

New Generation

Fire Extinguisher



ECO ELEPHANT

- Everyone knows that the fire extinguisher in the world all presents like this :
- However, you have to know that the New Generated Fire Extinguisher not only made by metal, it could be a Transparent Fire Extinguisher.
- And you should know that we can check the quality of dry chemical with a Transparent Fire Extinguisher in any time.
- Therefore, you must know that our Fire Extinguisher do not need designated person to house for maintenance!





Welcome to **Aplus Molds & Plastics Co., Ltd.**

- Establishment- Established in July, 1995. We specialize in mold design / manufacturing & plastic injection: **OEM & ODM**
- We devote in **our own brand manufacturing** which owns multi-national patents.
- Combine technical to develop futurity products in a professional vision.
- Quality Standard Certificates:
 - ✓ **ISO-9001:2000**
 - ✓ **ISO/TS-16949**
 - ✓ **ISO-22000, HACCP**

Eco Elephant is :

- A **New Generated fire extinguisher** which is transparent and see- through.
- An **Eco- Friendly fire extinguisher** which can protect our earth.
- An **Effortless fire extinguisher** with an ergonomic handle design.
- A **Safety fire extinguisher** since there is no constant pressure inside the cylinder.
- An **Economical fire extinguisher** which has non-caking dry chemical inside.
- A **Smart fire extinguisher** with refillable cartridges (CO₂) and dry chemical which can be DIY replaced.

Comparison Item	First Generated ECO ELEPHANT Extinguisher	Steel Cylinder Extinguisher (U.S.A)
Description	Dry Chemical Capacity : 5lbs (2.27 kgs) Total Weight : 4.6 kgs	Dry Chemical Capacity : 5lbs (2.27 kgs) Total Weight : 4.7 kgs
Working Pressure	120 psi (827 Kpa)	195 psi (1344 Kpa)
Working Temperature Range	-30°C to 60°C (-22°F to 140°F)	-40 °C to 49°C (-40 °F to 120°F)
Duration	17~20 sec.	14 sec.
Discharge Range	10-18 feet (3~5.5 m)	10-18 feet (3~5.5 m)
Cylinder	See-through cylinder, easy to visually inspect the dry chemical condition	Can not inspect the dry chemical condition from outside, need annual maintenance.
Characteristic	Good weather resistance, not easy to be rusted.	Metal is easy to be rusted.
Safety	Separate Expellant CO ₂ Gas Cartridge design, not easy to be exploded, neither to be decompressed.	Single Chamber Type : decompression concern exists. Inside Expellant CO ₂ Gas Cartridge : explosion concern exists.

Comparison Item	First Generated ECO ELEPHANT Extinguisher	Steel Cylinder Extinguisher (U.S.A)
New Design	New ergonomic-design handle. easy carry, easy operate.	No ergonomics, require more effort on operating.
Maintenance	Separate Expellant CO ₂ Gas Cartridge design, dry chemical not easy to be compressed. Can recharge dry chemical and change CO ₂ gas cartridge by ourselves.	Single Chamber design, High Intensity CO ₂ compressed dry chemical continually results caking. Need annual professional maintenance.(Decompression, Stirring and Solarization, etc.) <ul style="list-style-type: none"> • Change label : NTD150 • Solarization : NTD350 • Replace chemical : NTD700
ECO	1 ton plastic material production increases 0.4-0.5 ton of CO ₂ , is ¼ of the steel one.	1 ton steel material production increases 1.7 ton of CO ₂ .
Recycle	Plastic material can be totally recycled and reused.	The process of steel recycling is complicated and costly. Results toxic waste, cause pollution.

Instructions

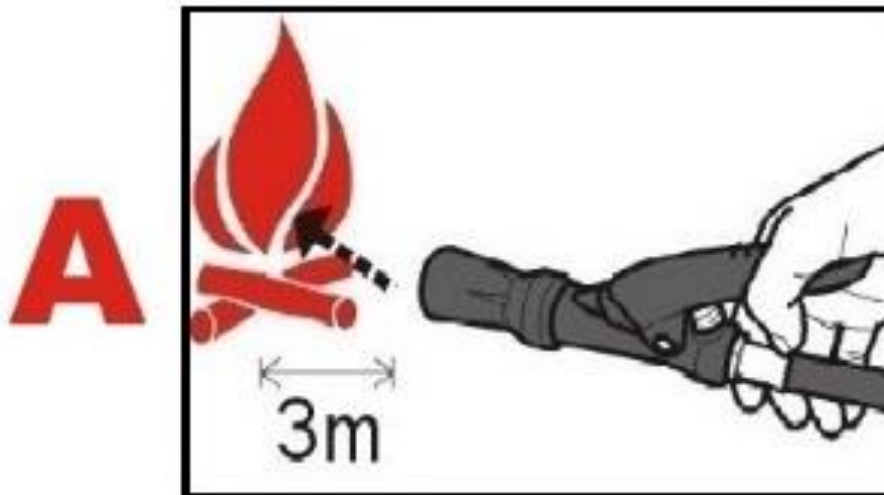
P.A.S.S.

