



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/>

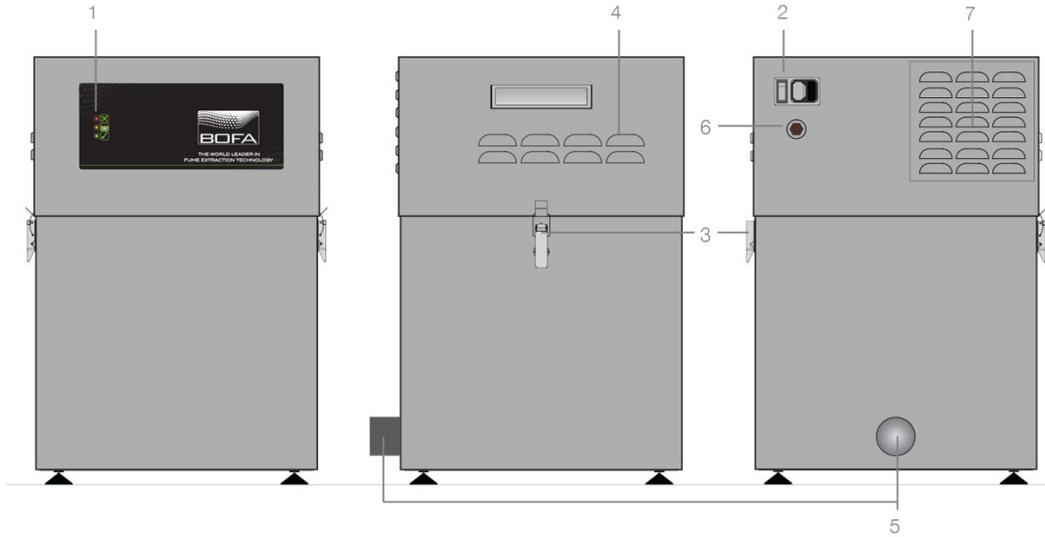


Approvals: REACH and RoHS. See individual product technical data for specific accreditations

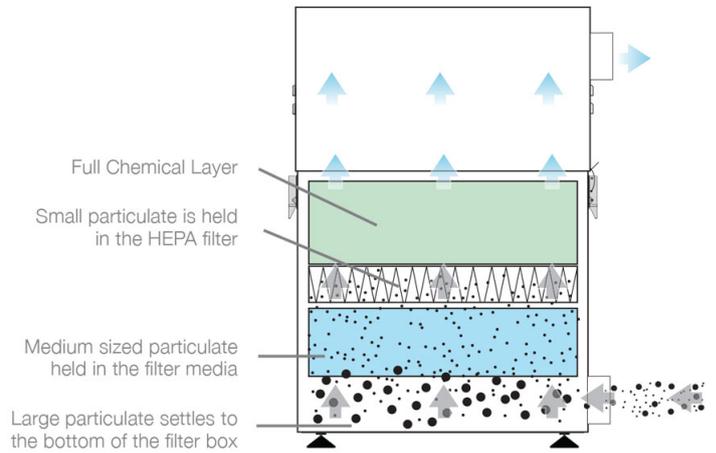
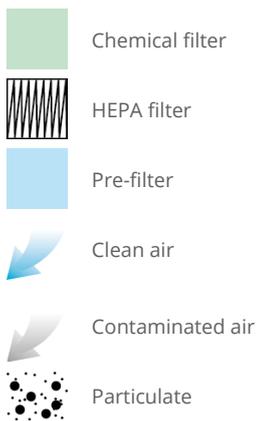
5. Hose inlet connection - 50mm

6. Signal / interface cable

7. Exhaust outlet



## Airflow through filters



## 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 <sup>3</sup> /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 <sup>2</sup> approx (64.56 ft <sup>2</sup> )
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.*

*Think before you print! Please consider the environment before printing this document.*

