



BRITANNIA FIRE



P50-AVD 6ltr Aqueous Vermiculite Dispersion (AVD) agent

Aqueous Vermiculite Dispersion (AVD) fire extinguishing agent is a revolutionary, tested and certified technology specifically designed for lithium-ion battery fires. Lithium-ion batteries have revolutionised modern life, powering everything from smartphones, e-scooters, and providing Energy storage solutions for large applications. AVD is also effective on Class A materials fuelled by wood, paper and textiles. The extinguisher has also passed the test for use on live electrical equipment up to 1000V at a distance of 1m. This fire extinguisher has an operational temperature range from +5°C to +60°C.

Benefits

- 20-year manufacturer's operational corrosion guarantee
- 10-year manufacturing faults and workmanship guarantee
- Lithium-ion battery extinguishant
- Recyclable 
- Long-lasting
- Corrosion resistant
- Super strength aramid fibre material
- No annual service required
- Self maintained annual inspection
- Light weight and easy to use



Manufactured in Great Britain

EN3

**UK
CA**

0029



Technical Specification

Model	Capacity (Litres)	Fire Rating	Full Weight (Kgs)	Temp Range	Operating Pressure (Bar) @ 20°C	Discharge Duration (Secs)	Discharge Range (M)	Diameter (mm)	Height (mm)
P50-AVD	6	13A	8.5	+5° to +60°C	12	40	4+	178	570

Specification

Operating Pressure @ 20°C **12bar**

Test Pressure (PT) **22bar**

Maximum Allowable Pressure (PS) **15.38bar**

Minimum Burst Pressure **55bar**

Cylinder Material **HDPE with Aramid fibre**

Operating Head Material **Brass - C3771 - Nickel Plated**

Component Parts

Item	Description	Part No.
A	Head cap assembly	P50-HC-ASS
B	Hose Assembly and Nozzle	P50-HO-ASS
C	Oetiker Clip	BR0540 & 541
D	Transport Bracket and Strap	P50-TB6
—	Wall Bracket Normal	P506-BRACKET
—	Wall Over Bracket	P50 OVER-BRACKET

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 gauges 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 the operational lifespan (colour coded stud in base gives year of manufacture).

At end of service life, return to manufacturer or distributor for manufacturer's overhaul to extend the lifespan.

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