P²



- **Pull** the safety pin to unlock the lever
- Then, **pull** the lever upwards to pressurize.

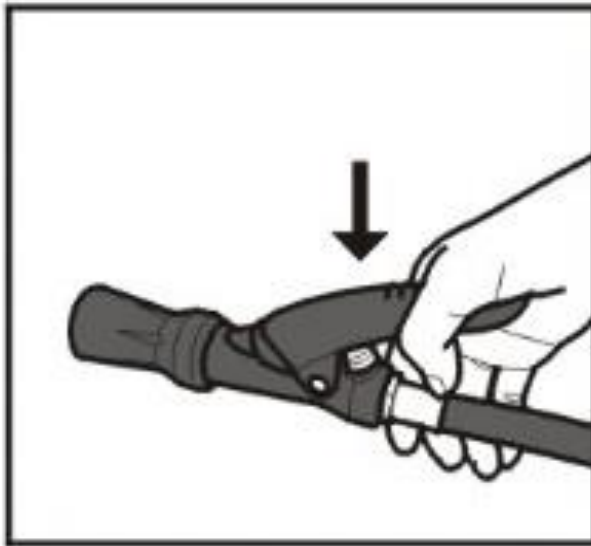
P.A.S.S.



- **Aim** to the base of the fire.

P.A.S.S.

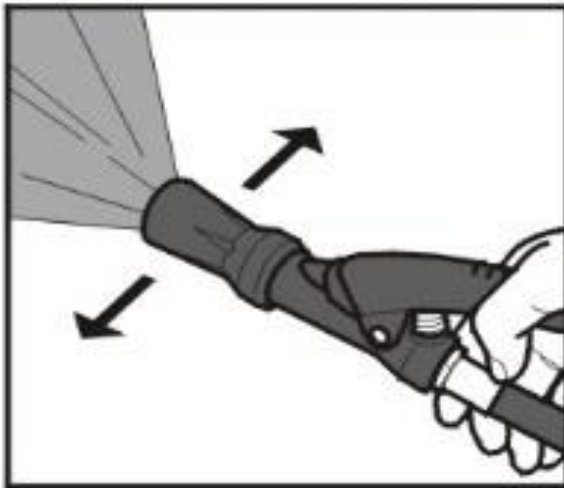
S



- **Squeeze** the nozzle to discharge the extinguishing agent.

P.A.S.S.

S



- **Sweep** the nozzle from side to side aiming to the base of the fire.

AMP in-house Test content

(In accordance with UL specification)

Test Item	Test Content	Result	
Leakage	Inject air into cylinder until 150 psi and stand for 15 minutes, the pressure can not be below 50 psi.	> 50 psi	OK
Range	Height from the ground: 1 m Seconds : over 13 sec Distance : over 3 m Total dry powder spray > 90%(2.04 kg)	1 m	OK
		20 sec	OK
		4~5 m	OK
		> 90%(2.21 kg)	OK
- 30°C Freezing (low temperature)	Put the fire extinguisher into a -30°C freezer to keep freezing for 48hrs and spray immediately after freezing. Seconds : over 13 sec Distance : over 3 m Total dry powder spray > 90%(2.04 kg)	- 30°C	OK
		24 sec	OK
		3~4 m	OK
		> 90%(2.13 kg)	OK
100°C Heating (Aging)	Put the fire extinguisher into a 100°C oven and constantly heat for 24hrs and spray immediately after heating. Seconds : over 13 sec Distance : over 3 m Total dry powder spray > 90%(2.04 kg)	100°C	OK
		20 sec	OK
		4~5 m	OK
		> 90%(2.2 kg)	OK

AMP in-house Test content

(In accordance with UL specification)

