BOFA™
A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

AD 250

LASER

Last Updated on 01.04.2022

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

Technical specification

1. Unit/filter condition display
2. On / off switch - power inlet
3. Filter compartment latch
4. Motor cooling in and out

Contact BOFA at **https://bofainternational.com/en/contact/**

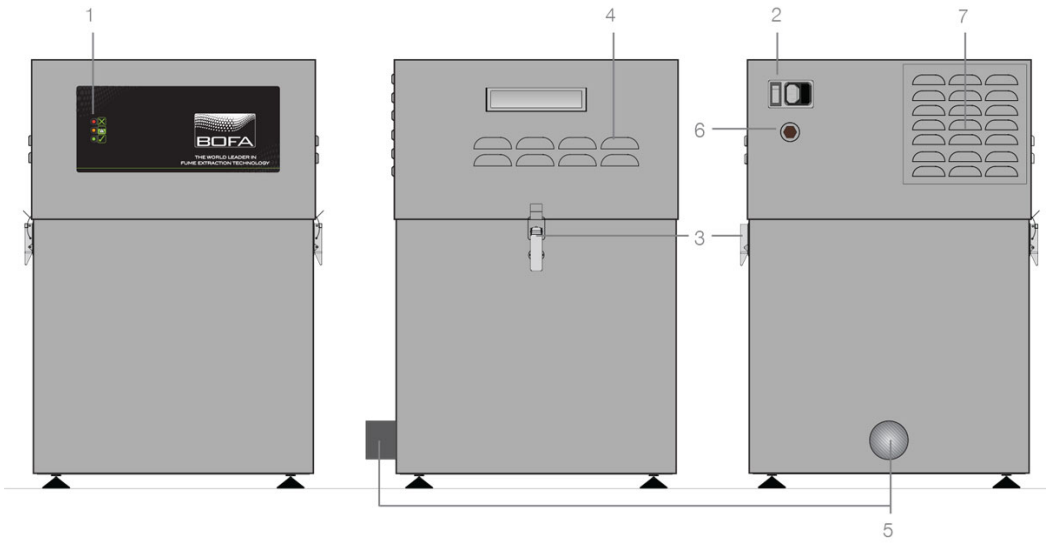
https://bofainternational.com/en/portal/datasheets/ad-250/

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

5. Hose inlet connection - 50mm

6. Signal / interface cable

7. Exhaust outlet



Airflow through filters

Chemical filter

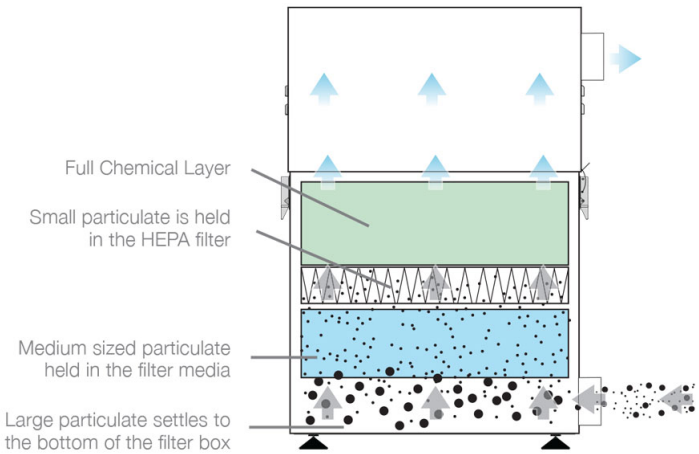
HEPA filter

Pre-filter

Clean air

Contaminated air

Particulate



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	180m³/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	6m² approx (64.56 ft²)
Filter media	Borosilicate

DeepPleat pre-filter specifications

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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