



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD 350

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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/portal/datasheets/ad-350/>



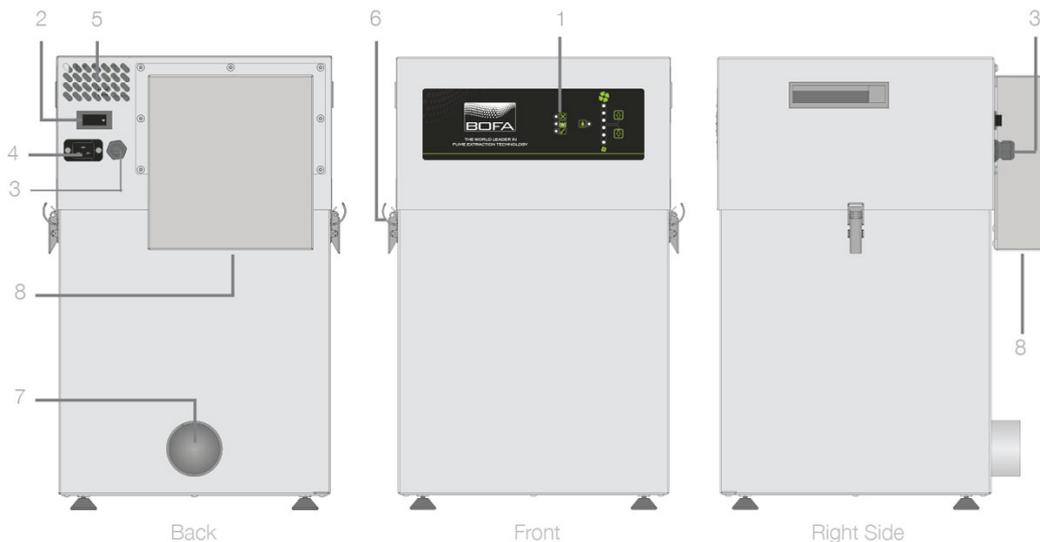
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

5. Motor cooling inlet

6. Filter latch

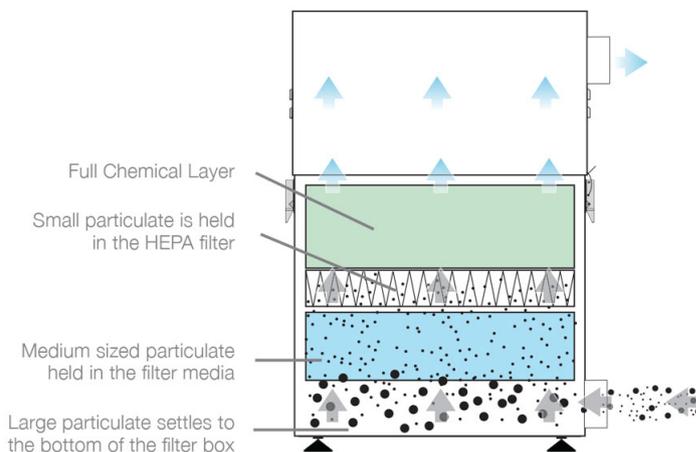
7. Hose inlet connection - 100mm

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 ³ /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 ² approx (64.5 ft ²) |
| 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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