

# FIRE EXTINGUISHER

## Technical Specifications



	9 kg Dry Powder	3 kg Dry Powder	1 kg Dry Powder	5 kg Carbon Dioxide Gas	2 kg Carbon Dioxide Gas
<b>Type</b>	Stored Pressure	Stored Pressure	Stored Pressure	-	-
<b>Propellant</b>	Nitrogen	Nitrogen	Nitrogen	-	-
<b>Capacity</b>	9 kg Dry Powder	3 kg Dry Powder	1 kg Dry Powder	5 kg Carbon Dioxide (CO2)	2 kg Carbon Dioxide (CO2)
<b>Head Valve</b>	Controllable Brass Valve with Gauge	Controllable Brass Valve with Gauge	Controllable Brass Valve with Gauge	Controllable Brass Valve	Controllable Brass Valve
<b>Overall Height</b>	570 mm	405 mm	300 mm	665 mm	525 mm
<b>Approx. Full Weight</b>	12.00 kg	5.0 kg	1.80 kg	17.0 kg	8.0 kg
<b>Working Temperature Range</b>	-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
<b>Working / Test Pressure</b>	12 Bar / 24 Bar	12 Bar / 24 Bar	12 Bar / 24 Bar	56 Bar / 250 Bar	56 Bar / 250 Bar
<b>Burst Pressure</b>	Exceed 69 Bar	Exceed 69 Bar	Exceed 69 Bar	≥58 Bar	≥58 Bar
<b>Discharge Time</b>	≥20 Seconds	≥9 Seconds	≥6 Seconds	≥20 Seconds	≥15 Seconds
<b>Approx. Effective Range</b>	6-7 meter	3 meter	2.5 meter	-	-
<b>Body Material</b>	Mild Steel	Mild Steel	Mild Steel	Seamless	Seamless
<b>Body Diameter</b>	180 mm	130 mm	90 mm	152 mm	114 mm
<b>Fire Rating</b>	27A / 144B	13A / 55B	5A / 21B	55B	21B
<b>Paint Finishing</b>	Red Epoxy Powder Coating	Red Epoxy Powder Coating	Red Epoxy Powder Coating	Red	Red
<b>Manufacturer</b>	Fire Fighter Industry Sdn Bhd	Fire Fighter Industry Sdn Bhd	Fire Fighter Industry Sdn Bhd	-	-
<b>Design &amp; Manufacture To</b>	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
<b>CLASS</b>					
<b>Class A</b> Combustible Solid Material e.g.: Wood, Paper, Rubber etc.	✓	✓	✓	-	-
<b>Class B</b> Flammable Liquid	✓	✓	✓	✓	✓
<b>Class C</b> Flammable Gases	✓	✓	✓	-	-
<b>Class E</b> 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 Hydrocarbon
- Light Weight

## HOSE DIAMETER:

- 63 MM
- 2.5 IN

## BURSTING PRESSURE:

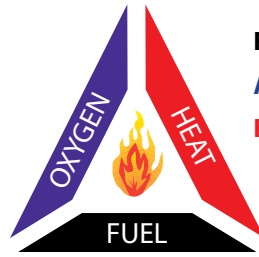
- 40 KG / CM<sup>2</sup>
- 580 PSI

## APPROX. WEIGHT:

- 0.280 KG / M
- 0.188 IB / FT

# 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. e.g. 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.



**Combustible Solid Material**  
e.g.: Wood, Paper, Rubber etc.



**Flammable Liquid**  
e.g.: Petrol, Oil, Paint



**Flammable Gasses**  
e.g.: Natural Gas, Hydrogen



**Life Electrical Equipment**  
e.g.: Computers, Photo Copiers

## PROVIDING A WIDE RANGE OF FIRE FIGHTING SOLUTIONS FOR ALL SITUATIONS



Manufacturing



Maintenance



Installation



Training



Supply



## ISO 9001:2015 ISO 14001:2015

The Integrated Management System is applicable for

Manufacture and Servicing of Portable Fire Extinguishers (Dry Powder and CO<sub>2</sub>), Servicing, Installation, Maintenance and Repair of Fire Protection Systems.



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ESTD 1974

# FIRE FIGHTER

FIGHTING FIRE SINCE 1974



"The Brand Laureate"  
BEST BRANDS  
FIRE FIGHTING  
EQUIPMENTS  
2007-2018



SME SERVICE  
EXCELLENCE  
AWARD



SIRIM  
Certified to  
MS 1538: Part 1:2002  
Cert. No: PF006701 & 02  
Approved by:  
BOMBA APPROVED