

CHANNEL

SAFETY SYSTEMS

Fire Blankets & Extinguishers



Fire accessories
from Channel Safety Systems



Fire Blankets & Extinguishers

Fire accessories

Under the Regulatory Reform (Fire Safety) Order 2005 all businesses, including rented properties, have to have a fire risk assessment and that an integral part of this assessment will be to provide some sort of fire fighting equipment.

All of our Fire extinguishers are BAFE approved, BS Kite marked and CE marked.

CO₂

CO₂ fire extinguishers use pure carbon dioxide to suffocate fire and leave behind no residue once the fire is extinguished. They were originally designed for class B fires, which are flammable liquid fires, such as oil, petrol and solvents, however, these days CO₂ extinguishers are mainly used for the fire fighting on live electrical equipment. They are often installed next to foam extinguishers in offices with computers.

Powder

Powder fire extinguishers, also called ABC powder or dry powder extinguishers are powerful and versatile and can be used for class A (burning solids), class B (burning liquids) and class C (burning gas) fires. They can not be used on fat fires and deep fat fryer fires, as their jet would spread the burning fat. They should also not be used in confined spaces (small kitchen or boat cabins), as the powder can easily be inhaled. The residue of the powder makes the clean up after a discharge very difficult.

Water

Water fire extinguishers are used on class A fires of solid combustible materials, such as wood, fabric and paper. The water penetrates burning materials to cool down the fire, which extinguishes the fire and stops it re-igniting. Near electrical equipment you should choose water fire extinguishers with additives, as these prevent electrocution. A new development are the 'dry' water mist extinguishers, which can be used on class A, B, C and F fires and are very easy to use. These can be installed in buildings, where extinguisher training of all residents/staff is not feasible, such as in HMOs etc. Dry water mist is suitable for A, B, C and F class fires.

Foam

Foam fire extinguishers are used on burning solids (Class A) and liquid fires (Class B), such as burning petrol. They are excellent in general office or home environments. The foam penetrates burning fabrics and solids and forms a cooling blanket of top of the fire. Foam extinguishers are widely used in office environments, as they offer a reasonably wide cover without the clean-up problem of a powder extinguisher.



Our fire blankets carry the British Standard Kite mark and have been tested and certified to the stringent requirements of BSEN 1869:1997.

Fire Blankets

Often overlooked a Fire Blanket is one of the most important fire protection appliances in the home.

It was the great British love affair with deep fried chips that led to home use of fire blankets, as they are extremely effective in smothering chip pan fires.

A fire blanket can now be found in many commercial situations, to combat fires in laboratories, to protect people, or even just to put out an accidental fire in a waste paper bin.

All homes should have a Fire Blanket and if you live in a rented house there really should be a Fire Blanket by Law.

Fire blankets are used to extinguish fires in the kitchen (cooking oil, fat pans, waste bins etc) and clothing fires. Covering with a fire blanket cuts the supply of oxygen to the contents of a pan or a person's clothing.



Fire Blankets can be used on Class A & B fires and works by smothering the fire. It may also be used to contain fire extinguisher media to improving its effectiveness when applied to a small fire in open conditions or extinguish clothing on fire etc.

- Always read the instructions before use, these will be contained within the packaging
- Once the fire blanket has been placed over a small fire - remove the source of ignition (i.e shut off or close down electrical power, gas or flames)
- Do NOT remove blanket for at least 30 minutes - call the fire brigade

CO₂ Extinguishers

There are two CO₂ Extinguishers to choose from; the 2kg CO₂ fire extinguisher and the 5kg CO₂ fire extinguisher

The 2kg CO₂ fire extinguisher is kite marked, ready for use and supplied with a wall mounting bracket. CO₂ extinguishers are primarily used in office environments and other areas with electronics to tackle fires involving electrical equipment.

The 5kg CO₂ fire extinguisher is suitable for using on electrical fires and has a 70B rating making it suitable for fires involving flammable liquids.

