

Muster Fire Extinguishers



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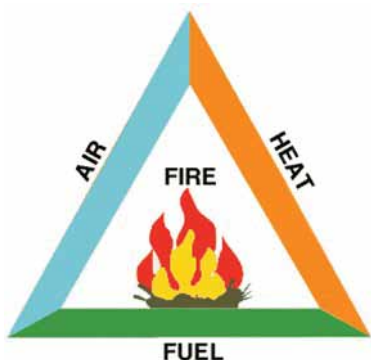
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What is Fire?

Fire is a combination of Air, Fuel, Heat and a chemical reaction. It is represented by this Fire Triangle below.



Why do I need a portable fire extinguisher?

Portable Fire Extinguishers can save lives and property by putting out or containing fires within the capability of the extinguisher. However, they must be of the correct type for the particular fire, and they must be used correctly. It is always better to fight a fire through prevention and early detection.

Where should I install my portable fire extinguisher?

Extinguishers should be mounted in convenient locations in areas that contain potential fire hazards. Place the extinguisher near the entry and exit points of the area so they can be reached easily. Extinguishers should be located where there are no obstructions and they can be highly visible from all directions.

What are the different types of portable fire Extinguishers?

There are a number of types of portable fire extinguishers available. Portable fire extinguishers are categorized by ratings. These ratings determine the size and type of fire that the extinguisher can effectively extinguish. Each type of extinguisher may be rated for one or more class of fire. In some cases, particular extinguishers are not only considered ineffective against certain classes of fire, they can be dangerous if used in those circumstances.

The classes of fire are:

Class A	Ordinary Combustibles
Class B	Flammable and combustible liquids
Class C	Flammable gases
Class D	Combustible metals
Class E	Electrically energised equipment
Class F	Cooking oils and fats

Portable fire extinguishers are distinguishable by their labels and their colouring.

Check the extinguisher label and purchase an extinguisher that is appropriate for the type and size of fire you may encounter. Make sure that your extinguisher has the right approvals.



MUSTER
FIRE SUPPRESSION SYSTEMS

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DON'T FORGET THE
P.A.S.S
WORD

P PULL THE PIN





A AIM LOW AT THE BASE OF THE FIRE

S SQUEEZE THE HANDLE TO SPRAY THE FIRE

S SWEEP FROM SIDE TO SIDE AT THE BASE OF THE FIRE UNTIL EXTINGUISHED

Portable Fire Extinguisher Guide

Type of Fire, Class and Suitability

Pre 1997	Current	Extinguishing Agent	A	B	C	E	F	Comments	D	
			Wood Paper Plastic	Flammable & Combustible Liquids	Flammable Gases	Electrically Energised Equipment	Cooking Oils and Fats		Metal Fires	
		Water	✓	✗	✗	✗	✗	Dangerous if used on flammable liquid, energised electrical equipment and cooking oil/fat fires.	Use only special purpose extinguishers and seek expert advice.	
		Wet Chemical	✓	✗	✗	✗	✓	Dangerous if used on energised electrical equipment.		
		Foam	✓	✓	✗	✗	LIMITED	Dangerous if used on energised electrical equipment.		
		Powder	(ABE)	✓	✓	✓	✓	✗		Look carefully at the extinguisher to determine if it is a BE or ABE unit as the capability is different.
			(BE)	✗	✓	✓	✓	✓		
		Carbon Dioxide	LIMITED	LIMITED	✗	✓	✗	Not suitable for outdoor use or smouldering deep seated A Class Fires.		
		Vapourising Liquid	✓	LIMITED	LIMITED	✓	✗	Check the characteristics of the specific extinguishing agent. 5 Yearly servicing must be done by ODS & SGG licenced persons.		
		Fire Blanket	LIMITED*	LIMITED	✗	✗	✓	* Fire Blankets may be used as a thermal barrier against radiated heat and to control a fire in clothes being worn by a person.		

✓ = the class or classes in which the agent is most effective

✗ = not recommended for these class of fires

LIMITED = indicates that the Extinguishant is not the agent of choice for the class of fire, but may have limited extinguishing capability.

LIMITED* = Solvents such as alcohol or acetone mix with water and therefore require special foam.

Muster ABE Portable Fire Extinguishers

ABE Fire Extinguishers

Suitable for all paper, textiles, wood, plastics, rubber, petrol, oil, paints, LPG, CNG, Acetylene and electrically charged equipment. It is also important to remember that when using this Dry Chemical Powder (DCP) extinguisher, consideration must be made in relation to the location and usage of this product as a fine powder is discharged that may cause specific concerns or damage.

