

	Check for closing pressure relief vents where applicable. Inspect for damage, corrosion, accessibility and test correct operation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Check the post fire ventilation facilities are functional.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Check that the expiry date of all generators will not occur within the next 12 months and report to the owner.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Check the generator's electric activation circuit. Follow steps 1-8 of Section 9.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	Check that all system controls are returned to normal and system is "on line"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17	Reconnect Pyrogen generators. – Firepro	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	Record all inspections and necessary rectification's	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	Inform owner	<input type="checkbox"/>	<input checked="" type="checkbox"/>

TYPE & SERIAL NO. OF PYROGEN GENERATORS	MASS OF AEROSOL-FORMING COMPOSITION IN ONE GENERATOR	NUMBER OF GENERATORS	DATE OF GENERATOR
151668	FP5700	1	25.04.2016
131454	FP2000	1	25.05.2014

v Act 2012, Schedule 1



Australian Government
Australian Maritime Safety Authority

DMS: 245/0

1

Certificate Number: 900047680

Ship: MCEWEN

Unique Identifier: 41900Q

Boat Mark:

HIN / Serial No:

Service Category: 2C

Hull Material: STEEL

Ship Type: WORK BOAT

Depth	Gross Tonnage	Loadline Due Date
4.10 m	-	

Engine Details

LLAR C12 366 KW

Certificate of Survey

Safety (Domestic Commercial Vessel) National Law Act

Certificate Holder:

BM ALLIANCE COAL OPERATIONS PTY LIMITED
LVL 23, 71 EAGLE STREET
BRISBANE QUEENSLAND 4000

Measured Length	Breadth	
15.52 m	5.00 m	

Main Eng

CATERPILLAR

Model : FP2000

Serial Number : 131454

Mass of Aerosol forming

compound in gr : 2000gr

Date of manufacture : 20/05/2014

Replacement Date : 20/05/2024

System Unit

inspected and tested in accordance with the
Extinguishing Systems, NFPA 2010 and
and Use Manual No.EX6960, vers.1,

tested within limitations contained in the
Operation and Maintenance Instruction

INSPECTION AND MAINTENANCE
 The extinguishing system unit shall be inspected monthly, or at more frequent intervals, when circumstances require, by trained personnel. During inspection check the following components: electric wiring, electric contacts, fixing bolts and generator's casing.

WARNING

Discharge of agent can result in a potential hazard to personnel from natural form of agent. Avoid unnecessary exposure. Do not cover, remove or deface this label.
 Contents in solid form: Potassium Nitrate, Potassium Carbonate, Magnesium, Epoxy Resin Polymer.
 H.M.I.S.: SBK Solid Compound 0-0-0

AFTER USING
 Dispose the aerosol generator properly after use.

EN 2
 Class of fire



FirePro®
 Aerosol Generating
 Fire Extinguishing System Unit

Model:	FP2000
Serial Number:	131454
Mass of Aerosol forming compound in gr:	2000gr
Date of manufacture:	20/05/2014
Replacement Date:	20/05/2024

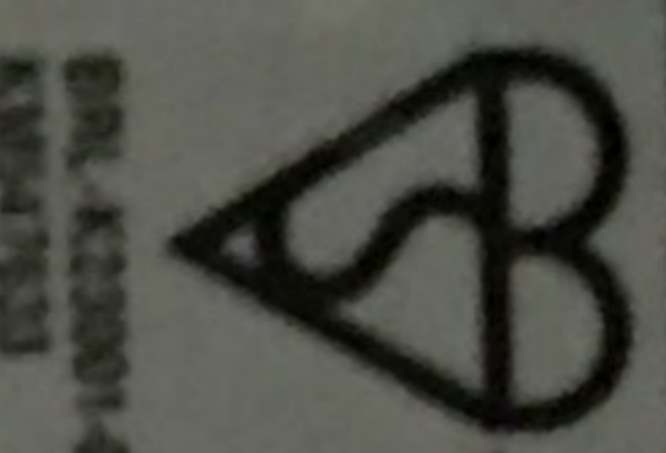
-To be installed inspected, maintained and tested in accordance with the Standard for Fixed Aerosol Fire Extinguishing Systems, NFPA 2010 and in accordance with the Installation and Use Manual No. EX6960, vers. 1, rev. 2, June 2011.

