

Fire Extinguishers

Industrial / Home

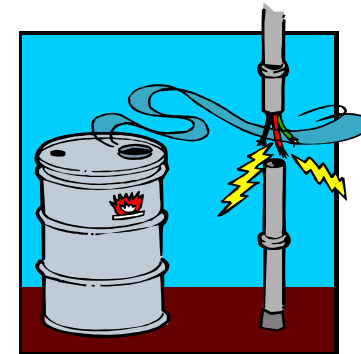


Objectives

- Identify the classification of types of fire as they relate to the use of portable extinguishers
- Identify the appropriate extinguishers and the application procedures for the various classes
- Extinguish Class A fires using the appropriate extinguisher

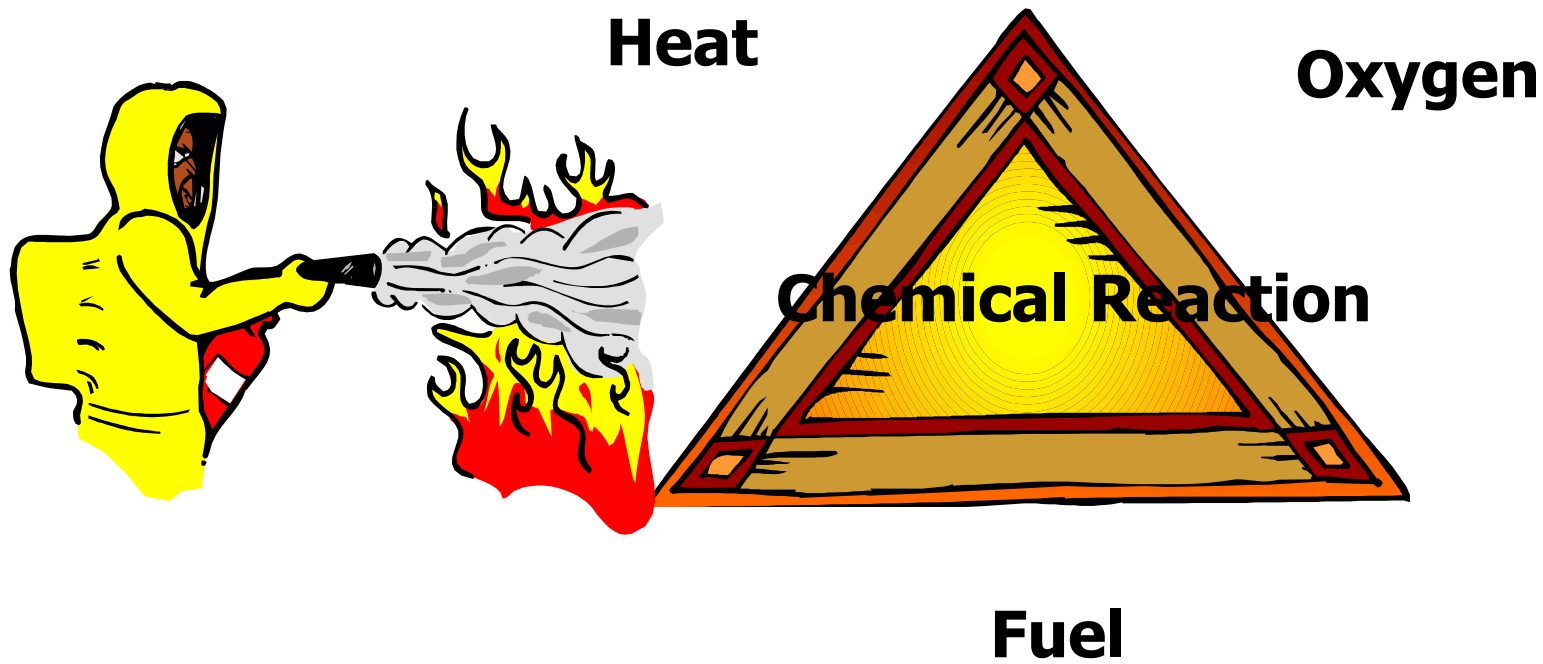
Classes of fires

- Class A fire = Ordinary combustibles
- Class B fire = Petroleum base
- Class C fire = Electrical
- Class D fire = Combustible metal

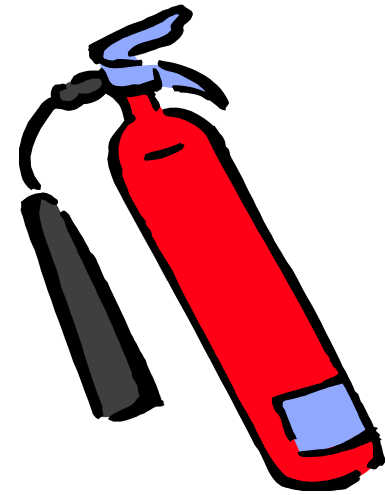
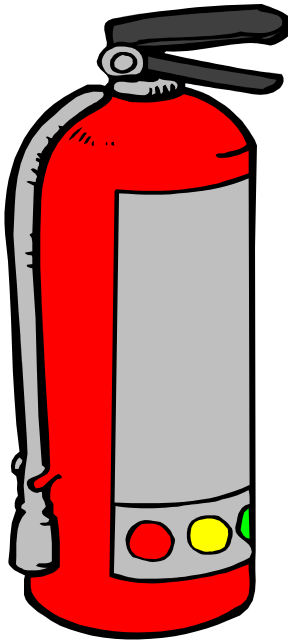




