

# ELIDE FIRE®

Model:  FULL LIFESAVERS  
AUTOMATIC FIRE FIGHTING BALL



TIS. 3413-2565

AUTOMATIC FIRE FIGHTING BALL

According to Industrial Product Standard

TIS 3413-2565

AUTOMATIC FIRE FIGHTING BALL

ICS 13.220.20 Environment, Health Protection,

Safety Fire Protection – Automatic



Made in Thailand

Made in Thailand (MIT)

The Federation of Thai Industries

Parcel and procurement methods

It is a parcel that the state must promote or support.



USER MANUAL  
FULL LIFE SAVERS

CE 1395



ISO-ICS CODE 13.220.20  
(FIRE PROTECTION AUTOMATIC)

## USER MANAUAL



Creation Date: 30-06-2023 and Publication Date: 03-07-2023

[www.elidefire.com](http://www.elidefire.com)



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Protect yourself against counterfeit products. Scan here to verify the authenticity of the product  
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# ELIDE FIRE®

## 1 ONE STANDARD TEST

ACCEPTED EVERYWHERE



TIS. 3413-2565  
AGENCY FOR TECHNICAL STANDARDS



Made in Thailand



1395



Model:  FULL LIFESAVERS  
AUTOMATIC FIRE FIGHTING BALL



6 WORLD GOLD GENIUS INVENTIONS



 FULL LIFESAVERS  
AUTOMATIC FIRE FIGHTING BALL



## Meaning of product information symbols



**Weight  $1.3 \pm 0.1\text{kg}$**

ELIDE FIRE ABC  
Dry Chemical Powder

**Chemical powder weight  $1.3 \pm 0.1\text{kg}$ .**



**$1.4 \pm 0.1\text{kg}$**

Total weight

**Total weight  $1.4 \pm 0.1\text{kg}$ .**



**$\varnothing \leq 15.5\text{cm}$  (6 Inch)**

Spherical Diameter

**Diameter  $\varnothing 15.5 \pm 0.2\text{ cm}$ .**



Covering an area of  
 **$2.5\text{ M}^3$  (Cubit Meter)**

**Coverage area  $2.5\text{ m}^3$  (Cubic Meters).**



Storage & Installation  
 **$< 70\%(\text{RH}) \pm 10\%(\text{RH})$**

**Store and install in a room with a humidity  
 $\leq 70\% \pm 10\% \text{ RH}$ .**



**$-40^\circ\text{C}$  to  $85^\circ\text{C}$ .**  
Installation Temperature

**Install in a room with a temperature of  
 $-40^\circ\text{C} \sim +85^\circ\text{C}$ .**



**3-30 sec.**  
Activation time

**Upon exposure to flame, the device will autonomously  
activate within a timeframe of 3 to 30 seconds.**



**Impulsive Noise  
 $\leq 120\text{ dB}$   
Act as Fire Alarm**

**Impulsive noise levels  $\leq 120\text{ dBA}$ , concurrently  
serving as an alarm mechanism.**

## Meaning of Warning Symbols



**Do not use with forest fires.**



**Do not use in conjunction with drones.**



**Do not dispose with regular waste.**



**Do not cut, dissect, or tear the product.**



**The fire-fighting ball is not to be utilized for entertainment purposes or employed as a toy.**



## CAUTION



## Expired Product Disposal Symbol



**Carefully dismantle the ball, extracting both the fuse and the associated chemical components.**



**Dig near the plant, add the chemical agent, pour 5 liters of water, and cover with soil.**



**Environmentally friendly.**



**Biodegradable material, waste code 15 01 02**



**Encapsulated container PE FOAM (Polyethylene) can be recycled and reused.**

**Non-Hazardous Waste Code 15 01 02**



## Warning!

Consider installing at fire risk area in a vehicle engine room or boat engine room. Consult a person who specializes in fire safety, such as a safety expert, fire engineer, or a distributor of ELIDEFIRE.

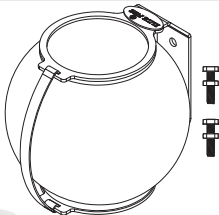
## Product information

Automatic fire fighting ball for engine compartments and engine room of cars, boats, and various types of engines that have large horsepower, such as marine vessels, large ships, large cars, etc.



## Product details

- One Piece of Automatic Fire Fighting Ball.
- One Set of Installation Metal Holder and Screws.
- One Piece of User Manual Handbook.