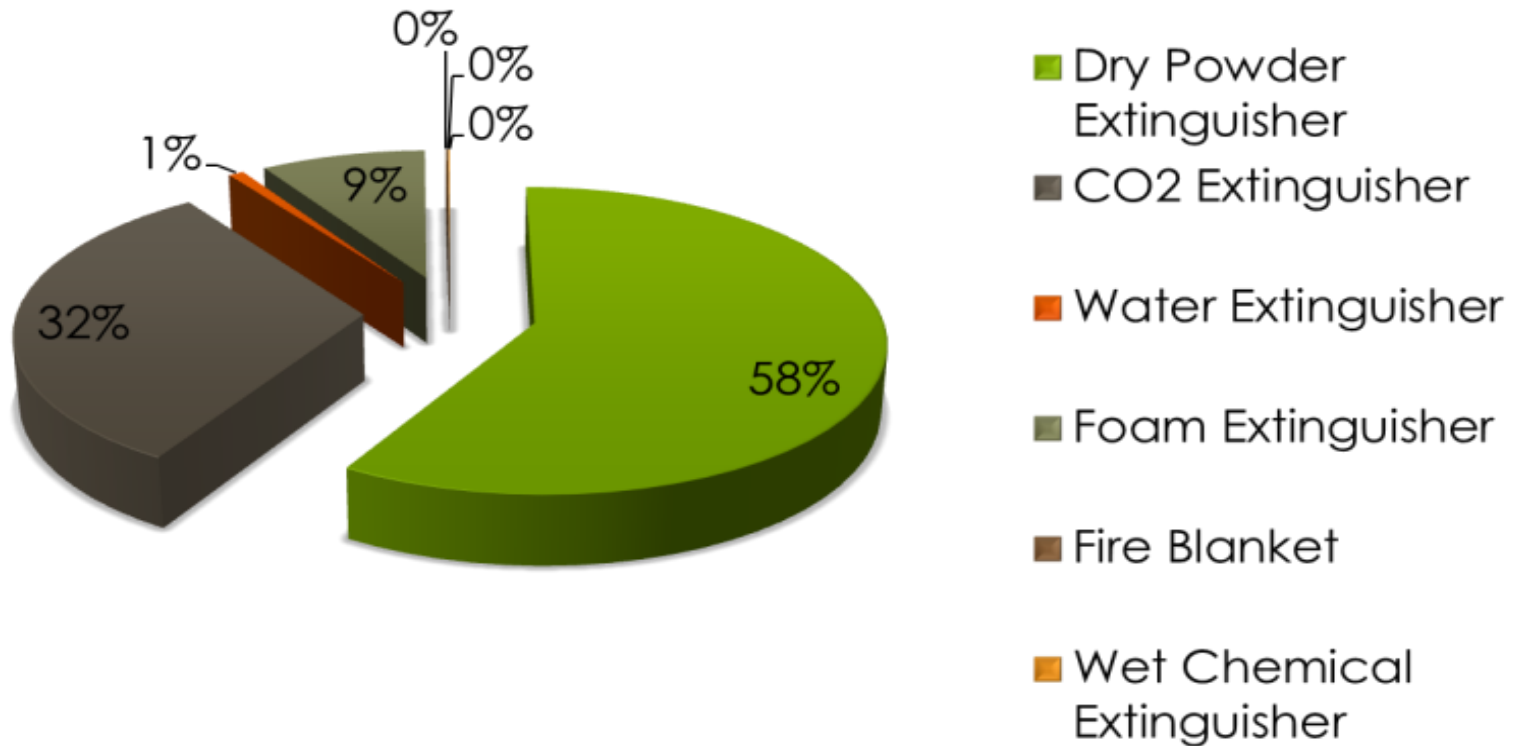
Test Item	Test Content	Result	
Blasting-cylinder	Pressurized the water to 384 psi and maintain 1 min, 768 psi and maintain 1 min, then keep pressurizing the water until blast. (Do not allow debris).	384 psi-1min	OK
		768 psi-1min	OK
		770 psi	Expansion
Blasting-delivery system	As above.	384 psi-1min	OK
		768 psi-1min	OK
		1000 psi	Slight rifts
Drop test	Height from the ground: 1m After injecting CO ₂ into cylinder, the extinguisher will be placed as (a) upright, (b) horizontally, (c) inverted. When extinguisher falls down on the concrete floor, spray it immediately. Seconds : over 13 sec Distance : over 3 m Total dry powder spray > 90%(2.04 kg)	1 m	OK
		20 sec	OK
		3~4 m	OK
		> 90%(2.17 kg)	OK

AMP in-house Test content

(Follow UL Specification)

