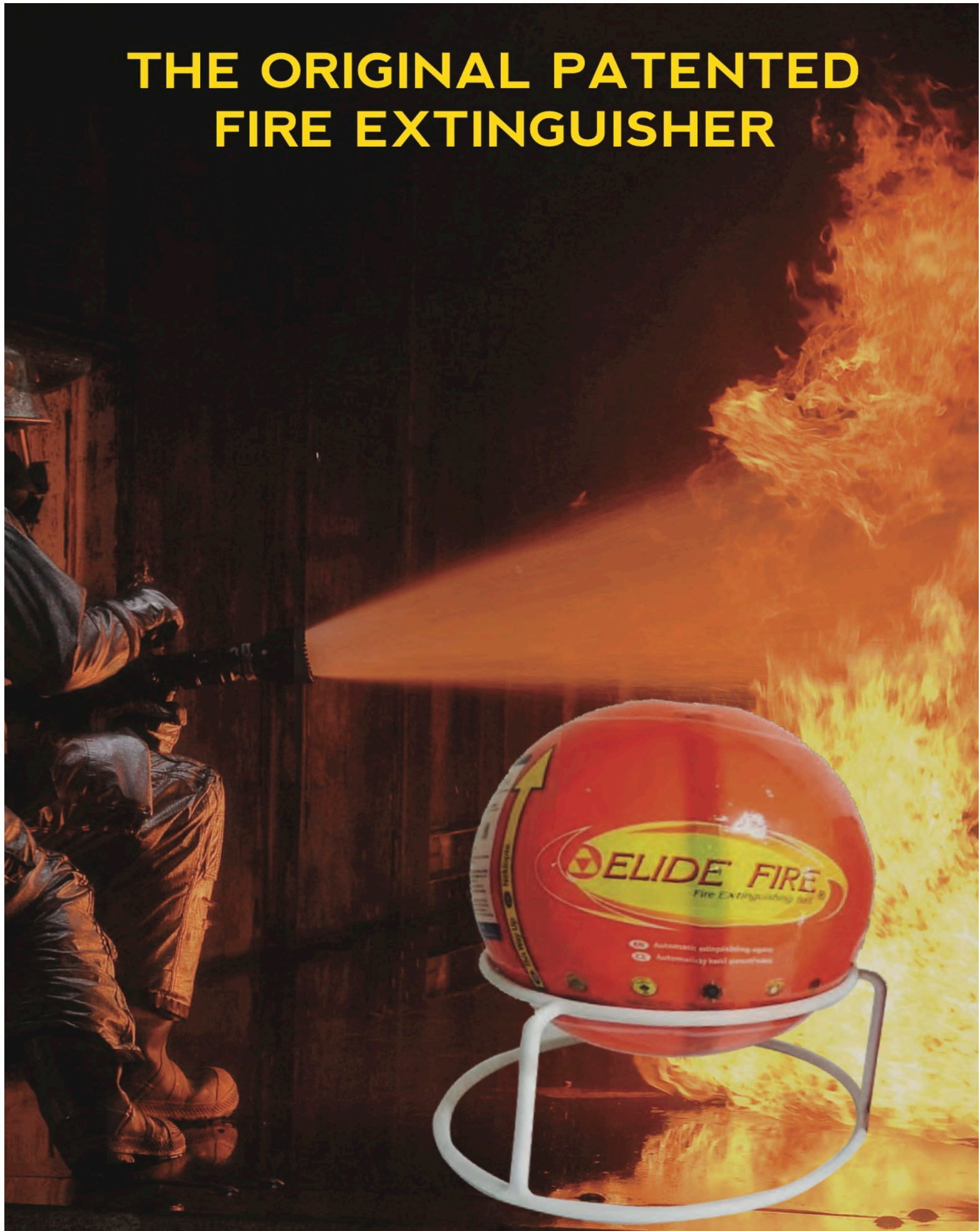


THE ORIGINAL PATENTED FIRE EXTINGUISHER



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Elide Fire Extinguishing Ball – A Product of Thailand

Elide Fire is a ball shaped fire extinguisher. Simply thrown into a fire, it will activate within 3-10 seconds and effectively disperse-extinguishing chemicals. When a fire occurs and no one is present, Fire Extinguishing Ball will self-activate when it comes into contact with fire and give a loud noise as a fire alarm. Because of this feature, it can be placed in may fire prone area such as above electrical circuit breaker or in a kitchen. There is no special training or skill required to operate the ball and no need to face the dangers of the fire. No inspection and maintenance are required for the product life span of 5 years.



