



BRITANNIA FIRE

P50 Composite Fire Extinguisher: Everything Made Simple.



SCAN TO SEE THE
FULL P50 RANGE



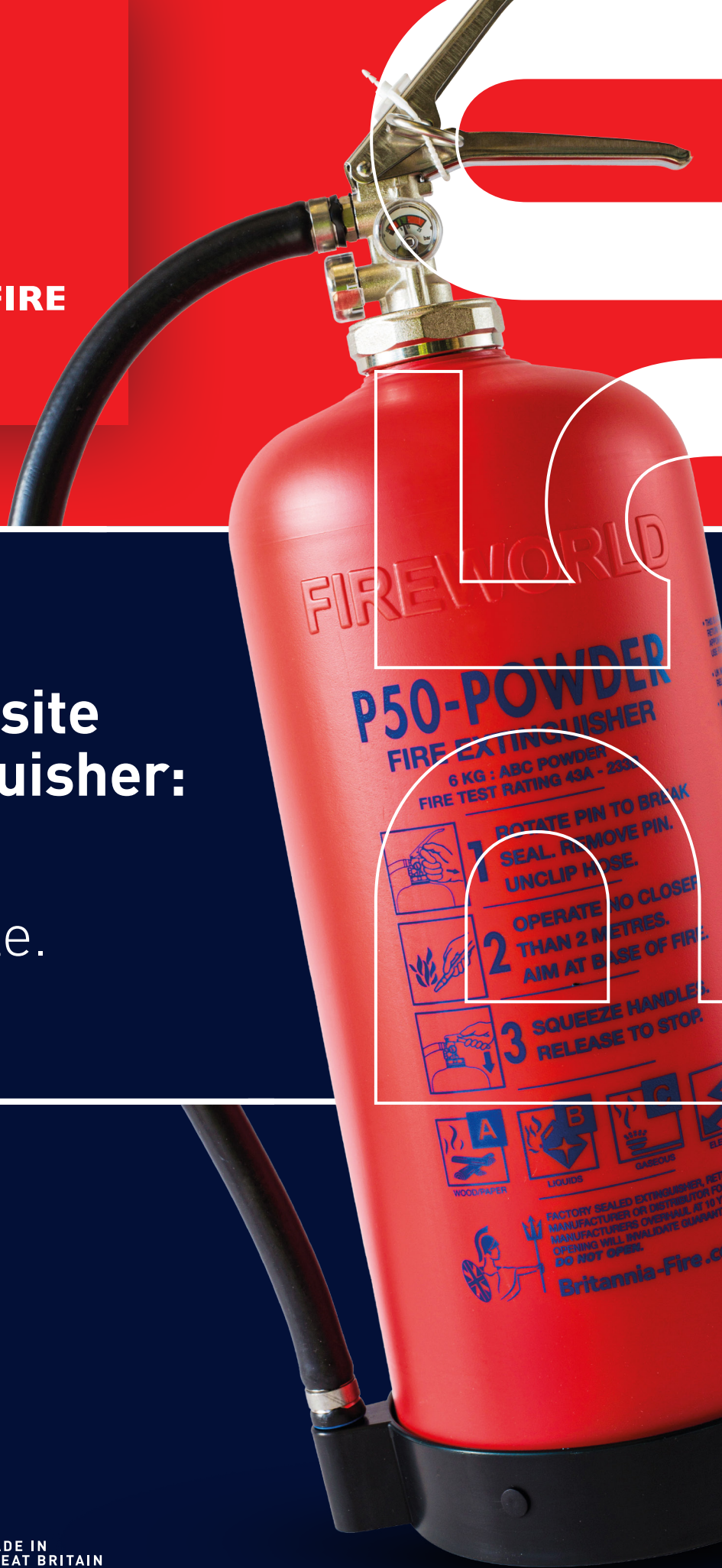
PATENTED



OVER 50 YEARS
MANUFACTURING



MADE IN
GREAT BRITAIN



The P50 Models

Quality is our ultimate goal across the entire range, making it easy for the end user to operate and reducing the risk of incorrect application.

