

PRINCIPLES OF FIRE

The Triangle of Fire indicates the three important components that keep a fire burning. The elimination of one of these components will ensure that the fire does not survive. This is the main principle in which all fires are fought and extinguished



- FUEL** – Combustible source. Eg. wood, paper etc.
- AIR** – Oxygen to support / sustain combustion.
- HEAT** – Temperature high enough to burn / auto ignition. Remove one side of the triangle and combustion cannot continue.

CATEGORIES OF FIRE

It is important to determine the type of fire so it can be effectively put out with the right extinguisher designed for the specific type of fire.



A Combustible solid material Eg: Wood, Paper, Rubber etc.



B Flammable Liquid



C Flammable Gasses



E Life Electrical Equipment



FIRE FIGHTER

ESTD 1974

FIGHTING FIRE SINCE 1974

PROVIDING A WIDE RANGE OF FIRE FIGHTING SOLUTIONS FOR ALL SITUATIONS



Manufacturing

Maintenance

Installation

Training

Supply



ISO 9001:2000 – Manufacture and Servicing of Portable Fire Extinguishers (Dry Powder and CO₂), Servicing, Installation and Maintenance of Fire Protection Systems.

Certificate No: 403523
ISO 9001:2000



FIRE FIGHTER INDUSTRY SDN. BHD. (93041-T)

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BEST BRANDS
FIRE FIGHTING
EQUIPMENTS
2007/2008



SME SERVICE
EXCELLENCE
AWARD



Certificate No: 403523
ISO 9001:2000



SIRIM
Certified to
MS 1539: Part 1:2002
Cert. No: PF006701 & 02
Approved by:
BOMBA APPROVED

FIRE EXTINGUISHER

Tecnical Specifications



	9 kg Dry Powder	3 kg Dry Powder	1 kg Dry Powder	5 kg Carbon Dioxide Gas	2 kg Carbon Dioxide Gas
Type	Strored Pressure	Strored Pressure	Strored Pressure	-	-
Propellant	Nitrogen	Nitrogen	Nitrogen	-	-
Capacity	9 kg Dry Powder	3 kg Dry Powder	1 kg Dry Powder	5 kg Carbon Dioxide (CO ₂)	2 kg Carbon Dioxide (CO ₂)
Head Valve	Controllable Brass Valve with Gauge	Controllable Brass Valve with Gauge	Controllable Brass Valve with Gauge	Controllable Brass Valve	Controllable Brass Valve
Overall Height	570 mm	405 mm	300 mm	665 mm	525 mm
Approx. Full Weight	13.00 kg	5.0 kg	1.80 kg	17.0 kg	8.0 kg
Working Temperature Range	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C
Working / Test Pressure	12 Bar / 24 Bar	12 Bar / 24 Bar	12 Bar / 24 Bar	56 Bar / 250 Bar	56 Bar / 250 Bar
Burst Pressure	Exceed 69 Bar	Exceed 69 Bar	Exceed 69 Bar	>458 Bar	>458 Bar
Discharge Time	>20 Seconds	>9 Seconds	>6 Seconds	>20 Seconds	>15 Seconds
Approx. Effective Range	6-7 meter	3 meter	2.5 meter	-	-
Body Material	Mild Steel	Mild Steel	Mild Steel	Seamless	Seamless
Body Diameter	180 mm	130 mm	90 mm	152 mm	114 mm
Fire Rating	27A / 144B	13A / 55B	5A / 21B	55B	21B
Paint Finishing	Red Epoxy Powder Coating	Red Epoxy Powder Coating	Red Epoxy Powder Coating	Red	Red
Manufacturer	Fire Fighter Industry Sdn Bhd	Fire Fighter Industry Sdn Bhd	Fire Fighter Industry Sdn Bhd	-	-
Design & Manufacture To	MS 1539 : Part 1 : 2002	MS 1539 : Part 1 : 2002	MS 1539 : Part 1 : 2002	MS 1539 : Part 1 : 2002	MS 1539 : Part 1 : 2002
CLASS					
Class A Combustible solid material Eg: Wood, Paper, Rubber etc.	✓	✓	✓	-	-
Class B Flammable Liquid	✓	✓	✓	✓	✓
Class C Flammable Gases	✓	✓	✓	-	-
Class E Life Electrical Equipment	✓	✓	✓	✓	✓

FIRE HOSE

JACKET:

- Tough, High Tenacity
- Good Mechanical
- Abrasion Resistance
- No Absorbancy
- Rotproof, Mildew Proof

LINING:

- No Hydrolysis
- Flex-Fatigue Resistance
- Excellent Flexibility
- Climatically Resistance
- Resistance to Swell Oils and Aliphatic Hydrocabon
- Light Weight

HOSE DIAMETER:

- 63 MM
- 2.5 IN

BURSTING PRESSURE:

- 40 KG / CM²
- 580 PSI

APPROX. WEIGHT:

- 0.280 KG / M
- 0.188 IB / FT