Muster fire extinguishers are all powder coated red cylinders and Approved to AS/NZS 1841.

1.5kg ABE with Vehicle Bracket

Muster's 1.5kg ABE has been designed to be most effective in the common household, small kitchen, small computer or electrical room as well as cars and racing vehicles.

Approved to AS/NZS 1841.5

Extinguisher Type	Fire Extinguishers – Dry Chemical Powder
Product Code	43-G1.5ABESVB
Rating	2A:20B:E
Dimension	Height = 370mm, Diameter = 100mm



43-G1.5ABESVB

2.5kg ABE With Vehicle Bracket

This extinguisher is fitted with a stainless steel vehicle bracket. This is one of Muster's most versatile fire extinguishers which can be fitted to a vehicle or wall. Other features include stainless steel handles, steel cylinder, brass valve and powder coated red finish.

Approved to AS/NZS 1841.5

Extinguisher Type	Fire Extinguishers – Dry Chemical Powder
Product Code	43-G2.5ABEVB
Rating	3A:40BE
Dimension	Height = 430mm, Diameter = 110mm



43-G2.5ABEVB

Muster ABE Portable Fire Extinguishers

4.5kg ABE Extinguisher

Powder coated finish with maximum UV protection. Other features include a steel cylinder with a fully welded skirt, brass valve and stainless steel handles.

Approved to AS/NZS 1841.5

Extinguisher Type	Fire Extinguishers – Dry Chemical Powder
Product Code	43-G4.5ABE
Rating	4A:60BE
Dimension	Height = 450mm, Diameter = 150mm



43-G4.5ABE

9.0kg ABE Extinguisher

The largest of the Muster's portable extinguisher range, the 9kg ABE extinguisher is complete with stainless steel handles, steel cylinder, brass valve and a powder coated red finish.

Approved to AS/NZS 1841.5

Extinguisher Type	Fire Extinguishers – Dry Chemical Powder
Product Code	43-G9ABE
Rating	6A:80BE
Dimension	Height = 615mm, Diameter = 183mm



43-G9ABE

Muster Carbon Dioxide Portable Fire Extinguishers

3.5kg Carbon Dioxide (CO₂) Fire Extinguisher

This aluminium cylinder is complete with hose & horn. Manufactured in Australia, to AS/NZS 1841.6. Other features include stainless steel handles, brass valve and powder coated red finish.

Mass Charged = 8.4kg

Discharge time 10-14 seconds

Extinguisher Type	Fire Extinguishers - Carbon Dioxide (CO ₂)
Product Code	43-G3.5CO2
Rating	5B:E
Dimension	Height = 585mm, Diameter = 140mm



43-G3.5CO2

5.0kg Carbon Dioxide (CO₂) Fire Extinguisher

This aluminium cylinder is complete with hose & horn. Manufactured in Australia to AS/NZS 1841.6. Other features include stainless steel handles, brass valve and powder coated red cylinder.

Mass Charged = 11.5kg

Discharge time 13-16 seconds

Extinguisher Type	Fire Extinguishers - Carbon Dioxide (CO ₂)
Product Code	43-G5CO2
Rating	10B:E
Dimension	Height = 660mm, Diameter = 150mm



43-G5CO2

9.0 Litre AFFF Foam Fire Extinguisher

This extinguisher contains a concentrate mixed with water and is best suited for the fires that involve flammable materials and combustible liquids such as paper, textiles, wood, petrol, oil, paints, plastics and rubber. Features include stainless steel cylinder, stainless steel handles, brass valve and a powder coated red finish.

Mass charged = 14.4kg

Approved to AS/NZS 1841.4

Extinguisher Type	Fire Extinguishers - Foam (AFFF)
Product Code	43-G9LAFFF
Rating	3A:30B
Dimension	Height = 660mm, Diameter = 175mm



43-G9LAFFF

7.0 Litre Wet Chemical Fire Extinguisher

Especially designed for fat and oil fires (Class F), Muster's 7.0 Litre Wet Chemical extinguisher uses saponification agents to quickly kill the fire and stop re-ignition. It is able to do this by forming a thick layer on the fat or oil, turning it into a soap like substance. This extinguisher is also suitable for Class A fires (wood and paper). Features include stainless steel handles, stainless steel cylinder, brass valve and a powder coated red finish.