# ELIDE FIRE®

Model:  FULL LIFESAVERS  
AUTOMATIC FIRE FIGHTING BALL

## Technical product information

Model: FULL LIFE SAVERS

- 01 **Blue**
- 02 **ELIDE FIRE ABC  
dry chemical powder**
- 03 **Chemical powder  
weight: 1.3 ± 0.01kg**
- 04 **Total weight:  
1.4 ± 0.01kg**
- 05 **Shape: Spherical,  
size 6 inches (In)**
- 06 **Diameter:  
15.5 ± 0.2 cm**
- 07 **Service life: 2 years**



## Product Operation

Model: FULL LIFE SAVERS

- Upon exposure to flame, the device will autonomously activate within a timeframe of 3 to 30 seconds.
- Automatically activates upon reaching a temperature of 280°C.
- Impulsive noise levels ≤ 120 dBA, concurrently serving as an alarm mechanism.
- Provides 360° radial coverage of extinguishing agent.
- Total Coverage Area of 2.5 m<sup>3</sup> (Cubic meters) without obstacles.





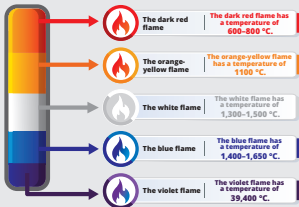
TIS. 3413-2565  
AUTOMATIC FIRE FIGHTING BALL

## Fire Ratings According to TIS. 3413-2565

- **Class A** Fires are caused by the burning of ordinary flammable fuels such as wood, fabric, paper, and plastic. They are indoor building fires.
- **Class B** Fires are caused by flammable liquid fuels, gases, greases, and oils.
- **Class C** Fires are caused by electrical equipment.
- **Class F** Fires that exhibit rapid expansion and achieve peak temperatures (Flash Fire).
- **Class G** Fires caused by Class B and C fires occur in the engine room.



### Nature of Fire



### The Range of the fire's severity

Within 1 minute, a fire spread throughout the room.

Within 2 minutes, the smoke engulfed the upper floors.

Within 3 minutes, the floor of the room was thickly covered with smoke.

Within 4 minutes, the fire spread throughout the area, covering both the upper and lower floors.

Within 5 minutes, toxic fumes and high heat caused people to experience fatalities.

### Product Performance According to TIS. 3413-2565



- **Size 2-A capability** - Capable of automatic extinguishing and monitoring fires within the building.



- **Size 5-B capability** - For Installation of Passive automatic fire suppression only.



- **Size 1-C capability** - Installation for extinguishing fire from live electrical equipments.



- **Size 2-F capability** - Capable of extinguishing active indoor fire within 1 minute from ignition.



- **Size 1-G capability** - Installation for automatic extinguishing fire in the engine room.



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## How to use Model: FULL LIFE SAVERS

01

Utilize for the installation of automatic fire suppression according to risk points.

## FIRE CLASS PROTECTION



*Fire surveillance for automatic  
Extinguishing of fire in the engine room.*



Installed to monitor automatic fire extinguishing  
in the engine room.

- Lab vibration tested of 10 Hz.
- Passed fire performance testing for classes 2-A, 5-B, 1-C, and 2-F. Then tested to pass the 1-G fire extinguishing ability.



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## Remark:



To identify fire risk areas, please consult with a fire safety expert.

Such as a safety professional, fire engineer, or automatic fire fighting ball distributor.

## Installation methods for automatic fire suppression in the engine room.

How to install a 24/7 automatic fire suppression system for a service life of 2 years with no maintenance costs by installing it at fire-risk points.

- ✓ For optimal performance, always install with the yellow arrow pointing up.
- ✓ Installed at a distance of 10-15 cm above the ECU (Electronic Control Unit) in the engine compartment of a car or boat.



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AUTOMATIC FIRE FIGHTING BALL

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## Cautions and Prohibitions for

Model: Full Life Savers

**01** Please thoroughly read the user manual handbook and adhere strictly to the usage instructions.

**02** Consider selecting an appropriate model tailored for specific uses.



## Prohibition

- **Unsuitable for active Class B fires;** designated solely for installation and initial suppression of fires emanating from Class B sources. Do not deploy into Class B fires.
- **Do not install outside the engine room.** Used to install inside the engine room only.
- **Do not install near the exhaust pipe** in the engine room. will damage the product and affect its operation.
- **Do not use with forest fires.**
- **Do not use in conjunction with drones.** This Fire Fighting Ball Model is not suitable for use with drones to extinguish fires.
- **Do not expose the fire-fighting ball to rain or water.**
- **Do not drop the fire-fighting ball from a height more than 2.5 meters.** This can cause the fire-fighting ball to break and affect the performance operation.
- **Adherence to the testing procedures outlined in the TIS 3413-2565 standard manual is imperative.**
- **Cannot be used to extinguish fires originating from wood with red coals.**

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## Product Service Life

The product possesses service life of 2 years.



PE FOAM (Polyethylene)  
15 01 02



HDPE



## Disposal of expired products

Carefully dismantle the ball, extracting both the fuse and the associated chemical components.

Dig near the plant, add the chemical agent, pour 5 liters of water, and cover with soil.

