S/T/TS/EX = 60%

FP(FBN)-3000/S/T/TS/EX = 61%

FP(FBN)-4200/S/T/TS/EX = 60%

FP(FBN)-5700/S/T/TS/EX = 59%

The total number of generators (N) to be used is derived by the following formula

$$N = \frac{W \text{ (total agent mass)}}{\text{nominal mass (initial mass of the solid compound) of each generator model (size)}}$$

Example: FP2000 = 2000 grams of nominal mass

FP5700 = 5700 grams of nominal mass

Note: If different generator models (size) should be selected, the total mass of extinguishant (solid compound) shall not be less than the quantity required (W).

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Technical Specification

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-12SE / FBN-12SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
283 g (±5%)
12 g
2 - 4 seconds
1
0.55 m
122 mm x 32 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-20SE / FBN-20SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
403 g (±5%)
20 g
3 - 6 seconds
1
1 m
184 mm x 32 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-20T / FBN-20T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
310 g (±5%)
20 g
3 - 6 seconds
1
1 m
167 mm x 32 mm (incl. connector housing)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-40S / FBN-40S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 - 3.6 ohm resistance
maximum 5 mA
610 g ($\pm 5\%$)
40 g
4 - 8 seconds
2
1 m
140 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-40T / FBN-40T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 - 3.6 ohm resistance
maximum 5 mA
585 g ($\pm 5\%$)
40 g
4 - 8 seconds
1
1 m
139 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-40SE / FBN-40SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 - 3.6 ohm resistance
maximum 5 mA
645 g ($\pm 5\%$)
40 g
4 - 8 seconds
1
1 m
151 mm x 51 mm (incl. connector housing)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-40SD / FBN-40SD

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
630 g (±5%)
40 g
4 - 8 seconds
1
1 m
157 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-80S / FBN-80S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
870 g (±5%)
80 g
4 - 8 seconds
2
2 m
185 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-80T / FBN-80T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
830 g (±5%)
80 g
4 - 8 seconds
1
2 m
184 mm x 51 mm (incl. connector housing)
300 C

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Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-80SE / FBN-80SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
888 g (±5%)
80 g
4 - 8 seconds
1
2 m
197 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlets
Discharge length
Size
Self activation temperature

FP-80SD / FBN-80SD

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
862 g (±5%)
80 g
4 - 8 seconds
1
2 m
204 mm x 51 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-100S / FBN-100S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Heating element with 1.6 – 3.6 ohm resistance
Maximum 5 mA
1370 g (±5%)
100 g
5 - 10 seconds
1
1 m
154 mm x 84 mm (incl. connector housing)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-100T / FBN-100T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Heating element with 1.6 – 3.6 ohm resistance
Maximum 5 mA
1558 g ($\pm 5\%$)
100 g
5 - 10 seconds
1
1 m
158 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-100SE / FBN-100SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Heating element with 1.6 – 3.6 ohm resistance
Maximum 5 mA
1320 g ($\pm 5\%$)
100 g
5 - 10 seconds
1
1 m
156 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-100SD / FBN-100SD

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Heating element with 1.6 – 3.6 ohm resistance
Maximum 5 mA
1370 g ($\pm 5\%$)
100 g
5 - 10 seconds
1
1 m
163 mm x 84 mm (incl. connector housing)
300 C

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Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-200S / FBN-200S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
1840 g ($\pm 5\%$)
200 g
5 - 10 seconds
1
2 m
184 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-200T / FBN-200T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
2024 g ($\pm 5\%$)
200 g
5 - 10 seconds
1
2 m
188 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-200SE / FBN-200SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
1805 g ($\pm 5\%$)
200 g
5 - 10 seconds
1
2 m
186 mm x 84 mm (incl. connector housing)
300 C

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No. BSI/UK/3.46b/837436

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-200SD / FBN-200SD

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
1850 g ($\pm 5\%$)
200 g
5 - 10 seconds
1
2 m
193 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-500S / FBN-500S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
3340 g ($\pm 5\%$)
500 g
5 - 10 seconds
1
3 m
294 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-500T / FBN-500T

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
3555 g ($\pm 5\%$)
500 g
5 - 10 seconds
1
3 m
298 mm x 84 mm (incl. connector housing)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-500SE / FBN-500SE

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
3270 g ($\pm 5\%$) (excl. bracket)
500 g
5 - 10 seconds
1
3 m
296 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-500SD / FBN-500SD

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
3335 g ($\pm 5\%$) (excl. bracket)
500 g
5 - 10 seconds
1
3 m
303 mm x 84 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-1200 / FP-1200S / FBN-1200 / FBN-1200S

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
10900 g ($\pm 5\%$) (excl. bracket)
1200 g
15 -20 seconds
1
3.5 m
219 mm x 342 mm x 174 mm (excl. bracket)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-1200T / FP-1200TS / FBN-1200T / FBN-1200TS