Mass charged = 14.4kg

Approved to AS/NZS 1841.3

Extinguisher Type	Fire Extinguishers - Wet Chemical (W/C)
Product Code	43-G7LWC
Rating	3A:4F
Dimension	Height = 660mm, Diameter = 175mm



43-G7LWC

9.0 Litre Air/Water Fire Extinguisher

Recommended for Class A fires (wood, paper, plastics, textiles, rubber and rubbish), the Muster 9.0 Litre Air/Water extinguisher acts to reduce the burning temperature so that the fire can be brought under control. It is important to remember that this type of extinguisher is not to be used on flammable and combustible liquids, electrically energised equipment and cooking oils and fats as this may enhance the fire. Features include stainless steel handles and cylinder, brass valve and powder coated red finish.

Mass charged = 13.9kg

Approved to AS/NZS 1841.2

Extinguisher Type	Fire Extinguishers - Air/Water
Product Code	43-G9LAW
Rating	3A
Dimension	Height = 660mm, Diameter = 175mm



43-G9LAW

Muster ABE Automatic & Mobile Fire Extinguishers

ABE Automatic Fire Extinguishers

Muster's 6kg & 9kg ABE automatic extinguisher's are set to activate at 79 degrees Celsius. Features include a steel cylinder and a powder coated red finish.

6KG ABE AUTOMATIC

Extinguisher Type	Fire Extinguishers - Automatic
Product Code	43-M6KGAuto79

9KG ABE AUTOMATIC

Extinguisher Type	Fire Extinguishers - Automatic
Product Code	43-M9KGAuto79



43-M6KGAuto79

ABE Mobile Fire Extinguishers

Muster's range of mobile/wheeled extinguishers is best used where a large amount of fire extinguishing agent is required. The ABE mobile extinguisher can be used on Class A, B, C and E fires. Features include stainless steel cylinder, ultra high UV powder coated red finish and a galvanised powder coated red trolley. The ABE Extinguishers are available in 30kg, 50kg, 70kg and 90kg sizes.

30KG ABE MOBILE/WHEELED

Extinguisher Type	Mobile - ABE
Product Code	43-M30ABEM

50KG ABE MOBILE/WHEELED

Extinguisher Type	Mobile - ABE
Product Code	43-M50ABEM

70KG ABE MOBILE/WHEELED

Extinguisher Type:	Mobile - ABE
Product Code:	43-M70ABEM

90KG ABE MOBILE/WHEELED

Extinguisher Type	Mobile - ABE
Product Code	43-M90ABEM



43-M90ABEM

Muster BE, CO₂ & AFFF Mobile Fire Extinguishers

50kg BE Mobile Fire Extinguisher

The Muster 50kg BE Mobile extinguisher is Best suited to Class B, C, E and F fires. It is useful on diesel fires, cooking oils and fats. Features include a stainless steel cylinder, ultra high UV powder coated finish and a galvanised red powder coated trolley.

Extinguisher Type	Mobile - BE
Product Code	43-M50BEM

45kg Carbon Dioxide (CO₂) Mobile Fire Extinguisher

Muster's 45kg CO₂ Mobile extinguisher is best suited for marine vessels. Features include a light steel cylinder, 1 inch NGT finish and an ultra high UV finish.

Extinguisher Type	Mobile - CO ₂
Product Code	43-M45C02M



43-M50BEM

43-M45C02M

Foam (AFFF) Mobile Fire Extinguishers

Muster's 30 Litre, 50Litre, 70 Litre and 90 Litre AFFF Foam Mobile Extinguishers are best suited to Class A and B fires. These fires include ordinary combustibles such as wood, paper, plastics, rubber and rubbish as well as flammable and combustible liquids such as petrol. They have a stainless steel cylinder, ultra high UV powder coated red finish and a galvanised red powder coated trolley.

30 LITRE FOAM (AFFF)

Extinguisher Type	Mobile - AFFF
Product Code	43-M30LAFFF

50 LITRE FOAM (AFFF)

Extinguisher Type	Mobile - AFFF
Product Code	43-M50LAFFF

70 LITRE FOAM (AFFF)

Extinguisher Type	Mobile - AFFF
Product Code	43-M70LAFFF

90 LITRE FOAM (AFFF)

Extinguisher Type	Mobile - AFFF
Product Code	43-M90LAFFF



43-M70LAFFF

Muster Portable Fire Extinguishers Accessories

Fire Blankets

A fire blanket is a safety device designed to extinguish small incipient (starting) fires. It consists of a sheet of fire retardant material which either completely surrounds a burning object or is placed over a burning object and sealed closely to a solid surface around the fire. Whether the blanket is placed on top, or surrounding it, the job of the blanket is to cut off the oxygen supply to the fire, thereby putting it out.

