



FIRE EXTINGUISHER

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It is advisable to place fire extinguishers at locations within the property where they can be easily reached in the event of a fire.

In Malaysia, the various types of fires are categorised into six classes based on the materials being burnt or that are in danger of being burnt. The contents of the fire extinguishers must therefore be able to safely fight these fires without endangering human lives and property. Class A, B, C and F fire extinguishers also carry a numerical rating that indicates the amount of fire it can handle; the higher the number, the more fire-fighting power it has. Class D and E fire extinguishers are not given numerical ratings.

Choosing the right type of fire extinguisher is critical for effectiveness and safety in fighting a fire. For example, water should never be used to fight Class B and E fires as the risk of being electrocuted or of the fire spreading is very high. Use this guide to select the correct fire extinguisher to use:



CLASSES OF FIRE

Class A

Ordinary combustible materials or organic solids such as paper, wood, cardboard and most plastics

Class B

Flammable or combustible liquids such as petrol, kerosene, grease and oil

Class C

Flammable gases such as butane and propane

Class D

Combustible metals such as magnesium, titanium, potassium and sodium

Class E

Electrical equipment such as appliances, wiring, circuit breakers and electrical outlets

Class F

Cooking fat, trans-fat and cooking oil

TECHNICAL DATA						
Type of Fire Extinguisher	Class A Combustible Solids	Class B Flammable Liquids	Class C Flammable Gases	Class D Combustible Metal	Class E Electrical Equipment	Class F Cooking Fat & Oil
Dry Powder	✓	✓	✓	X	✓	X
CO ₂	X	✓	X	X	✓	X
Foam	✓	✓	X	X	X	X



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MS 1539 PART 1: 2002
Certification No: PU 15303

UNIQUE Portable Dry Powder Fire Extinguisher

UNIQUE Portable Dry Powder Fire Extinguishers are handheld, multipurpose fire extinguishers which can be effectively used for Class A, B, C and E fires.

ABC Powder, the dry chemical powder agent in these extinguishers, is a non-conductor of electricity and is not dangerous to humans or animals. This makes dry powder fire extinguishers the ideal equipment to use during dangerous mixed-class fires but their use should be avoided for fires which involve carbon disulphite and flammable metals such as magnesium and sodium (Class D fires).



TECHNICAL DATA					
Model No.	UF-9	UF-6	UF-4	UF-2	UF-1
Code No.	FEU-9D	FEU-6D	FEU-4D	FEU-2D	FEU-1D
Capacity	9.0kg	6.0kg	4.0kg	2.0kg	1.0kg
Type of Extinguishant	ABC Powder				
Type	Stored Pressure				
Propellant	Nitrogen				
Working Pressure	12 bar (174 psi)				
Test Pressure	25 bar (362.5 psi)				
Temperature Range	-20°C to 60°C				
Discharge Time (approx)	20s	18s	14s	12s	7s
Overall Height	560mm	560mm	470mm	378mm	330mm
Cylinder Diameter	181mm	157mm	157mm	110mm	79mm
Approx. Full Weight	13.0kg	9.4kg	6.9kg	3.3kg	1.9kg
Body Material	Cold Rolled				
Finishing	Red (RAL 3000)				
Class of Fire	A, B, C, E				
Fire Rating	27A 144B	27A 144B	13A 70B	13A 55B	5A 21B
Manufactured & Approved	MS 1539 PART 1: 2002				
Throw Range Discharge	3-4m (approx)				



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UNIQUE Dry Powder Wheeled (Trolley) Fire Extinguisher

Industrial premises require larger portable fire extinguishers to be on standby in case of fire. Bigger capacity fire extinguishers give more time to douse possibly larger fires in the workplace. Cart-mounted extinguishers are ideal for this purpose as they can easily be moved about.



25kg

TECHNICAL DATA	
Model No.	UFM25
Code No.	FEUT- 25D
Capacity	25kg
Type of Extinguishant	ABC Powder
Type	Stored Pressure
Propellant	Nitrogen
Working Pressure	15 bar (218 psi)
Test Pressure	30 bar (435 psi)
Temperature Range	-20°C to 60°C
Discharge Time	15s (approx.)
Overall Length	440mm
Overall Width	450mm
Overall Height	960mm
Overall Weight	60 kg
Body Material	CR Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B, C, E
Fire Rating	A 233B C
Throw Range Discharge	5 - 6m (approx.)



50kg

TECHNICAL DATA	
Model No.	UFM50
Code No.	FEUT- 50D
Capacity	50kg
Type of Extinguishant	ABC Powder
Type	Stored Pressure
Propellant	Nitrogen
Working Pressure	15 bar (218 psi)
Test Pressure	30 bar (435 psi)
Temperature Range	- 20°C to 60°C
Discharge Time	30s (approx.)
Overall Length	490mm
Overall Width	500mm
Overall Height	1110mm
Overall Weight	92kg
Body Material	CR Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B, C, E
Fire Rating	A 233B C
Throw Range Discharge	5 - 6m (approx.)