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
10900 g ($\pm 5\%$) (excl. bracket)
1200 g
15 -20 seconds
1
3.5 m
342 mm x 174 mm x 219 mm (excl. bracket)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-2000 / FP-2000S / FP-2000T / FP-2000TS / FBN-2000 / FBN-2000S / FBN-2000T / FBN-2000TS

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
15500 g ($\pm 5\%$) (excl. bracket)
2000 g
15 - 20 seconds
1
3.5 m
342 mm x 304 mm x 184 mm (excl. bracket)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-3000 / FP-3000S / FP-3000T / FP-3000TS / FBN-3000 / FBN-3000S / FBN-3000T / FBN-3000TS

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
16300 g ($\pm 5\%$) (excl. bracket)
3000 g
15 - 20 seconds
1
5 m
342 mm x 304 mm x 184 mm (excl. bracket)
300 C

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Technical Specification

Model	FP-4200 / FP-4200S / FP-4200T / FP-4200TS / FBN-4200 / FBN-4200S / FBN-4200T / FBN-4200TS
Type	Cold
Activation mechanism	electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Activator type	heating element 1.6 – 3.6 ohm resistance
Current intensity to be tested	maximum 5 mA
Weight gross	23600 g ($\pm 5\%$) (excl. bracket)
Weight net extinguishing agent	4200 g
Operational discharge time	15 - 20 seconds
Discharge outlet	1
Discharge length	6.2 m
Size	342 mm x 292 mm x 304 mm (excl. bracket)
Self activation temperature	300 C

Model	FP-5700 / FP-5700S / FP-5700T / FP-5700TS / FBN-5700 / FBN-5700S / FBN-5700T / FBN-5700TS
Type	Cold
Activation mechanism	electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Activator type	heating element 1.6 – 3.6 ohm resistance
Current intensity to be tested	maximum 5 mA
Weight gross	26400 g ($\pm 5\%$) (excl. bracket)
Weight net extinguishing agent	5700 g
Operational discharge time	15 - 20 seconds
Discharge outlet	1
Discharge length	8 m
Size	342 mm x 292 mm x 304 mm (excl. bracket)
Self activation temperature	300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-100EX / FBN-100EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
Heating element with 1.6 – 3.6 ohm resistance
Maximum 5 mA
2760 g ($\pm 5\%$)
100 g
5 - 10 seconds
1
1 m
164 mm x 94 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-200EX / FBN-200EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
3245 g ($\pm 5\%$)
200 g
5 - 10 seconds
1
2 m
194 mm x 94 mm (incl. connector housing)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-500EX / FBN-500EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element with 1.6 – 3.6 ohm resistance
maximum 5 mA
4700 g ($\pm 5\%$)
500 g
5 - 10 seconds
1
3 m
304 mm x 94 mm (incl. connector housing)
300 C

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Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-1200EX / FBN-1200EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
18600 g ($\pm 5\%$) (excl. bracket)
1200 g
15 -20 seconds
1
3.5 m
385 mm x 365 mm x 187 mm (excl. bracket)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-2000EX / FBN-2000EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
22800 g ($\pm 5\%$) (excl. bracket)
2000 g
15 - 20 seconds
1
3.5 m
385 mm x 365 mm x 187 mm (excl. bracket)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-3000EX / FBN-3000EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
23800 g ($\pm 5\%$) (excl. bracket)
3000 g
15 - 20 seconds
1
5 m
385 mm x 365 mm x 187 mm (excl. bracket)
300 C

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Technical Specification

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-4200EX / FBN-4200EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
32000 g (±5%) (excl. bracket)
4200 g
15 - 20 seconds
1
6.2 m
385 mm x 365 mm x 297 mm (excl. bracket)
300 C

Model

Type
Activation mechanism
Activator type
Current intensity to be tested
Weight gross
Weight net extinguishing agent
Operational discharge time
Discharge outlet
Discharge length
Size
Self activation temperature

FP-5700EX / FBN-5700EX

Cold
electrical (min 1.5 VDC, min 0.8 A in 3 - 4 sec)
heating element 1.6 – 3.6 ohm resistance
maximum 5 mA
34900 g (±5%) (excl. bracket)
5700 g
15 - 20 seconds
1
8 m
385 mm x 365 mm x 297 mm (excl. bracket)
300 C

See Product Specification note on Page 2

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Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
July 2026	First Issue	0086:26:30570645

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 Merchant Shipping (Marine Equipment) Regulation SI 2025/1280.
- iii) MGN 657 & MGN 657 appendix 1 as amended requirements.
- iv) If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
- v) 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 & the Merchant Shipping (Marine Equipment) Regulation SI 2025/1280.
- vi) Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity".
- vii) Detailed User instructions are to be provided with each product.

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