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 remove 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

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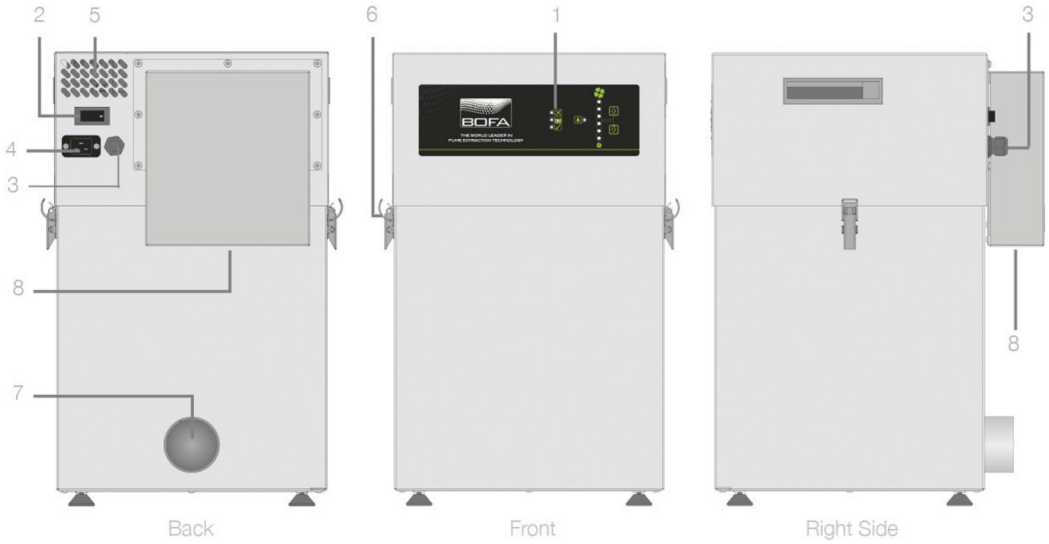
Technical specification

1. Filter condition display
2. On / off switch
3. Signal / interface cable
4. Power cable inlet
5. Motor cooling inlet
6. Filter latch
7. Hose inlet connection - 100mm
8. Exhaust outlet



Airflow through filters

Chemical filter

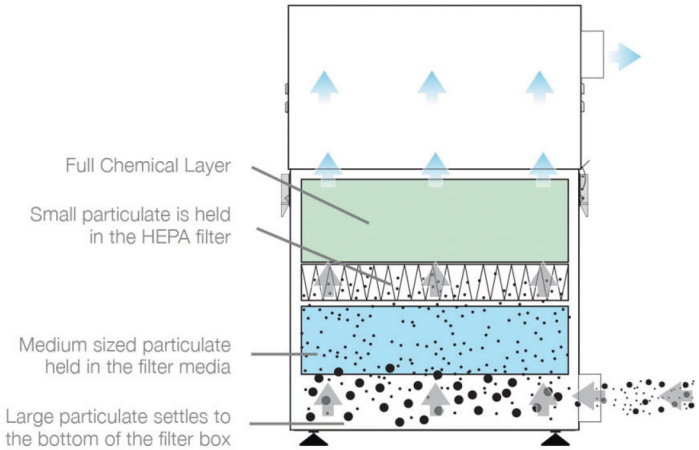
HEPA filter

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	380m³/hr / 96mbar	223cfm / 96mbar
Electrical data	100-240v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw	100-240v 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*

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DeepPleat pre-filter specifications

Surface media area	6m² approx (64.5 ft²)
Filter media	Borosilicate
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	90 - 257V	L0542A0000	A2001	A2002	A2003
AD 350 with NOx sensor powder coated	90 - 257V	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.

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*

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