

SAMPLE



## Fire Extinguishers

*A Practical Guide to Types and PASS*

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# About This guide

## Introduction

Fire extinguishers are among the most important emergency tools in any workplace. When used correctly, they can stop a small fire from becoming a major disaster — but only if you know which extinguisher to use and how to operate it safely.

This guide has been prepared to help you clearly understand the different fire classes, the suitable extinguisher types for each, and the correct PASS technique for operation.

## How to Use This Guide

- Review the fire classes to learn which extinguisher type is suitable for each kind of fire.
- Study the PASS technique to understand how to operate extinguishers effectively and safely.

## Why This Matters

Having fire extinguishers in the workplace is not enough — knowing how, when, and which one to use can make the difference between a controlled situation and a life-threatening emergency.

This guide will help you build that practical knowledge so you can act confidently and correctly in the event of a fire, protecting yourself, your coworkers, and your workplace.

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# 1. Fire classes

Class	Fuel	Suitable Extinguishers		
A	 <p>Ordinary combustibles such as wood, paper, cloth, and rubbish</p>	 <p>Water</p>	 <p>Foam</p>	 <p>Dry Powder</p>
B	 <p>Flammable liquids like petrol, oil, or paint</p>	 <p>CO<sub>2</sub></p>	 <p>Foam</p>	 <p>Dry Powder</p>
C	 <p>Flammable gases such as propane or butane</p>	 <p>Dry Powder</p>		
D	 <p>Combustible metals such as magnesium or titanium</p>	 <p>Dry Powder (Class D)</p>		
F / K	 <p>Cooking oils and fats in kitchens</p>	 <p>Wet chemical</p>		

# About the Author



Khalid Ahmed is a Chartered Member of IOSH (CMIOSH) and a Member of the Chartered Institution of Water and Environmental Management (MCIWEM), with over 10 years of professional experience in Health, Safety, and Environment (HSE) practice and 7+ years in HSE training. Holding multiple industry-recognized qualifications—including M.Sc. in Safety, B.Sc. (Hons.) in Chemical Engineering, NEBOSH Environmental Diploma, NEBOSH International General Certificate, Level 3 Award in Education and Training, and ICDL—

Khalid has delivered safety training to diverse industries in the Middle East. His mission is to make safety knowledge clear, practical, and accessible for all workers and supervisors.