P50

P50 Composite Extinguisher
The New Generation

Britannia Fire
Proudly manufacturing P50
in Great Britain since 2010

1970 - 2018
CELEBRATING
48
YEARS OF FIRE PROTECTION EXCELLENCE

BSI KITEMARK
30
YEARS AWARD

BRITANNIA FIRE

www.britannia-fire.co.uk

The most technologically advanced fire extinguisher

The P50 Composite Extinguisher

- 10 year operational corrosion guarantee
- 10 year quality assurance on material defects and workmanship
- 20 year life cycle
- No service contract required
- Requires only one manufacturers overhaul at 10 years
- A yearly visual maintenance inspection, checking indicators with the magnet
- Recyclable
- Super strength Aramid (Kevlar®) type material yarn
- Lightweight for ease of operation
- Kitemark, PED, MED and EN3 approved
- Manufacturer ensures safe disposal of contents when required
- Outer jacket is UV stable for weather colour protection
- QA laser serial number on outer casing
- Operating valve - nickel plated brass with stainless steel handle
- Multi class fire ratings
- World recognised patented design

Leading the World in Fire Technology

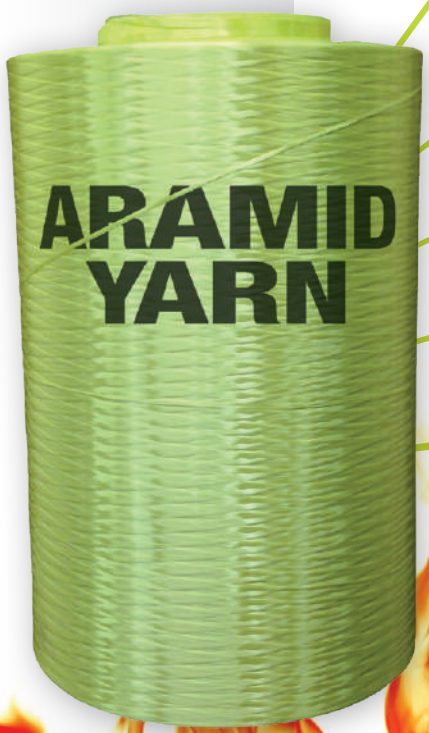
Britannia's unique P50 foam and powder fire extinguishers employ the design technology of composite materials pioneered by the aerospace and motor racing industries.

The main construction of the P50 is a High-Density Polyethylene Aramid fibre (Kevlar®) type material woven onto the body, it is strong and incredibly light. The Aramid fibre type material is also used in butane/propane gas bottles, towing ropes, bullet-proof 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.

10 Year Quality Assurance 10 Year Corrosion Guarantee

P50 Certification Approved in Many Countries:



QUALITY 10 YEAR ASSURANCE

LIFE CYCLE 20 YEAR LIFE CYCLE

Manufactured in Great Britain

APRAGAZ

LPCB LOSS PREVENTION CERTIFICATION BOARD

UKAS PRODUCT CERTIFICATION 0007

EN3-7 LPCB cert ref. 1193a

EN3

0029/2017

CE 0029

bsi. Portable Fire Extinguishers KITEMARK™

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

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

UV protective outer casing

Operational Safety

The powerful P50 will reduce the number of extinguishers required on your premises as it covers multiple risks. Multi-risk extinguishers avoid confusion in a panic situation.

The P50 Models / Fire Ratings

	Size Capacity	Contents	Standard Part No.	Marine Part No.	Types of Fire	Fire Rating	Filled Weight	Height (mm)	EN3 Approved
Foam	2ltr	BSX ASX	P50F2	P50F2M	ABE	8A/55B	2.8	410	Yes
Powder	2kg	ABC40	P50P2	P50P2M	ABCE	13A/55B	2.74	410	Yes
F-Class	6ltr	Ecodare F Foam	P50FC	n/a	F	75F	9.08	570	Yes
Foam	6ltr	BSX ASX	P50F	P50FM	ABE	34A/183B	8.5	570	Yes
Powder	6kg	ABC40	P50P	P50PM	ABCE	43A/233B	8.5	570	Yes
Foam	9ltr	BSX ASX	P50F9	P50F9M	ABE	43A/233B	11.7	640	Yes
Powder	9kg	ABC40	P50P9	P50P9M	ABCE	55A/233B	11.7	640	Yes
Powder	9kg	Monnex	P50MO9	P50MO9M	BCE	233B	11.7	640	Pending

P50 fire fighting products

New Generation

Britannia Fire has chosen to provide four types of P50 extinguisher. Foam, Powder, F Class (Wet Chemical) and Monnex. High fire ratings give very advanced fire protection covering all risks.

P50 BSX ASX 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 F Class

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.

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.

