



A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# AD 350

Last Updated on 01.02.2022



Fume extraction system for light-duty laser marking, coding and engraving applications.

BOFA's Advantage 350 fume extraction and filtration system helps to filter fumes and particulates created during the laser marking process. By maintaining a clean operating area, the system helps to protect valuable equipment, maintain a higher quality mark, and reduce the number of rejects and contaminants.

The quiet and compact Advantage 350 is ideal for use in light-duty laser marking applications, including schools, sign making workshops and small scale industrial environments.

## Technology



DeepPleat pre-filter



HEPA filter



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



Multi voltage sensing (MVS) unit



ProTECT service plan



SureCHECK quality standard

## Key features of the AD 350

**Blower with high airflow and pressure**  
Standard

**Filter condition indicator**  
Standard

**Digital flow control system**  
Standard

**VOC gas sensor (Volatile Organic Compound)**  
Optional

**Filter change / system fail signal**  
Optional

**Low cost replacement filters**  
Standard

**Low noise levels**  
Standard

**Nitrogen dioxide sensor**  
Optional

**Remote stop / start interface**  
Optional

## Technical specification

1. Filter condition display

2. On / off switch

3. Signal / interface cable

4. Power cable inlet

Contact BOFA at [https://bofainternational.com/en/?page\\_id=17554](https://bofainternational.com/en/?page_id=17554)

<https://bofainternational.com/en/portal/datasheets/ad-350/>



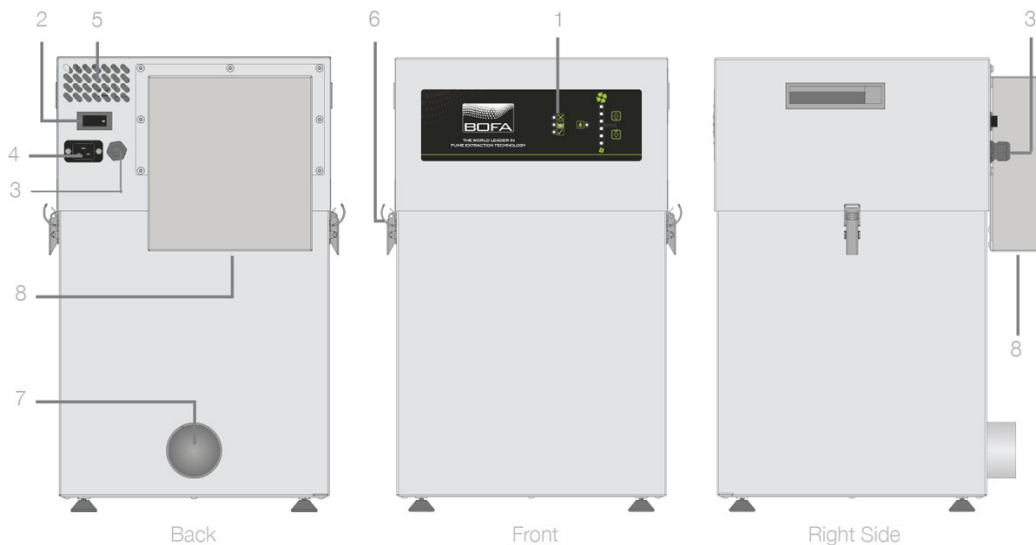
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

5. Motor cooling inlet







6. Filter latch

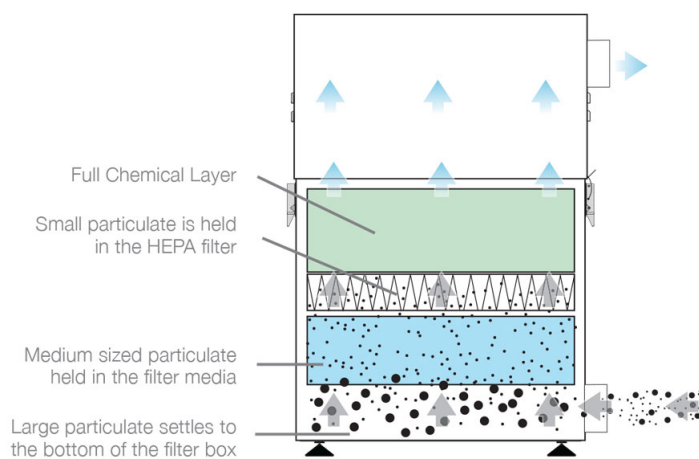
7. Hose inlet connection - 100mm

8. 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	380m <sup>3</sup> /hr / 96mbar	223cfm / 96mbar
Electrical data	110-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw	110-230v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 62dBA (at typical operating speed)	< 62dBA (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 (64.5 ft <sup>2</sup> )
Filter media	Borosilicate

## DeepPleat pre-filter specifications

Filter media construction	100mm DeepPleat construction with glue bead spacers (0.32ft)
Filter efficiency	95% @ 0.9 microns

## Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	7.5kgs (16.53 lbs)
HEPA filter efficiency	99.997% @ 0.3 microns

## Unit part numbers

Model	Voltage	Part no.	24V stop / start	Filter change / system failure signal	VOC monitoring
AD 350 powder coated	110 - 230v	L0542A0000	A2001	A2002	A2003
AD 350 with NOx sensor powder coated	110- 230v	L0542A8212	A2001	A2002	A2003

## Replacement filter part numbers

Model	DeepPleat pre-filter	Combined HEPA / gas filter
AD 350	A1030056	A1030055
AD 350 with NOx sensor	A1030056	A1030355

\* 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 350  
[German](#)

AD 350  
[French](#)

AD 350  
[Chinese](#)

*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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