-This system is made up of units tested within limitations contained in the detailed Design, Installation, Operation and Maintenance Instruction Manual.
 The designer must be consulted whenever changes are planned for the system or area protection.
 An authorised installer or designer must be consulted after discharge.
 -Operating temperatures from -65°F(-54°C) to +130°F(+54°C).

NFPA 10
 Class of fire



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 10271

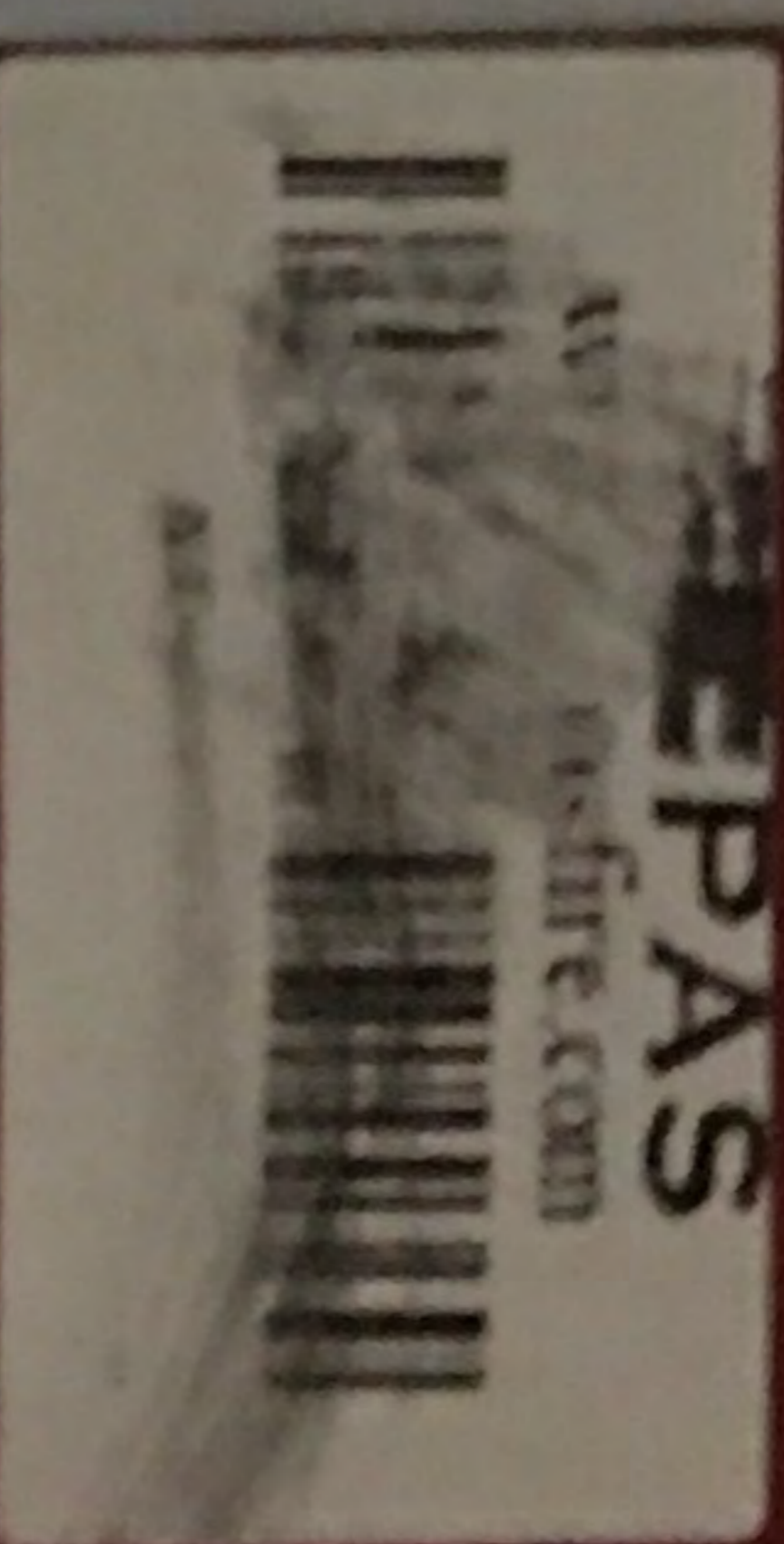
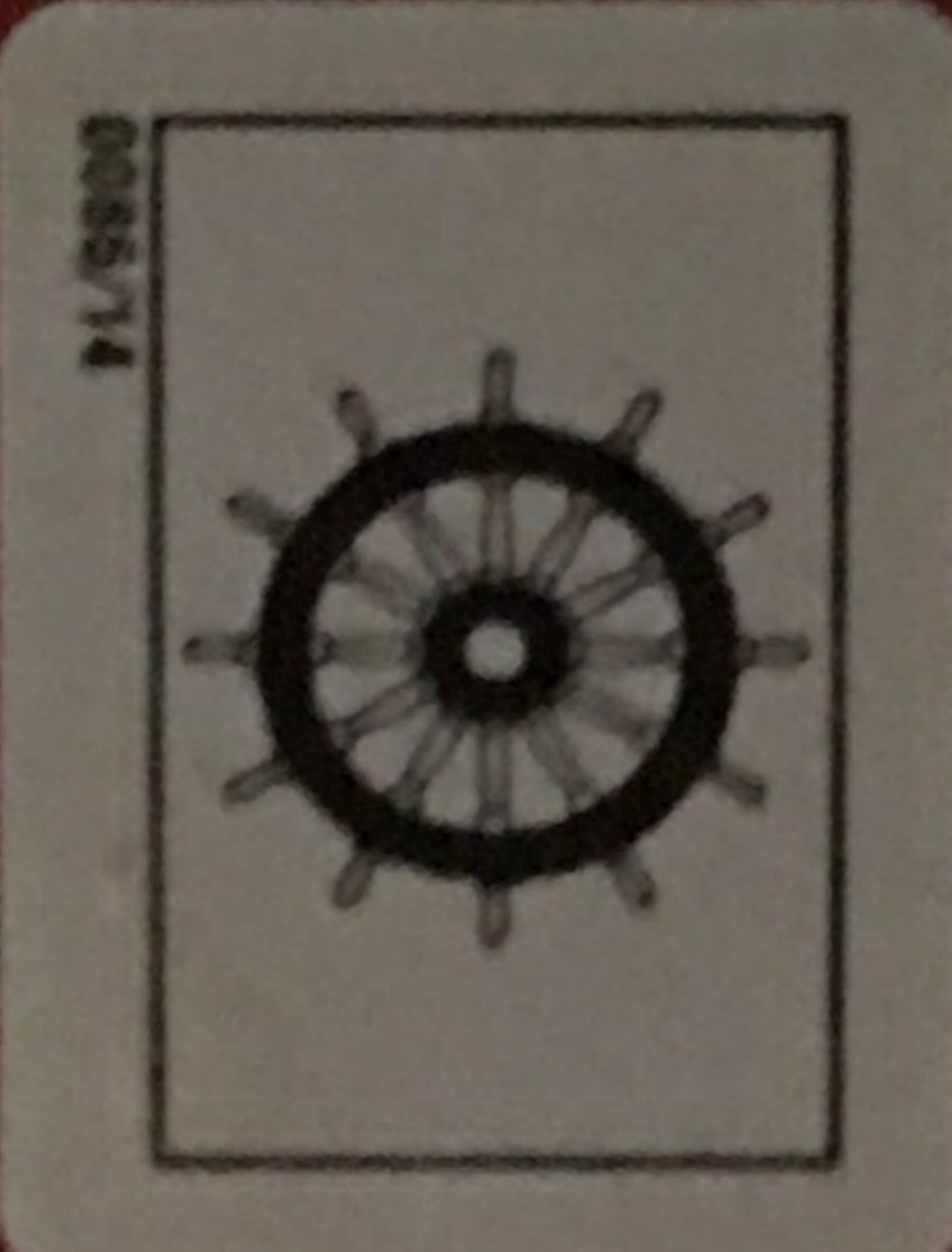