Key features

- Elide Fire Ball has got an International Patent PCT by 145 Countries Worldwide.
- More than 10 million Elide Fire Balls sold globally till date.
- Elide Fire puts out the fire automatic without human assistance
- Standby 24 hours a day and 365 days a year for 5 years
- The efficiency of one ball can cover a fire volume of 3 cubic meter radius.
- When the flame touches the ball within 3-10 seconds, it will be explode and spread out dry chemical powder to extinguish the fire automatically in the absence of anyone.
- Free Maintenance Cost without a Refill and check with a Life span of 5 years.
- Environment Friendly Non Moisture Absorption, Non Conductive Non Toxic
- Extinguish fire in the class category of A, B and C.
- An ISO 9001:2008 and CE Certified Manufacturer from Thailand.

Installation & Usage Areas

- Industries , Warehouses & Godowns
- Hospital, Clinics, Health Institutes & Laboratories
- Electrical Panels, Computer Server Rooms, Generators etc.
- Hotels, Restaurants, Tea Coffee shops
- School, Colleges, Offices, Record Rooms.
- Petroleum & Oil Storage Areas & Petrol Pumps
- Airport, Railways & Bus Depots.
- Buses, Trucks , Tankers & Cars
- Govt. Departments, Banks, Financial Institutions etc.
- Cinemas, Stadiums, Concert, Wedding & Convention Halls.

Mr. Phanawatnan Kaimart Inventor & Patentee

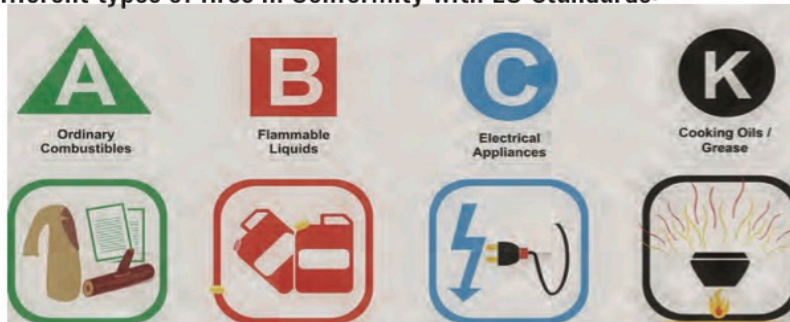


Technical information

- Weight of extinguishing powder mixture: 1.3 +/- 0.2 kg.
- Total weight of the agent: 1.5 +/- 0.2 kg. NEC: 4.0 g
- Diameter : 147 mm
- Warning audio signal: 120 dB (Impulse Noise)
- Activation time: 3 – 10 sec with flame Ensure extinguishing of fires in the distance up to 8 – 10 m2.
- Product type: Other pyrotechnic products, pyrotechnic extinguishing agents
Category P 1 Registration number: 1395 – P1 – 0128/2010 (EU Standard) B, C, E Class use of surveillance only.
- Symbol of fire A, B, C, and E Class in conformity with EU Standards.
- The Elide Fire Ball contains dry fire extinguishing powder – ammonium phosphate mono (about 94% active material)
– it is a dry chemical fire extinguisher, environmentally friendly and safe for humans, plants and animals.

Category of Fire Covered

The Elide Fire Ball can handle different types of fires in Conformity with EU Standards:



Manual operation

With the outbreak of the fire, the Elide Fire Ball needs to be thrown/rolled into the source of the fire. A special mechanism activates the ball within 3-10 seconds after coming into contact with fire. The active ingredients inside the ball extinguish the fire immediately.

