








## Appendix 2 – Types of Fire Extinguishers





Before using a fire extinguisher read the instructions ensuring that it is appropriate to the type of fire. The four types of fire extinguishers most likely located in or near Campus Laboratories are:

- Carbon Dioxide Extinguisher;
- Foam Extinguisher;
- Water Extinguisher, and
- Wet-Chemical Extinguisher.

Please refer to the table below extracted from AS2444-2001 and Chubb.

Colour scheme - AS2444 Pre 1999    Post 1999		Class of Fire					NOTES <b>LIMITED</b> indicates that the extinguishant is the agent of choice for the class of fire, but that it will have limited extinguishing capability.  Class D fires (involving combustible metals) use only special purpose extinguishers and seek expert advice.  COMMENTS Refer to Appendix A of AS 2444
		A Wood, paper and plastics	B Flammable and combustible liquids	C Flammable gases	E Energised electrical equipment	F Cooking oils and fats	
Type of Fire Extinguisher	 Water	✓	✗	✗	✗	✗	Dangerous if used on flammable liquid, live electrical equipment and cooking oil/fat fires.
	 Wet Chemical	✓	✗	✗	✗	✓	Dangerous if used on electrical fires.
	 Foam	✓	✓	✗	✗	LIMITED ✓	Dangerous if used on electrical fires.
	 Powder AB(E)	✓	✓	✓	✓	✗	Special powders are available specifically for various types of metal fires (seek expert advice).
	 Powder B(E)	✗	✓	✓	✓	✓	Special powders are available specifically for various types of metal fires (seek expert advice).
	 Carbon Dioxide	LIMITED ✓	LIMITED ✓	✗	✓	✗	Generally not suitable for outdoor use. Suitable only for small fires.
	 Vaporising Liquid	✓	LIMITED ✓	LIMITED ✓	✓	✗	Check the characteristics of the specific extinguishant.

		<b>'A' TYPE FIRES ONLY</b> Paper, wood and plastics.  NOTE: Ensure you maintain a path of egress between you and the nearest exit.
		<b>'F' TYPE FIRES ONLY</b> Cooking Oils and Fats  NOTE: Use as a blanket to wrap around a human torch (ensure you replace after every use).

Extract - AS.2444-2001