MADE IN EU

Manufactured by **FirePro Systems Limited** An ISO 9001:2008 & 14001:2004 DNV registered company.
 6 Koummandarias & Spyrou Araxoutou Str., Tonia Court II, 6th Floor, Limassol 3036, Cyprus. Telephone: 00357 25379999



EPAS FIRE PROTECTION PTE LTD
 Tel: 6846 0556, sales@epasfire.com





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WORLD CLASS FIRE SOLUTIONS

orbis[®] marine & offshore

Class BR Heat Detector
Certified for marine application
Part No: ORB-HT-41003-MAR
Supply: 8.5V to 33V dc
160309/P14
EN54-5:2000



Lloyd's Register



Refer to Product Guide PP2147
Srv: 070051



0729
16

36 re



www.epasfire.com



FA-00112

ected, maintained and
ce with the Standard for
re Extinguishing Systems,
and Use Manual No EX6960,
June 2014

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in limitations contained in the
etailed Design, Installation, Operation
and Maintenance Instruction Manual.
The designer must be consulted whenever
changes are planned for the system or area
protection.

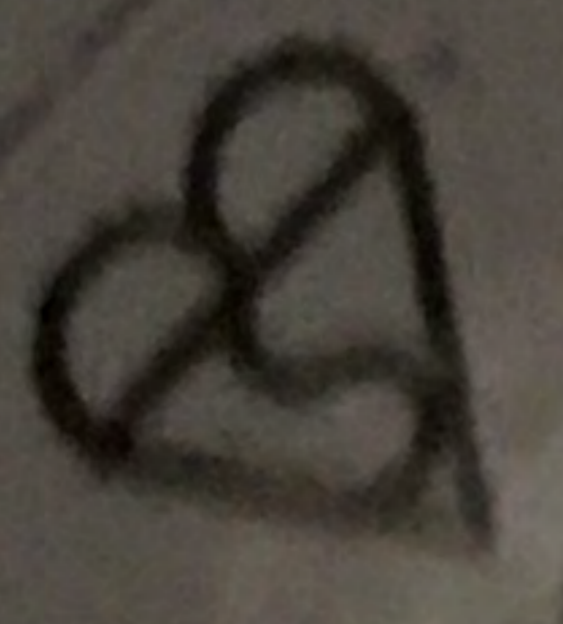
An authorized installer or designer must
be consulted after discharge.
Operating temperatures from
-65°F(-54°C) to +130°F(+54°C).

Inspection & Maintenance
The Extinguishing system unit
shall be inspected monthly, or at
more frequent intervals, when
circumstances require, by trained
personnel. During inspection
check the following components:
electric wiring, electric contacts,
fixing bolts and generator's casing.

