

P50 Composite Extinguisher



Increased protection – reduced costs

The power behind **your mission**



P50 Marine Schrader valve for refilling



P50 Marine – Magnetic pressure test

Simple in-house annual visual inspection

The extinguisher maintenance programme is a simple process that crew members can easily carry out.

- If an indicator is in the **red**, top up unit to correct working pressure.
- 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). After 10 years, return to manufacturer or distributor for manufacturer 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 indicator with a magnet to confirm operation. When moving magnet from side to side the needle should move then return to the **green** segment. Return magnet to base.
- Record yearly inspection date in logbook and mark extinguisher body with permanent marker pen.

P50 Marine

P50 Marine has a Schrader valve fitted to allow for easy refilling onboard vessels using additional accessories.


P50 performance +++

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

- 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 consists of a complete extinguisher (pressurised to 22 Bar) being 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 placed on a wall bracket, with 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 two 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.

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 manufacturer overhaul at 10 years
- A yearly visual maintenance inspection checks indicators with a magnet to support cost savings
- Recyclable 
- Super-strength Aramid (Kevlar®) material yarn
- Lightweight for ease of operation
- Kitemark, PED, MED, and EN3 approved
- Manufacturer ensures safe disposal of contents where required
- UV protection of the outer casing
- QA laser serial number on outer casing
- Operating valve – nickel-plated brass
- ABC multi-class rating
- World-recognised patented design

Leading the world in fire technology

The unique P50 foam and powder fire extinguishers use 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®) material that is woven onto the body. This material 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, the blow-moulded inner body, and a locking neck ring. The outer body is UV-protected. The operational valve has double pressure indicators to ensure cross-calibrating.

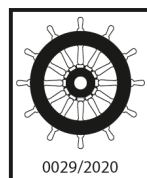
10-year quality assurance 10-year corrosion guarantee



P50 certification approved in many countries:



EN3



The indicator can be checked with a magnet to ensure pressure is accurate



Aramid fibre Kevlar® material woven on to inner bottle for increased strength



UV-protective outer casing



Operational Safety

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

The P50 Models/Fire Ratings

	Size Capacity	Contents	Marine Part No.	Types of Fire	Fire Rating	Filled Weight	Height (mm)	EN3 Approved
Foam	2ltr	BSX ASX	P50F2M	ABE	8A/55B	2.8	410	Yes
Powder	2kg	ABC40	P50P2M	ABCE	13A/55B	2.74	410	Yes
Foam	6ltr	BSX ASX	P50FM	ABE	34A/183B	8.5	570	Yes
Powder	6kg	ABC40	P50PM	ABCE	43A/233B	8.5	570	Yes
Foam	9ltr	BSX ASX	P50F9M	ABE	43A/233B	11.7	640	Yes
Powder	9kg	ABC40	P50P9M	ABCE	55A/233B	11.7	640	Yes

Tyco firefighting products

New generation

Tyco supplies six types of P50 extinguishers in the form of foam and powder. High fire ratings provide advanced fire protection that cover all risks.

P50 BSX ASX foam

The Fluoro Factant Free Foam fire extinguisher has excellent firefighting capabilities. This makes it effective on Class A materials, wood, paper and textiles as well as 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 1,000 volts at a distance of one metre. The operational temperature range is 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. It is also effective on Class B fires 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 1,000 volts at a distance of one metre. The operational temperature range is from -20°C to +60°C.

EN3 Fire Rating Guide

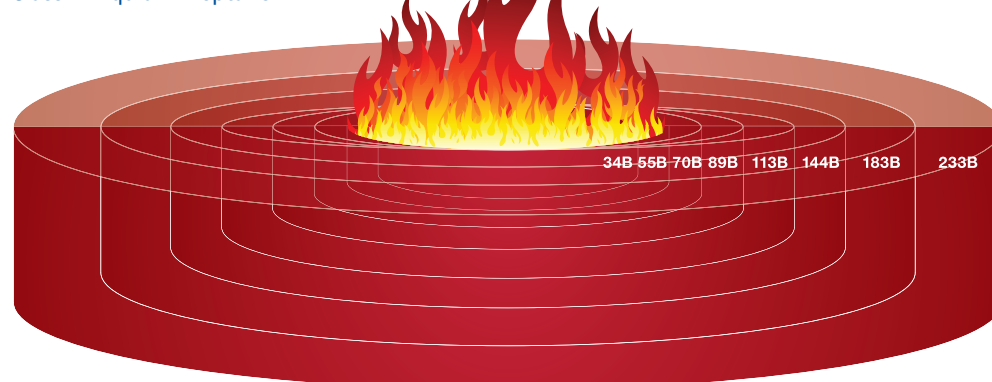
Class A Wood – Pinus Silvestris



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

EN3 Fire Rating Guide

Class B Liquid – Heptane



3 metres

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

Save time and money with the P50 fire extinguisher

P50 benefits

The P50 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 while 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, which results in substantial savings year after year.

10-year operational corrosion guarantee

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.

Kitemarked by BSI and MED approved

The complete range of P50 fire extinguishers has been approved under the Kitemarked scheme by the British Standards Institute to the globally acknowledged manufacturing standard BS EN3, and is also approved by the Marine Equipment Directive (MED).

10-year overhaul

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

No annual costs

Calculate how much you can save by removing the costs of your annual service requirement/contract.

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