Features

- High quality product
- Supplied complete with wall bracket
- Brass valve assembly
- Coated steel levers
- Polyester external coating
- High Tensile Steel body
- BS EN3 Approved and CE marked
- Approved to the Pressure Equipment Directive



2 Kg Product Dimensions

- Height 575mm
- Cylinder diameter 104mm
- Overall width 163mm

5 Kg Product Dimensions

- Height 750mm
- Cylinder diameter 137mm
- Overall width 180mm

PRODUCT CODE	DESCRIPTION
F/EXT/2KG/CO2	2Kg CO ₂ steel extinguisher
F/EXT/5KG/CO2	5Kg CO ₂ steel extinguisher

SPECIFICATIONS		
Capacity	2Kg	5Kg
Fire Rating	34B	70B
Filled Weight (Kg)	6.4	14.4
Duration of Discharge (sec)	≥ 6	≥ 9
Service Pressure (at 20°C)	174 Bar	
Temperature Range (°C)	-30°C to +60°C	



6 Litre Product Dimensions

- Height 553mm
- Cylinder diameter 162mm
- Overall width 224mm

9 Litre Product Dimensions

- Height 623mm
- Cylinder diameter 184mm
- Overall width 285mm

PRODUCT CODE	DESCRIPTION
F/EXT/6LT/W	6 Litre water spray extinguisher
F/EXT/9LT/W	9 Litre water spray extinguisher

Water Extinguishers

There are two Water fire extinguishers to choose from and both are economical and good quality with a 13A rating. With a kite mark to BS EN3 and CE approval. All of our extinguishers are supplied with brackets, designed to allow the wall mounting of your extinguisher.

Features

- Kite marked to BS EN3
- High quality product
- Complete with wall bracket
- Nickel plated brass valve assembly
- Coated steel levers
- Polyester external coating
- Easy gauge testing (with needle test)
- Approved to the Pressure Equipment Directive
- Passed the 35kv conductivity discharge test

SPECIFICATIONS		
Capacity	6 Ltr	9 Ltr
Fire Rating	13A	13A
Filled Weight (Kg)	9.5	≥ 15.4
Duration of Discharge (sec)	20	≥ 15
Range of throw (M)	≥ 6	≥ 4
Working Pressure (at 20°C)	12 Bar	
Temperature Range (°C)	+5°C to +60°C	0°C to +60°C

Powder Extinguishers

With the choice of 3 different sizes of Powder fire extinguishers they are all economical and good quality with a kite mark to BS EN3 and CE approval these extinguishers are great value for money. All of our extinguishers are supplied with brackets, designed to allow the wall mounting of your extinguisher.

Features

- High quality product
- Supplied with plastic skirt to prevent damage to extinguisher base
- Complete with wall bracket
- Nickel plated brass valve assembly
- Coated steel levers
- Polyester external coating
- Easy gauge testing (with needle test)
- BS EN3 approved and CE marked
- Approved to the Pressure Equipment Directive



SPECIFICATIONS			
Capacity	2Kg	6Kg	9Kg
Fire Rating	13A 70B	27A 144B	34A 233B
Filled Weight (Kg)	3.6	9.8	13.7
Duration of Discharge (sec)	≥9	≥15	≥15
Range of throw (M)	≥3	≥4	≥5
Working Pressure (at 20°C)	14 Bar		
Temperature Range (°C)	-30 to +60		

Product Dimensions

- | | | |
|--------------------|--------------------|--------------------|
| 2 Kg | 6 Kg | 9 Kg |
| • Height 374mm | • Height 535mm | • Height 595mm |
| • Width 141mm | • Cylinder Ø 150mm | • Width 237mm |
| • Cylinder Ø 111mm | • Width 221mm | • Cylinder Ø 184mm |

PRODUCT CODE	DESCRIPTION
F/EXT/2KG/DP	2Kg ABC powder extinguisher
F/EXT/6KG/DP	6Kg ABC powder extinguisher
F/EXT/9KG/DP	9Kg ABC powder extinguisher

Foam Extinguishers

All 3 of the Foam fire extinguishers have passed the 35kv conductivity discharge test. Supplied complete with a wall bracket, the extinguisher is compact and lightweight, making it easy to lift, hold and discharge in the event of an emergency.