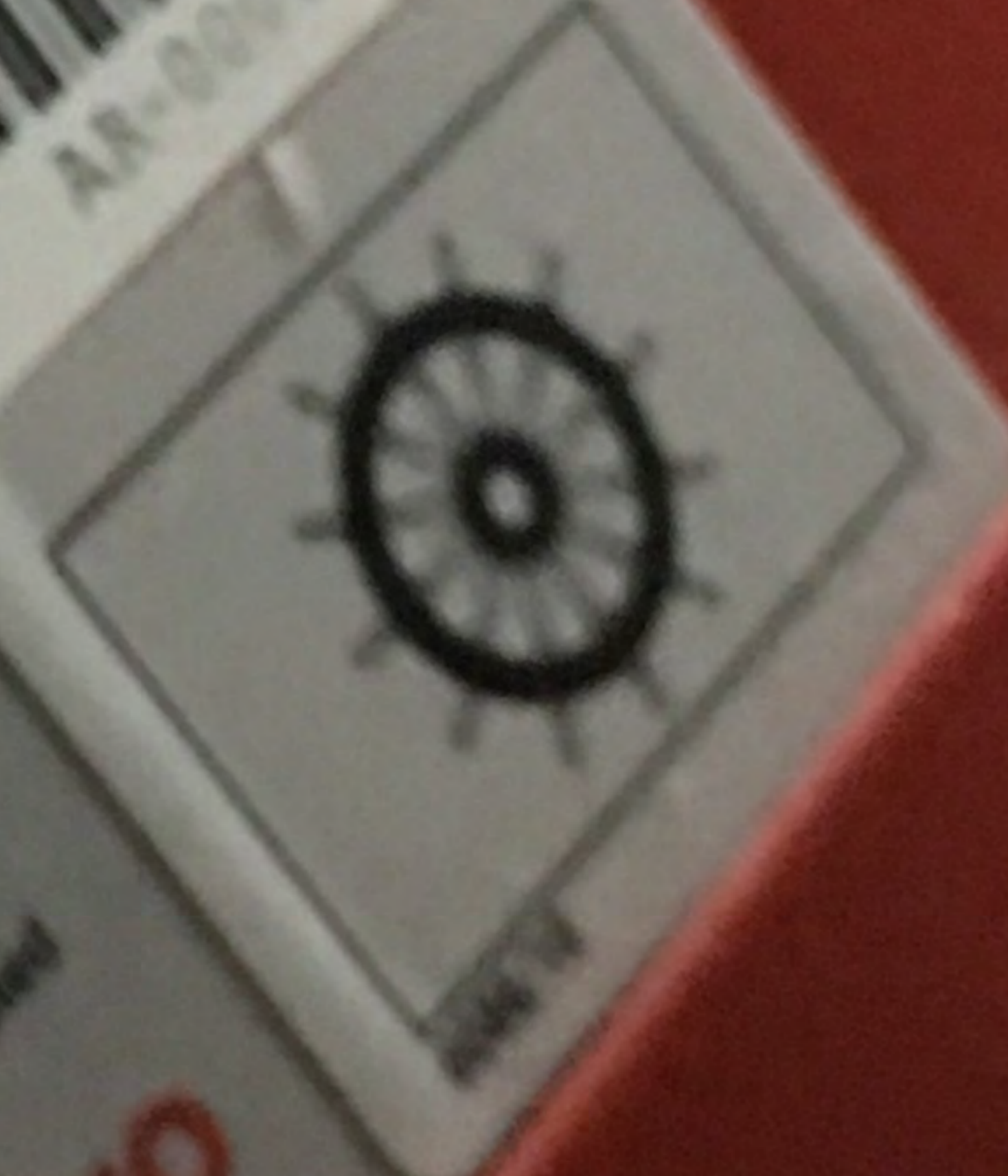
Warning Discharge of agent
can result in a potential hazard
to personnel from natural form
of agent. Avoid unnecessary
exposure. Do not cover, remove
or deface this label. Contents
in solid form: Potassium Nitrate,
Potassium Carbonate, Magnesium,
Epoxy Resin Polymer.

After Using Dispose the aerosol
generator properly after use.

©
Electrical
Equipment



FirePro



FirePro.