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## Product standards and certifications: product origin International Classification for Standards

- ✓ CE Certification PA 1395-0128/2010-TH/D1
- ✓ THE FEDERAL OF THAI INDUSTRIES MADE IN THAILAND
- ✓ The Thai Industrial Standards Institute (TISI) is the national standards organization for Thailand under the Ministry of Industry. TISI is a member of the International Organization for Standardization (ISO). Thailand follows ISO guidelines to synchronize standards with its trade partners. Thai Standards are developed according to the government policy in consumer protection and industrial. National Safety Thai Standards No. TIS.3413-2565 Standard Name AUTOMATIC FIRE FIGHTING BALL. International Classification for Standards ICS 13.220.20 Environment. Health protection. Safety Fire protection – Automatic
- ✓ ISO 9001 :2015 Certification by TUV SUD ASIA PACIFIC Certificate Registration NO: TUV100 12 352/2
- ✓ National Center for Fire Safety and Civil Protection, Ministry of Internal Affairs Romania. Certificate No. 660/24/2018



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## FAQ

### 1. What kind of chemicals are used? Is it dangerous or not?

**Answer** ELIDE FIRE ABC Dry Chemical Powder (MAP) is harmless to people and the environment, according to the materials safety data sheet for ABC Dry Chemical.

### 2. Is the firefighting ball dangerous?

**Answer** It's not dangerous. The dry chemical powder inside the extinguishing ball is harmless to people and the environment. When the fire extinguishing ball works, there will be a noise level of  $\leq 120$  decibels, which is not harmful to human hearing. It is not harsh, and the material is light, so it is not harmful to the user.

### 3. What to do with the firefighting ball after it expires?

**Answer** Carefully dismantle the ball, extracting both the fuse and the associated chemical components.

Dig near the plant, add the chemical agent, pour 5 liters of water, and cover with soil.

### 4. How do I install a firefighting ball? Is there any equipment to install or not?

**Answer** Every firefighting ball model comes with mounting hardware, and a complete set of screws, easy to install with no training required, should be installed and followed by the instructions of the user manual.

### 5. What happens if a firefighting ball falls from a height?

**Answer** The firefighting ball has passed the drop test from a height of 2.5 meters, but if the user drops it from a height of more than 2.5 meters, it may break, the firefighting ball may deform, and chemicals may leak. If so, it should not be used to extinguish.

### 6. What is the mechanism or method for extinguishing the fire?

**Answer** When touching the flame, the AUTOMATIC FIRE FIGHTING BALL will work automatically within 3-30 seconds and distribute the extinguishing agent to the Inhibited Chain Reaction until the fire finally extinguishes.

### 7. How do I clean after the firefighting ball has worked?

**Answer** Dry chemical cleaning can be done by sweeping, vacuuming, dusting, or using a damp cloth to wipe clean.

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Accuracy or coverage of the above information, use, and information It is for safety reasons, and no authorization or implied performance of any patented invention without a license may require more information to assess other uses of the Product, including the use of the Product in conjunction with any materials or in any way. Procedures other than those specifically referred to in the information contained herein relate to hazards. Any potential association with the product does not imply a suggestion that the use of the product in a given application will result in any exposure or risk. For employees or the general public, the seller cannot be held liable for damages or any injury caused by abnormal use or non-compliance with instructions, guidance, practice, or any hazards inherent in the nature of the product. Buyers and users assume all risks from the use, storage, and handling of this product in accordance with all applicable federal, state, and local laws and regulations. Buyers and users of the product should obtain special instructions from their employees, agents, contractors, and all customers on how to use this product. The manufacturer disclaims responsibility for users following the manual. This edition is strict. Therefore, users should ensure that they are installed in the correct way as specified in this manual. and choose to use automatic fire extinguishing balls according to the type of fire and the capacity specified in the product standard. National Safety Thai Standards for Trade No. TIS.3413-2565 For products with trademark impersonation Plagiarism and counterfeit goods the manufacturer is not responsible in any case. And the manufacturer reserves the right to sue in any case.

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## How to verify genuine products from manufacturers



1. Scratch the gray bar on the QR CODE to find the product code number.
2. Open the application that can scan the QR CODE with a smartphone or check through the website <https://www.elidefire.com/verify-qr-code>
3. Scan the QR CODE to verify that it is a genuine product from the manufacturer.
  - 3.1 If genuine the system will show results confirming that it is a genuine product.
  - 3.2 If it is not a genuine product The system will alert you to beware of counterfeit products.
4. Verification code can only be scanned once. If you can't verify, please contact the manufacturer.  
E-mail: [product@elidefire.com](mailto:product@elidefire.com)

Manufacturer:

**ELIDE FIRE BALL PRO CO., LTD.**

Address: No. 14/7-13 Moo 1 Kaomaikaew, Sub-District, Banglamung District, Chonburi 20150 Thailand

Email: [contact@elidefire.com](mailto:contact@elidefire.com) Website: [www.elidefire.com](http://www.elidefire.com)

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