There are four types of P50 extinguisher providing advanced fire protection to cover most fire risks in one simple, easy and affordable solution. The four types of P50 are:

P50 Water Mist

The de-ionised water mist fire extinguisher is an environmentally friendly option for small carbonaceous and fat fire risks. It has an innovative nozzle to allow the water to disperse in a mist and leaves little to no residue on the clean up which reduces further damage to equipment. Operational temperature range from +5c to +60c and safe for use on live electrical equipment up to 1000V at a distance of 1m.

P50 Fluro Free Foam

The Fluro Factant Free Foam fire extinguisher has excellent fire fighting capabilities making it effective on Class A materials, wood, paper and textiles and Class B fires fuelled by paints, solvents, oils and petrochemical products. The unit has also passed the EN3 test for use on live electrical equipment up to 1000V at a distance of 1m. Operational temperature range from +5°c to +60°c. Frost protection to -5°c is available.

P50 ABC40 Powder

The ABC40 Powder fire extinguisher is designed to be installed in areas where there are a variety of fire hazards and where fast extinguishing is required. ABC40 Powder fire extinguishers can tackle fires on Class A materials, wood, paper and textiles, Class B fires, those fuelled by oils, paints, solvents and petrochemical products as well as on Class C flammable gas fires. It is safe to use on live electrical equipment up to 1000 volts at a distance of 1m. Operational temperature range from -20°c to +60°c.

P50 F Class (wet chemical)

The formulation of the chemical in this F Class extinguisher is based on nitrogenated derivatives and ammonium salts of phosphoric acid and hydrocarbon and fluorinated surfactants in aqueous solution. The extinguisher medium forms a seal on the surface preventing re-ignition.

Model	Type	Capacity	Fire Class	Temperature Range	Weight (kg)	Fire Ratings
P50WM2	Water Mist	2ltr	A, F & Electrical	+5° to + 60°C	2.7	8A, 5F
P50WM	Water Mist	6ltr	A & Electrical	+5° to + 60°C	8.25	13A
P50F2	Foam	2ltr	A, B & Electrical	+5° to + 60°C	2.8	8A, 55B
P50UFF	Foam	6ltr	A, B & Electrical	+5° to + 60°C	8.5	27A, 144B, 25F
P50SFF	Foam	6ltr	A, B & Electrical	+5° to + 60°C	8.5	34A, 13B*
P50F9	Foam	9ltr	A, B & Electrical	+5° to + 60°C	11.7	43A, 233B
P50P2	Powder	2kg	A, B, C & Electrical	-20° to + 60°C	2.74	13A, 55B
P50P	Powder	6kg	A, B, C & Electrical	-20° to + 60°C	8.5	43A, 233B
P50P9	Powder	9kg	A, B, C & Electrical	-20° to + 60°C	11.7	55A, 233B
P50FC	F-Class	6ltr	F & Electrical	+5° to + 60°C	9.08	75F

**suitable for spillage fires, witnessed by BSI*

Long-Life Performance Guaranteed

Manufactured with over 50 years' experience, the P50 is BSI Kitemark, EN3, PED, and MED approved. Each and every P50 comes with a:

- **20-year** life cycle
- **10-year** operational corrosion guarantee
- **10-year** manufacturing faults and workmanship guarantee
- **Patented Design**