Fire Triangle

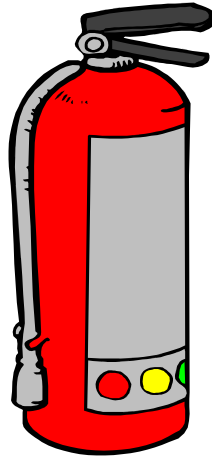


6 Types Of Extinguishers



Water Extinguishers

- Pump tank / stored pressure
- Reduces temperature



Foam extinguisher

- Use on class A&B fires
- Smothering and cooling





Halon

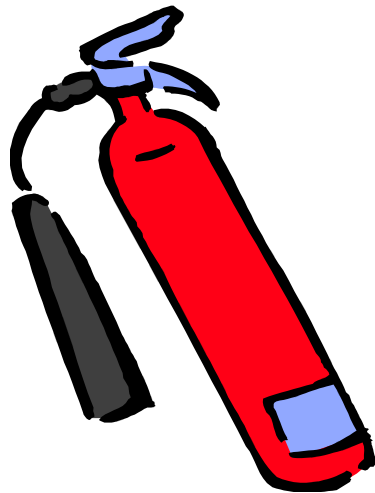
- B&C Fires
- Interrupts chemical chain reaction





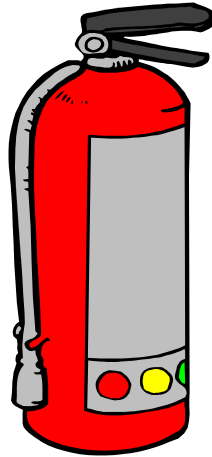
Carbon Dioxide

- Gas stored under pressure
- B&C fires
- Displaces oxygen



Dry chemical

- Multi-purpose A,B,C, fires





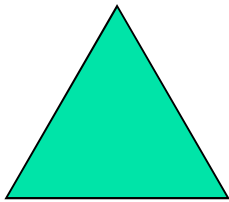
Dry powder

- Combustible metals
- Titanium
- Magnesium

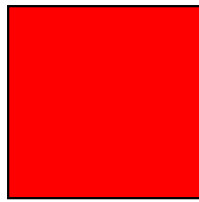




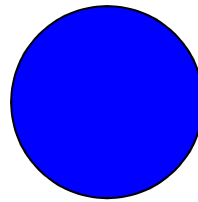
Labeling of fire extinguishers



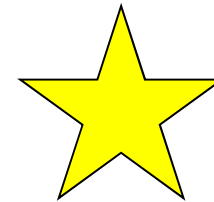
A
TRIANGLE



B
SQUARE



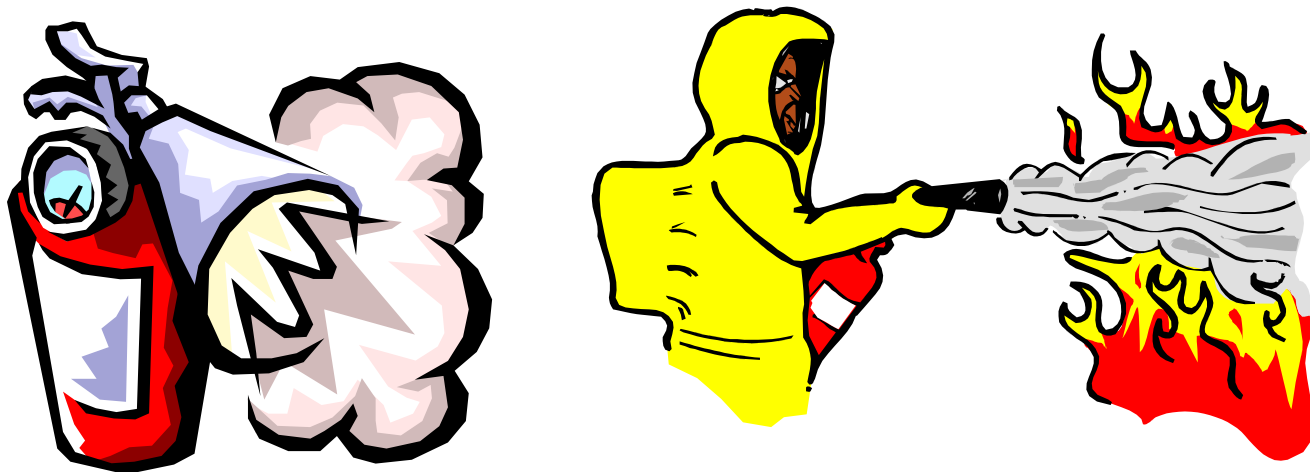
C
CIRCLE



D
STAR

Fire extinguisher operation

- P = PULL PIN
- A = AIM NOZZLE
- S = SQUEEZE HANDLE
- S = SWEEP AT BASE OF FIRE



Methods of application