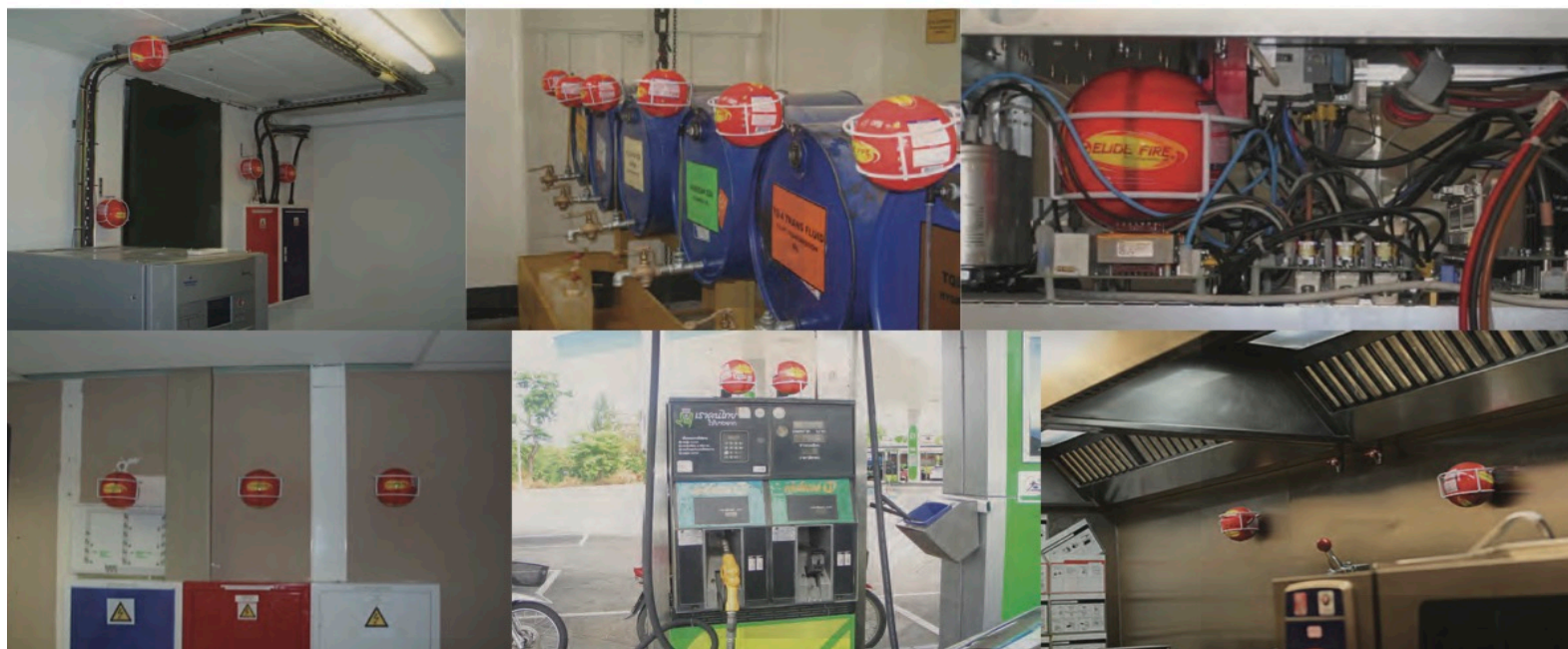


Automatic operation

When fire breaks out while no one is present, the Elide Fire Ball is activated upon coming into contact with a naked flame (or high degree of heat) and extinguishes the fire at the source – while sounding a loud audible alert (as an explosion) – drawing attention to the danger.