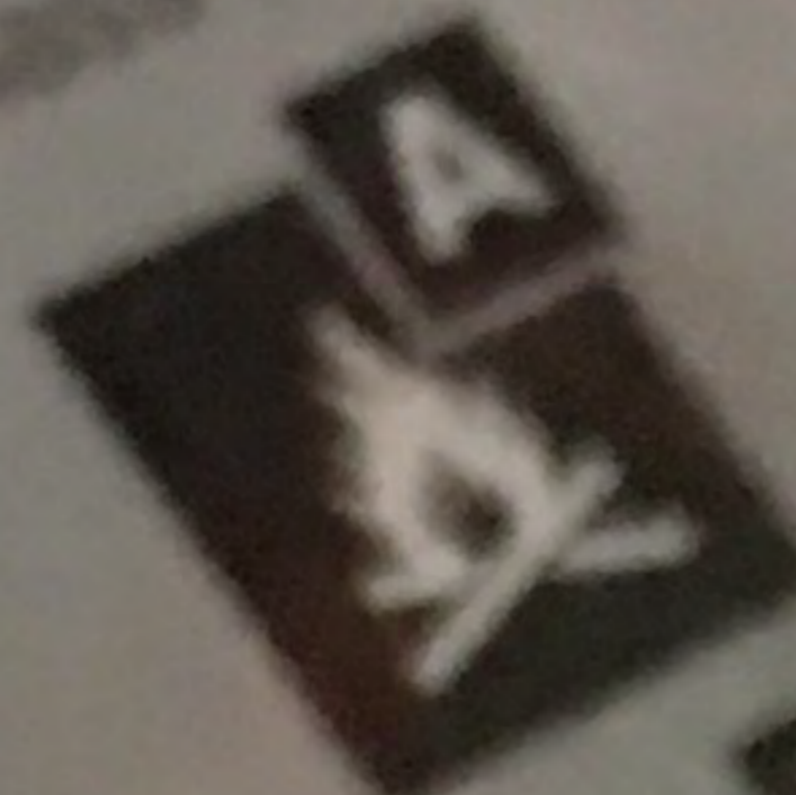
Aerosol Generating
Fire Extinguishing
System Unit

Model: FP5700
Serial Number: 151668
Mass of Aerosol forming
compound in gr: 5700gr
Date of manufacture: 25/04/2016
Replacement Date: 25/04/2026

Manufactured by FirePro Systems Limited, An ISO 9001:2015 & ISO 14001:2015 certified company
6 Koumandarias Str. Tonia Court, 6th Floor, 30.36 Limassol, PO Box 50002, 2205 Limassol, Cyprus
Tel.: +357 25 379999 www.firepro.com



EN2
Class of fire



EN2A 10
Class of fire



LISTED



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TE LTD

ITEM	DESCRIPTION	STOCK CODE	QTY
①	AEROSOL (RELEASE & STATUS) CONTROL PANEL C/W RELEASE BUTTON	AR-00057-1	1 NOS
②	ALARM SOUNDER AND BLUE BEACON 24VDC, WT	FA-00553	2 NOS
③	AEROSOL GENERATOR 5700 GRAMS	AR-00001	1 NOS
④	AEROSOL GENERATOR 2000 GRAMS	AR-00003	1 NOS
⑤	WARNING SIGN	AR-00090	2 NOS

LEGEND:

- — MARINE APPROVED FIRE RESISTANT CABLE TO IEC60331 OR EQUAL
- EOL END OF LINE MONITORING DIODE

DESIGN SPECIFICATION

1. DESIGN SPECIFICATION FOR CONTROL, ACTIVATION AND ALARMS ARE AS PER MCA RULES, ASMA AND SOLAS 74, AS AMENDED, CHAP II.2
2. SYSTEM IS DESIGNED IN ACCORDANCE TO IMO MSC/CIRC.1007 AND IMO MSC.1/CIRC.1270.
3. DISCHARGE DURATION = 15-20 SECONDS
4. MINIMUM HOLDING TIME = 15 MIN
5. AMBIENT TEMPERATURE = 0-55°C

ELECTRICAL SPECIFICATION

1. CABLE STANDARDS TO IEC 60331 OR EQUAL (FIRE RESISTANT, SHEILDED, ARMOURED)
2. GENERATOR CABLES ARE LINE MONITORED

INSTALLATION INFORMATION

1. MAX HEIGHT OF INSTALLATION = 5M
2. MAXIMUM CLEARANCE FROM PERSON/ESCAPE ROUTES = 1.8M
3. PROJECTION = VERTICAL DOWNWARDS
4. MIN CLEARANCE FROM COMBUSTIBLE MATERIALS = 0.8M

CALCULATION (SEE CALCULATION SHEET FOR DETAILS)

GROSS VOLUME = 43.00M3
NETT VOLUME = 36.55M3

NUMBERS OF AEROSOL GENERATOR USED

- 1 X FP5700 FOR ENGINE ROOM
- 1 X FP2000 FOR ENGINE ROOM