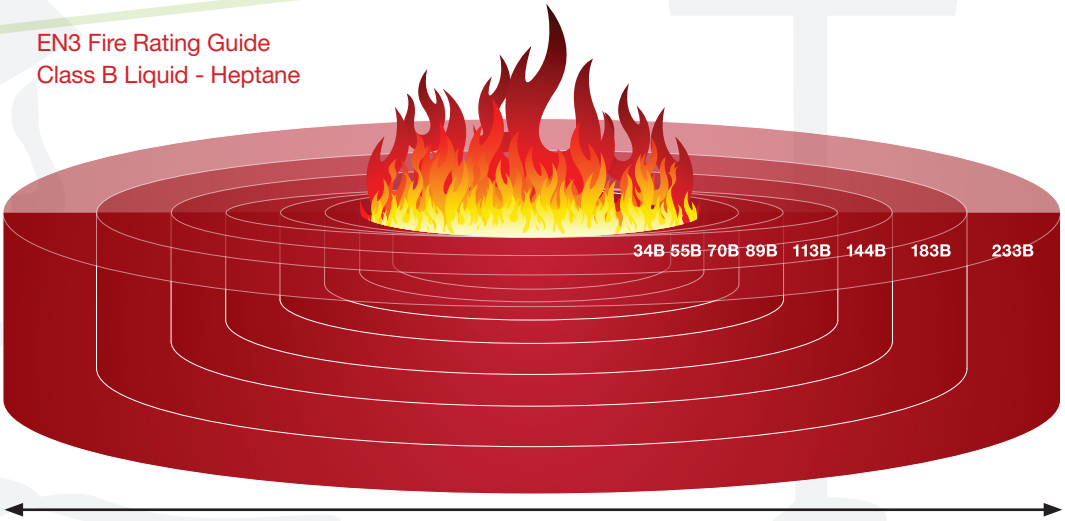
P50 Monnex

Monnex is based on a Potassium bicarbonate - urea complex. The extinguishing powder interferes with the chemical reactions and the fire is extinguished. In the combustion zone Monnex powder explodes breaking into smaller particles which dramatically increases the surface area of the powder. Monnex Powder is safe to use on live electrical equipment up to 1000 volts at a distance of 1m and will extinguish Class B flammable liquids fire and Class C flammable gas fires. Operational temperature range from -20°c to +60°c.

EN3 Fire Rating Guide
Class A Wood - Pinus Silvestris

The number of sticks calculates the distance in metres, 43A = 4.3 metres long

EN3 Fire Rating Guide
Class B Liquid - Heptane



The tray size represents the number of litres, 233B = 233 litres

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

Simple In-House Annual Visual 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.
- Remove any dust with a clean cloth. Turn upside down to inspect base and locate testing magnet.
- 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.
- Check the tamper seal is in place. If tamper seal is missing, contact manufacturer or distributor.
- 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.
- Record yearly inspection date into logbook and mark extinguisher body with permanent marker pen.

P50 Standard - Magnetic pressure test

Marine Model

P50 Marine has a Schrader valve fitted allowing easy refilling on-board vessels. (Only one pressure indicator on the marine model).

P50 Marine Schrader Valve for refilling

P50 Performance +++

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, (safe venting is allowed).
- The leak test carried out with helium ensures leaking is down to a level of ½ Bar over 11 years.

Discover how to save money with the P50 fire extinguisher

Benefits of the P50

The P50 extinguisher range represents a new and improved generation of fire extinguishers. With massive cost saving benefits, reduced weight and lower environmental impact, P50 extinguishers provide the first truly sustainable option whilst also offering enhanced performance and financial benefits.

No need for annual engineer service

The main expense in relation to fire extinguisher provision is not the initial purchase price, but the cost of paying a third party to maintain the equipment. P50 fire extinguishers enable your business or organisation to carry out your own maintenance with a simple annual visual inspection, giving substantial savings year after year.

10 year operational corrosion guarantee

10 year Quality Assurance
P50 fire extinguishers are manufactured in the UK to the very highest standards. The exceptional quality of our products allows us to offer an industry leading 10 year quality assurance on material defects and workmanship across the entire P50 range with absolute confidence.

Free site survey

All P50 fire extinguishers are supplied with a **FREE** site survey and installed by our fire extinguisher technicians. This will ensure that you have the correct level of coverage and that your new extinguishers are installed correctly to stand the test of time. In most cases you will see a reduction in the amount of extinguishers required.

Kitemarked by BSI

The complete range of P50 fire extinguishers has been manufactured to the highest quality, many approved under the Kitemarked scheme by the British Standards Institute to the globally acknowledged manufacturing standard BS EN3.

Free replacement guarantee

To further enhance the cost saving benefits of P50 fire extinguishers we promise to provide FREE replacements for any extinguishers discharged fighting a genuine fire. Simply contact us with a valid fire incident number and details of the incident.

10 year overhaul

P50 fire extinguishers need to be factory refurbished after 10 years to extend their lifespan by a further 10 years.

Calculate

Calculate how much you can save by removing the service annual requirement/ contract. Call one of our sales team on: +44 (0)1508 488416

Made in Great Britain

BRITANNIA FIRE

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