



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD 250

LASER

Last Updated on 01.02.2022



For light duty on laser marking, coding and engraving.

BOFA's Advantage 250 fume extraction and filtration system has been designed to provide a cost effective solution for light duty applications. This compact and extremely quiet system is ideal for use in schools, sign making workshops, small scale industrial environments and light laser coding applications.

Technology



DeepPleat pre-filter



HEPA filter



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



ProTECT service plan



SureCHECK quality standard

Key features of the AD 250

Blower with high airflow
Standard

Filter condition indicator
Standard

DeepPleat pre-filter
Standard

Remote stop / start interface
Optional

Low cost replacement filters
Standard

Low noise levels
Standard

VOC gas sensor (Volatile Organic Compound)
Optional

Filter change / system fail signal
Optional

Contact BOFA at <https://bofainternational.com/en/contact/>

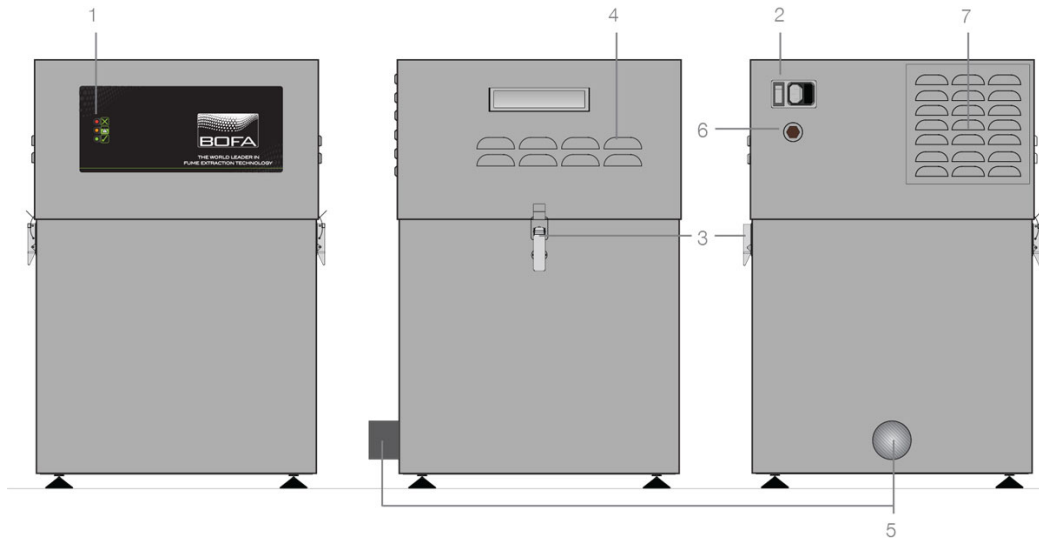
<https://bofainternational.com/en/portal/datasheets/ad-250/>



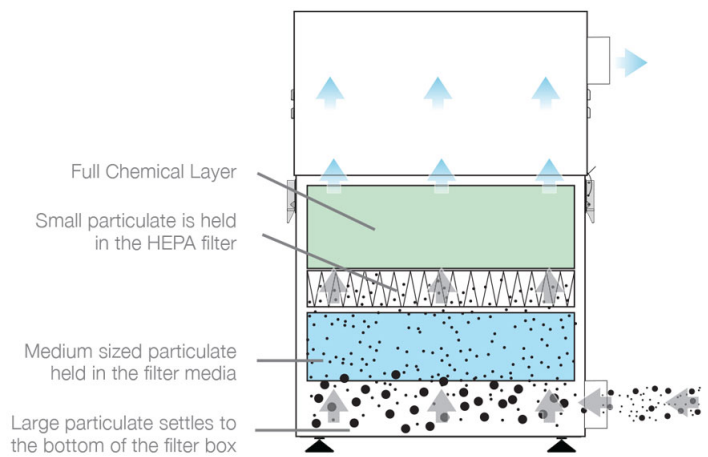
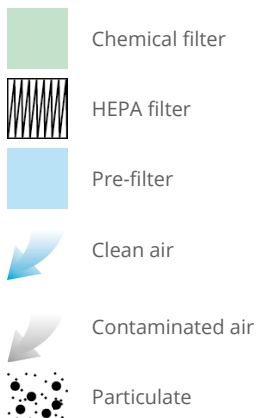
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

Technical specification

1. Unit/filter condition display
2. On / off switch - power inlet
3. Filter compartment latch
4. Motor cooling in and out
5. Hose inlet connection - 50mm
6. Signal / interface cable
7. Exhaust outlet



Airflow through filters



Technical data

| | EU | US |
|----------------------|--|--|
| Dimensions (HxWxD) | 590 x 405 x 465 mm | 23.23 x 15.94 x 18.31" |
| Cabinet construction | Brushed stainless steel / Powder coated mild steel | Brushed stainless steel / Powder coated mild steel |
| Airflow/pressure | 180m ³ /hr / 30mbar | 106cfm / 30mbar |
| Electrical data | 230v Single-phase 1~ 50/60Hz Full load current: 0.9 amps / 135 watts | 115v 60/50Hz Full load current: 1.2 amps / 135 watts |
| Noise level | < 66dBA (at typical operating speed) | < 66dBA (at typical operating speed) |
| Weight | 35kg | 77lbs |
| Approvals | UKCA and CE | cUL, UL* |

DeepPleat pre-filter specifications

| | |
|---------------------------|---|
| Surface media area | 6m ² approx (64.56 ft ²) |
| Filter media | Borosilicate |
| Filter media construction | 100mm maxi fold construction with glue bead spacers (0.32 ft) |
| Filter housing | Cardboard |
| Filter efficiency | 95% @ 0.9 microns |

Combined HEPA / gas filter specifications

| | |
|--------------------------|--|
| HEPA filter media | Borosilicate |
| HEPA media construction | Maxi pleat construction with glue bead spacers |
| Gasket | Neoprene with adhesive backing |
| Filter housing | Zintec mild steel |
| Treated activated carbon | 7.5kgs (16.53 lbs) |
| Filter efficiency | 99.997% @ 0.3 microns |

Part numbers

| Model | Voltage | Part No. | 24V stop / start | Filter change / system failure signal | VOC monitoring | Hose kit - 50mm |
|------------------------|---------|----------|------------------|---------------------------------------|----------------|-----------------|
| AD 250 stainless steel | 230V | L0452A | A2001 | A2002 | A2003 | A1020007 |
| AD 250 stainless steel | 115V | L0451A | A2001 | A2002 | A2003 | A1020007 |
| AD 250 powder coated | 230V | L0442A | A2001 | A2002 | A2003 | A1020007 |
| AD 250 powder coated | 115V | L0441A | A2001 | A2002 | A2003 | A1020007 |

Replacement filters

| Model | DeepPleat pre-filter | Combined HEPA / gas filter |
|--------|----------------------|----------------------------|
| AD 250 | A1030056 | A1030055 |

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

Other languages

AD 250
[French](#)

Datasheet correct at time of publishing.

Where applicable, the carbon used in BOFA units is capable of removing a wide range of VOCs, however it is the responsibility of the user to ensure the carbon is suitable for their application. For specific applications, please contact us for details.



Important Notice: Many factors beyond the control of BOFA can affect the use and performance of BOFA products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

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