

# AVD Portable Fire Extinguisher Aerosol

SB-034-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 alternative 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

Battery coverage	Under 60 Wh
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

### Approvals



► M.E.D.



### Product specifications

Extinguisher AVD type	1 Litre	2 Litre	6 Litre	9 Litre
Battery coverage	60-100 Wh	100-250 Wh	250-500 Wh	500-750 Wh
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](http://www.sea-fire.co.uk)

Additional product data sheets and information available on request

Sea-Fire Europe Ltd

Unit D2 Discovery, Voyager Park, Portfield Road, Portsmouth, PO3 5FN, UK

+44 (0) 2392 679666 • [customersupport@sea-fire.co.uk](mailto:customersupport@sea-fire.co.uk)