

AVD Portable Fire Extinguisher Aerosol

SB-019 REV A

AVD is a revolutionary fire extinguishing agent specifically designed for lithium-ion battery fires. It is environmentally friendly and is made from naturally occurring vermiculite.

AVD offers significantly superior performance to both control and extinguish flammable lithium-ion battery fires. AVD's enhanced fire extinguishing properties when compared with the products make it the only fire extinguishing agent you should consider for lithium-ion battery fires.

AVD is applied in the form of a mist. The vermiculite particles within the mist are deposited on the surface of the burning fuel to create a film over the top of the fire. This film instantly dries and because of their high aspect ratio the platelet particles overlap and bind together, producing a non-flammable oxygen barrier between the fire and the atmosphere.

Sea-Fire AVD high performance handheld fire extinguishers are designed to target high risk fires of a limited size. They are suited to confined spaces such as homes, hotel rooms, vehicles, public transport, aviation, marine or leisure and dedicated processes where in all instances fires need to be suppressed in their infancy before developing into a fully established fire.



Applications include

- Cell phones
- Laptops
- UPS (Uninterruptable Power Supply)
- Portable chargers
- Power tools

Product features

- Suitable for lithium-ion battery, class A and flammable metal fires
- Creates a film over the fuel source to deny oxygen and suppress the fire
- Non-toxic to humans, plant-life and animals
- Available individually or in case quantities
- Environmentally responsible
- Additional sizes available soon

Product specifications

| | |
|----------------------------|-----------------------------------|
| Capacity | 500ml |
| Total capacity of canister | 794ml |
| Weight of product | 545g |
| Total height | 300mm |
| Total width | Canister 65mm inc. handle 95mm |
| Min. working temp | 5°C |
| Max. working temp | +50°C |
| Discharge time (approx) | Up to 90 secs |
| Discharge range (approx) | Up to 2 metres |
| Cylinder test pressure | 21 bar |
| Extinguisher agent | AVD-Li |
| Propellant | Nitrogen |

AVD Portable Fire Extinguisher

Handhelds



Product specifications

| Extinguisher AVD Type | 1 Litre | 2 Litre | 6 Litre | 9 Litre |
|--------------------------------|------------------|------------------|------------------|------------------|
| Brim Full Capacity (ml) | 1,240 | 2,520 | 7,780 | 11,325 |
| Fill Volume AVD Agent (ml) | 1,000 | 2,000 | 6,000 | 9,000 |
| Approx. Weight Agent (kg) | 1.1 | 2.2 | 6.6 | 9.9 |
| Approx. Weight of Unit (kg) | 2.1 | 3.9 | 10.7 | 15.0 |
| Cylinder Ø (mm) | 85 | 110 | 170 | 170 |
| Cylinder Height (mm) | 320 | 380 | 522 | 664 |
| Unit Height (mm) | 350 | 410 | 530 | 672 |
| Handle | Metal - Red | Metal - Red | Metal - Red | Metal - Red |
| Hose | N/A | N/A | Yes with Magnet | Yes with Magnet |
| Base | Integral Base & | Integral Base & | Green PP | Green PP |
| Bracket | Wall Bracket | Wall Bracket | Wall Hanger | Wall Hanger |
| Fire Rating | 3A | 5A | 13A | 13A |
| EN3 Certified | Not Allowed | Yes | Yes | Yes |
| MED Certified | Not Allowed | Yes | Yes | Yes |
| Propellant | Nitrogen (3% He) | Nitrogen (3% He) | Nitrogen (3% He) | Nitrogen (3% He) |
| Operating Pressure (bar) | 15 | 15 | 15 | 15 |
| Operating Temperature (°C) | +5°C to +60°C | +5°C to +60°C | +5°C to +60°C | +5°C to +60°C |
| Approx. Discharge Time (s) | 25 | 50 | 120 | 180 |
| Discharge Range (m) | 1.5 - 2.0 | 1.5 - 2.0 | 1.5 - 2.0 | 1.5 - 2.0 |
| Packaged Unit (l x w x h) (mm) | 102 x 104 x 360 | 125 x 128 x 420 | 197 x 267 x 525 | 199 x 226 x 670 |
| Units per Box | 10 | 6 | 1 | 1 |
| Box Dimensions (mm) | 394 x 535 x 226 | 444 x 392 x 265 | N/A | N/A |

www.sea-fire.co.uk

Additional product data sheets and information available on request

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