Product Code	43-FS100
Dimension	1.0m x 1.0m

Product Code	43-FS120
Dimension	1.2m x 1.2m

Product Code	43-FS128
Dimension	1.2m x 1.8m

Product Code	43-FS180
Dimension	1.8m x 1.8m



Location Signs

These signs are placed above Extinguishers when installed in and around buildings. Two types are available flat mount and 90 degree, both are made from plastic.

Product Code	43-SILS
	43-SILS-ANGLE



Extinguisher ID Signs

These signs are placed above Extinguishers when installed in and around buildings. The sign identifies the Extinguisher type and are all made from plastic.

Product Code	43-SABE for ABE
	43-SAF for FOAM
	43-SW for WATER
	43-SWC for WET CHEM
	43-SCO2 for CO ₂



Muster Portable Fire Extinguisher Accessories

Heavy Duty Vehicle Brackets - Black

Muster's Black powder coated heavy duty vehicle bracket to suit most 4.5kg or 9.0kg DCP fire extinguishers.

Bracket Type	Heavy Duty Vehicle Bracket - 4.5kg DCP
Product Code	43-WVBC45

Bracket Type	Heavy Duty Vehicle Bracket - 9.0kg DCP - Black
Product Code	43-WVBPC9



43-WVBC45

Over Centre Brackets

Muster's Heavy Duty Vehicle Bracket Over Centre Style will fit up to 4.5kg or 9.0kg Fire Extinguisher. The main feature of these brackets is the quick release handle which allows instant access to the extinguisher.

Bracket Type	Over Centre Bracket 4.5kg
Product Code	43-WVBOC45

Bracket Type	Over Centre Bracket 9.0kg
Product Code	43-WVBOC9



43-WVBOC45

UV Extinguisher Bags

Muster's Plastic extinguisher cover bags are thick large bags that suit 4.5kg, 6kg or 9kg extinguishers and are UV treated.

Clear with the words "fire extinguisher" on them.

Bracket Type	UV Extinguisher Bag - Large 6kg & 9kg
Product Code	43-WUVL

Bracket Type	UV Extinguisher Bag - Small 4.5kg
Product Code	43-WUVS

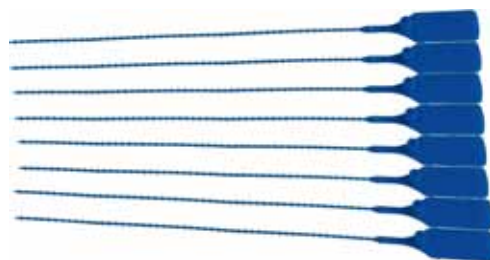


43-WUVL

9 inch Security Ties

Thick tamper proof seals

Product Code	31-SECTIE
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Service Punch

Maintenance punch (numbered 1 to 5)

Product Code	43-WPU
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Date Tag Metal

The Maintenance Date Tags are made from aluminium

Product Code	31-TESTTAG
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Date Tag Metal Split Ring

Maintenance Date Tag split ring to secure tag

Product Code	31-SECRING
---------------------	------------



Servicing Fire Extinguishers

Fire Extinguishers installed in all commercial, public and multi-occupancy residential buildings all need to be regularly inspected and tested. The inspection, test and maintenance procedures for fire extinguishers are specified in the Australian Standard AS 1851 "Maintenance of Fire Protection Systems and Equipment".

There are some key points that the general community and property owners should be aware of to ensure they receive the appropriate level of servicing.

Servicing Requirements

- All extinguishers have to be inspected every six months. When an extinguisher does not have a pressure gauge, they need to be weighed to make sure they are full.
- Extinguishers need to be replaced or emptied, pressure tested and refilled every five years.
- The test and servicing dates are to be recorded on a metal tag attached to the unit.
- As long as the extinguisher is in a serviceable condition then there is nothing else to be done, unless the gauge indicates the unit is under pressure or the weight is too low.
- Any additional work needed to be carried out must be approved by the client before being carried out.
- Extinguishers must be refilled if only partially discharged.

Servicing Personnel

- Servicing technicians need to identify themselves to a person responsible for the building before completing any work.
- Extinguisher servicing companies and their technicians have no authority to enforce legislation.
- The service personnel should sign off all necessary documentation and then explain what service work they are charging for.
- Small and large service companies carry out extinguisher servicing. Only in Queensland do the service technicians need to be licensed.
- There are courses in extinguisher maintenance available nationally. These courses are not relevant if the company is only supplying the pre-stamped new extinguisher.



Extinguishers need to be replaced if not charged



Make sure the Date Tag is stamped correctly



Signage must be installed and clear to read

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