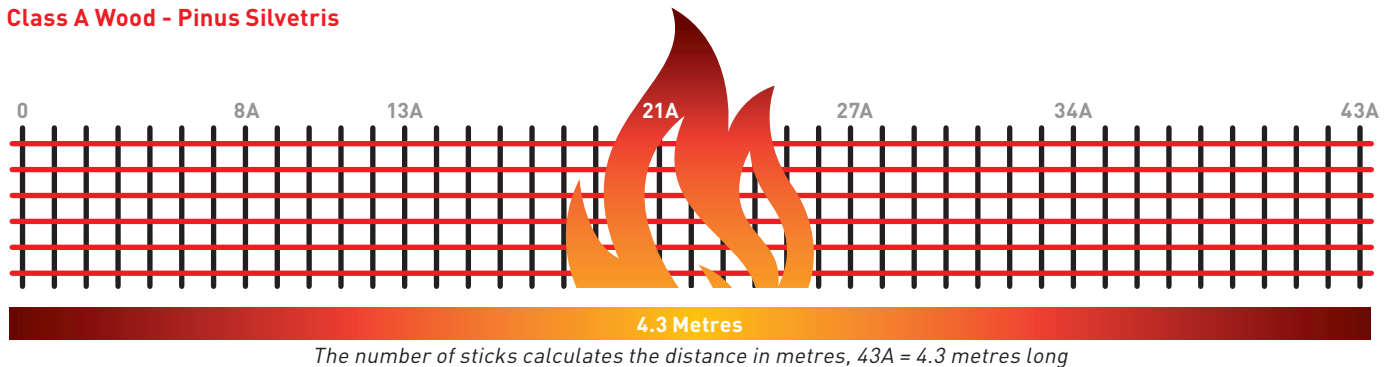
EN3 Fire Rating Guide

The P50 extinguishers are tested at Britannia Fire's test facilities, witnessed by the European inspection authority Apragaz and BSI.

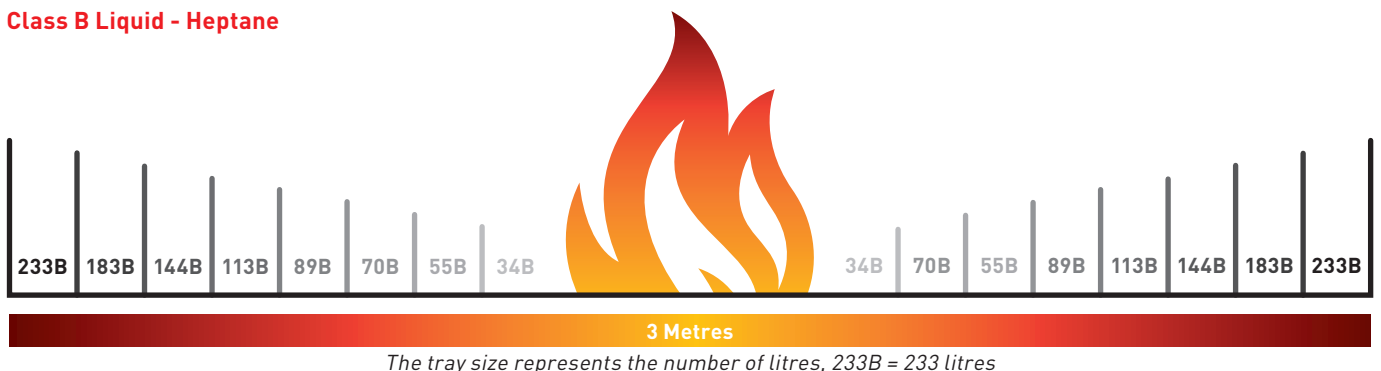
The extinguishers are approved under EN3 with additional testing to the EN composite gas cylinder regulations.

- **A 12,000 cycle test** is 0 to 25 Bar, 12,000 times, after which the unit must complete the crush and burst tests to a minimum of 55 Bar.
- The drop test comprises of a complete extinguisher (**pressurised to 22 Bar**) which is dropped from a height of **3 metres with no discharge of gas or contents**.
- The fire resistance test requirement is for the extinguisher to be suspended over a **wooden crib and a tray of heptane placed underneath to light the crib. Once alight there must be no rupture of the body for 2 minutes**.
- The P50 is charged with 5% helium and 95% nitrogen and leak tested to a level of **1/2 bar over 11 years**.