Installation References



International Awards & Certifications:

1. Best Enterprise recognition by International Socrates Committee and Europe Business Assembly, 2011
2. Platinum Technology award for Quality and Best Trade Name, Other ways Management & Consulting Association, Paris, France, 2010.
3. WIPO Awards, Gold Medal with Certificate from IIDC International Inventor's day Convention 2008, Bangkok, Thailand.
4. The IFIA Cup for the Best Invention of international Inventors' day, 2 IIDC International Inventor's Day Convention 2009, Bangkok, Thailand.
5. Semi Grand Prize, SIIF Seoul International Invention Fair 2008, Seoul, South Korea.
6. Russian Gold Medal Awards, SIIF 2008, Seoul, South Korea.
7. Excellence Award, Minnesota Inventor Congress, USA 2008.
8. World Genius Award, World Genius Convention, Tokyo, Japan 2007.
9. Gold Medal Award with Mention, Brussels Eureka 2001 Belgium.
10. Certificate of BACCI, Bulgaria.
11. The Best Invention Award from Russia. EMERCOM.
12. National Research Council of Thailand, Bangkok, Thailand, 2008.
13. The High Impact Invention Award, 2 IIDC Thailand, 2009.
14. International Award for Business Leadership and Prestige, German.
15. The International Quality Crown Award, London 2004, United Kingdom.



Description	Fire Extinguishing Tank	Elide Fire Extinguishing Ball
		
Patents	No patent	The product has been certified from International Patent Publication No. WO 2008 / 150265 A1 by protecting country members in 146 countries around the world.
Skills required	Requires skills in using the fire extinguishing tank.	Because it activates automatically, there is no need for training, anyone can use it even women, children, or elderly people, just roll or toss it into the fire base, no need to come closer to fire and it's actually safe.
Weight	It's hard to hold because of its heavy weight.	It's easy to hold because it weighs, only 1.3 kg and due to the sphere shape, it's so easy to roll or toss into the fire base.
Human Security	Because people need to come closer to fire base around 6 feet or 1.8 meters, it is highly risky to get away from the fire and avoid poisonous gas.	Not harmful to people because people can stand away in safe positions and roll or toss it into the fire base.
Chemical Inside	There is pressure inside so that the chemical can coagulate.	There is no pressure inside.
Maintenance	Need regular maintenance in 6 months or more regularly depending on safety policies of organizations.	No maintenance required throughout the 5 years life span.
Refilling	In case of refilling, there is a possibility that the same chemical is re-used and the user has no means of verifying the tank may not have been refilled but rather just cleaned.	No need to refill throughout its 5 years life span.
Concentration of Dry Chemical Powder	Because a pressured tank is used only 30-45% dry chemical can fit in the tank. The dry chemical inside become less effective over time and may not exist no longer than 3 years because the pressure needs refilling and that affects the concentration. Concentration is 45% or 65%.	90+-3% as EN615 standard. Concentration of chemical is 90% +-3 there is no pressure and air inside, so the chemical remains effective throughout the 5 years life span.
Possibility of Failure	If there is no regular maintenance or if it has not been used in a long time, it could malfunction.	Because it activates itself upon direct contact with an open flame and it not having made of any steel components, probability of failure would be zero.
Environment	Most of standard fires extinguishing devices are usually made from CFC and other components that are harmful to environment.	Elide Fire Ball is made from materials that have no CFC, the main chemical component being Mono Ammonium Phosphate which is not harmful to human, animal and is also environmental friendly.
Operational Interval and Duration Time.	Stand away from the fire base 6 feet or 1.8 meters and need to take time for holding tank around 18-20 seconds and it does not activate automatically so it needs time.	Stand away from the fire base in safety interval and it works automatically upon exposure to an open flame.
Sound	None	When the fire ball activates itself, there is sound alert around 140 decibels which is not harmful to people hearing as per ACGIH standard.
Operational Principle	The chemical sprayed out would interfere with the fire chain reaction only.	It works by cutting elements of fire chain reaction out and prevent the elements of fire chain reaction to combine again, extinguishing the fire effectively.
Dangerous faced during extinguishing fire	The user cannot go too close to base of fire as required due to scorching heat from fire.	No need to come closer to the fire as user can roll or toss the fire extinguishing fire ball from any appropriate distance.

10 MILLION PLUS FIRE BALLS SOLD GLOBALLY.



Quick Works

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