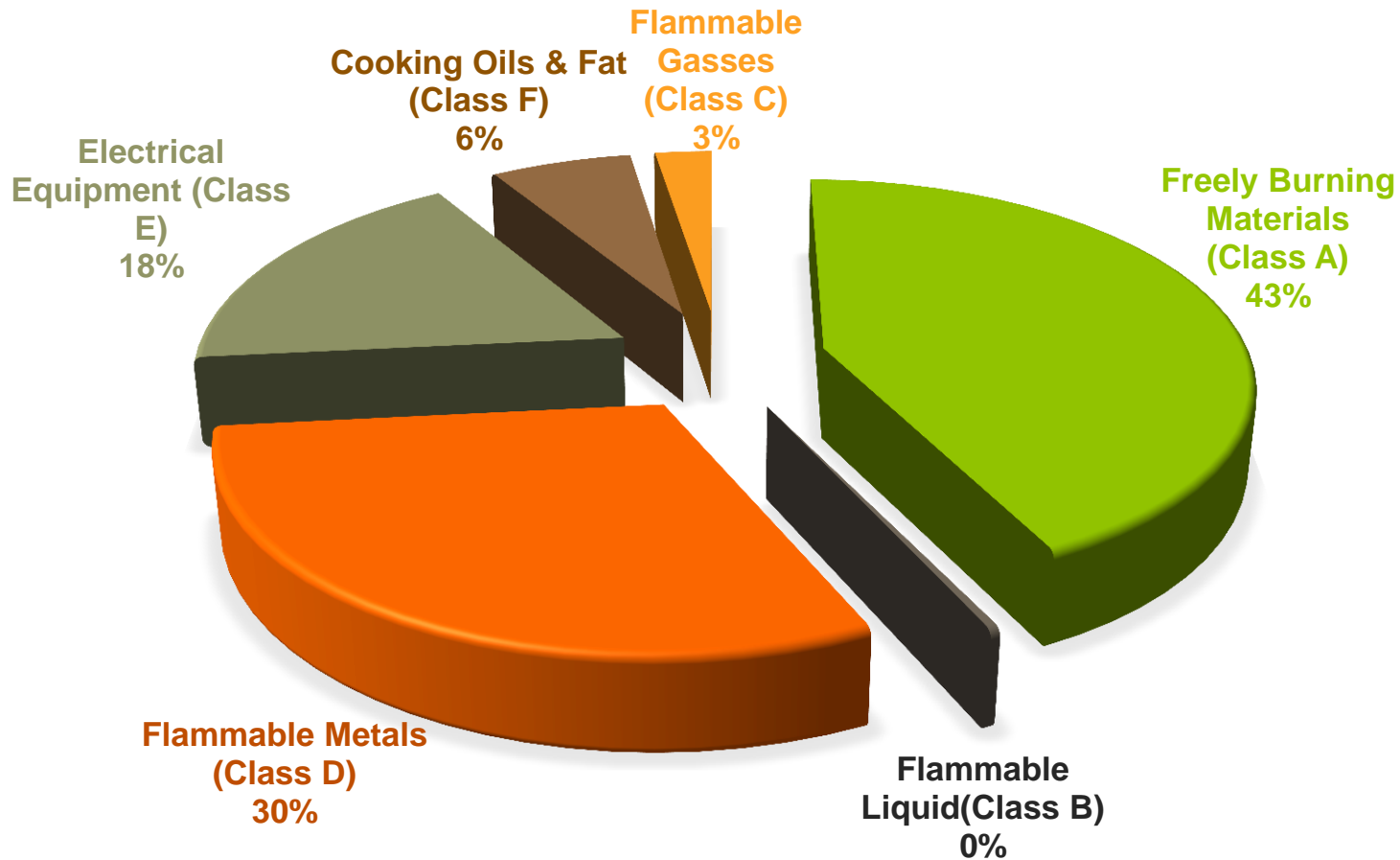
Classification and Rating	Test Content	Result
A type- Wood	Gas Number of wood members: 144 pcs Flammable liquid pan size: 800*800*90 mm	OK
B type- Flammable liquid	Gas Flammable liquid pan size: 1200*1200*90 mm	OK

Most Commonly Used Extinguishing Agent



**The highest usage percentage in the world : Dry Powder Extinguisher
ECO ELEPHANT is exactly ABC Dry Powder Extinguisher**

Most Frequently Type of Fire



70% of the fire could be wiped out by using ECO ELEPHANT

ECO ELEPHANT

Is the New Generation of fire extinguishers



Thank you!!