Features

- Kitemarked to BS EN3
- High quality product
- Complete with wall bracket
- Nickel plated brass valve assembly
- Coated steel levers
- Polyester external coating
- Easy gauge testing (with needle test)
- Approved to the Pressure Equipment Directive
- Passed the 35kv conductivity discharge test
- Our "service free" sealed unit gives 10 years of service free life



SPECIFICATIONS			
Capacity	2 Ltr	6 Ltr	9 Ltr
Fire Rating	8A 55B	13A 144B	21A 183B
Filled Weight (Kg)	3.5	≥ 10.5	≥ 15.4
Duration of Discharge (sec)	18	≥ 15	≥ 15
Range of throw (M)	≥2	≥ 3.5	≥ 4
Working Pressure (at 20°C)	12 Bar		
Temperature Range (°C)	+5°C to +60°C	0°C to +60°C	0°C to +60°C

Product Dimensions

- | | |
|--------------------|--------------------|
| 6 Litre | 9 Litre |
| • Height 551mm | • Height 623mm |
| • Width 238mm | • Width 285mm |
| • Cylinder Ø 160mm | • Cylinder Ø 184mm |

PRODUCT CODE	DESCRIPTION
F/EXT/6LT/F/SF	6 Litre 10 year service free life extinguisher
F/EXT/6LT/F	6 Litre AFFF foam extinguisher
F/EXT/9LT/F	9 Litre AFFF foam extinguisher

Fire Blankets

Suitable for smothering and extinguishing fires in homes kitchens schools hospitals laboratories offices and factories. Environmentally friendly water-based coating. The suppleness and strength of the blanket ensures user confidence as it is well insulated yet easily drapes over the fire.

Full traceability through individual blanket batch numbering. Flush end caps for easy cleaning. All blankets comply with the latest European Standard BS EN 1869:1997 which supersedes the British Standard BS 6575:1985.

Features

- 200 gram cloth ensures flexibility and durability
- The suppleness and strength of the blanket ensures user confidence as it is well insulated, yet easily drapes over the fire
- Full traceability through individual blanket batch numbering
- Flush end caps for easy cleaning
- Hinged cap with security seal option avoids blankets being tampered with
- Production is made under quality management system ISO 9001:2000 ensuring strict quality control procedures are met
- All blankets comply with BS EN 1869:1997 and are BSI kite marked.



PRODUCT CODE	DESCRIPTION
F/CHFB/RD1/EN	1.0m x 1.1m slim pack - red fire blanket
F/CHFB/RD3/EN	1.2m x 1.2m slim pack - red fire blanket
F/CHFB/RD4/EN	1.8m x 1.2m slim pack - red fire blanket

Fire Classes

Fire blankets and extinguishers are rated in their ability to fight different classes of fires. Their fire fighting capability is thus indicated by letters for fire classes and a number which stands for the strength of the extinguisher in fighting this class. The higher the number, the more powerful the extinguisher is.



Class A Fires: Solid combustibles, such as wood, paper, textiles



Class D Fires: Flammable metals, such as magnesium swarf



Class B Fires: Flammable liquids, such as petrol, diesel and paraffin



Class F Fires: Cooking fats, such as deep fat fryers oils



Class C Fires: Flammable gases, such as LPG and natural gas







Class E Fires: Fires involving electrical equipment

'Don't be afraid of fire' **FREE DESIGN SERVICE***

Fire Alarm - Emergency Lighting - Assistance

Channel Safety Systems offers a complete Design, Supply & Commissioning service:-

-  Fire Alarm. To BS.5839. Part 1 2013
-  Emergency Lighting. To BS. 5266. Part 1 2011
-  Nurse Call Systems
-  Disabled Refuge Systems

Channel Safety Systems provide a dedicated design, supply and commissioning service for Emergency Lighting, Fire Alarm and Assistance. We offer the Contractor and Wholesaler a comprehensive service.

With over 35 years' experience working within these sectors, Channel's knowledge base is extensive and is an invaluable resource for our customers. As Industry standards are ever-changing, we make it our mission to keep abreast of regulatory and legal changes that affect our clients.

As our Project Sales Engineers and Service Engineers are based across the UK, we offer a fast and efficient service for design, site surveys, project management and all commissioning and maintenance services requirements. All our external team members are fully qualified to 'sign off' designs and Channel maintains all the relevant insurance policies which means the legal onus is on us, not the contractor.

* The design service is free on the basis of receipt of order on contract award