Class A Wood - Pinus Silvetris



Class B Liquid - Heptane

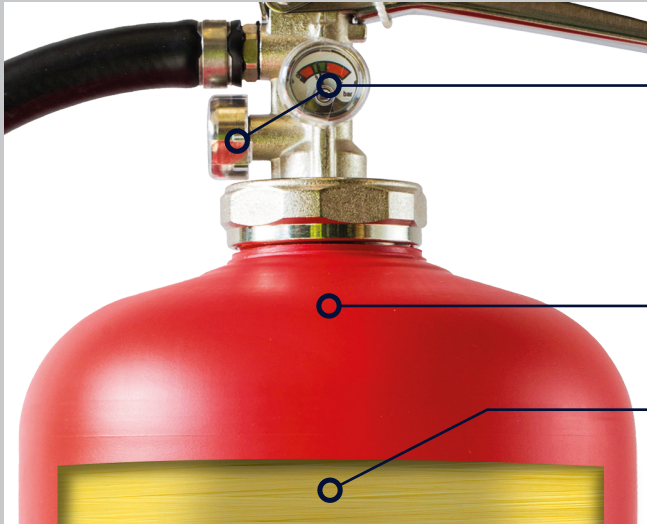


Leading Fire Technology

Britannia's unique P50 fire extinguishers employ the design technology of composite materials pioneered across many industries.

The main construction of the P50 is High-Density Polyethylene with an Aramid fibre material wound onto the inner cylinder, it is strong and incredibly light. The Aramid fibre type material is also used in butane/ propane gas bottles, towing ropes, bulletproof vests, fire-proof gloves and many other products.

British-made, the P50 extinguishers incorporate three patented elements - the weave, blow moulded inner body and a locking neck ring. The outer body is UV protective. The operational valve has double pressure indicators to ensure cross calibrating.



Indicators

There are 2 indicators giving a double check on pressure. Each indicator can be checked with a magnet to ensure pressure is accurate.

UV protective outer casing

Aramid fibre Kevlar®

Aramid fibre Kevlar® type material wound on inner bottle for super strength

Simple In-House Annual Inspection

The extinguisher maintenance programme is a simple process which staff members can easily carry out.

- If an indicator is in the **RED** segment return to manufacturer or appointed distributor.
- Check the tamper seal is in place. If tamper seal is missing, contact manufacturer or distributor.
- Remove any dust with a clean cloth. Turn upside down to inspect base and locate testing magnet.
- Check both indicators with a magnet to confirm operation.
- Moving magnet from side to side needle should move then return to **GREEN** segment. Return magnet to base.
- Check date is within 10 year operational lifespan (colour coded stud in base gives year of manufacture).

At 10 years return to manufacturer or distributor for manufacturers overhaul to extend the lifespan by a further 10 years.

- Record yearly inspection date into logbook and mark extinguisher body with permanent marker pen.



A Greener Future

Continually inventing to save lives and the environment.

The P50 offers a **greener, lighter, stronger and safer alternative** to traditional extinguishers.



Less Energy to manufacture

We use less energy to manufacture and recycle the P50, generating a much lower carbon footprint than equivalent steel extinguishers.



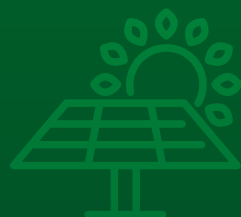
Recyclable

Every element of the P50 can be re-used or recycled (other than foam contents).



Lower Carbon footprint

The P50 helps to contribute to less vehicles on the road by not needing service engineers to visit, in turn this completely eliminates the service engineer's carbon footprint and helping the environment.



Solar Power

Most of the power used to manufacture the P50 comes from our in house Solar panels.

Simple, Easy, Affordable

Designed and manufactured from concept to product, the P50 protects industrial, domestic, retail, petrochemical and marine properties

Unlike traditional fire extinguishers, this multi-class fire extinguisher is suitable for use on carbonaceous materials, flammable liquids and is also safe for use on electrical fires.



Installed to:

Heathrow Airport, London Ambulance Service, British Embassy, Conoco Phillips, Ladbrokes Betting, UBS Bank, Universities, NHS Hospitals and many more!

Exported to:

Germany, Netherlands, Switzerland, Greece, India, UAE, Australia, Malaysia, Indonesia, Nigeria, Somalia.



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