



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD 350

LASER

Last Updated on 29.08.2018



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

BOFA's Advantage 350 fume extraction and filtration system effectively removes potentially harmful fumes and particulates created during the laser marking process. By maintaining a dust-free 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

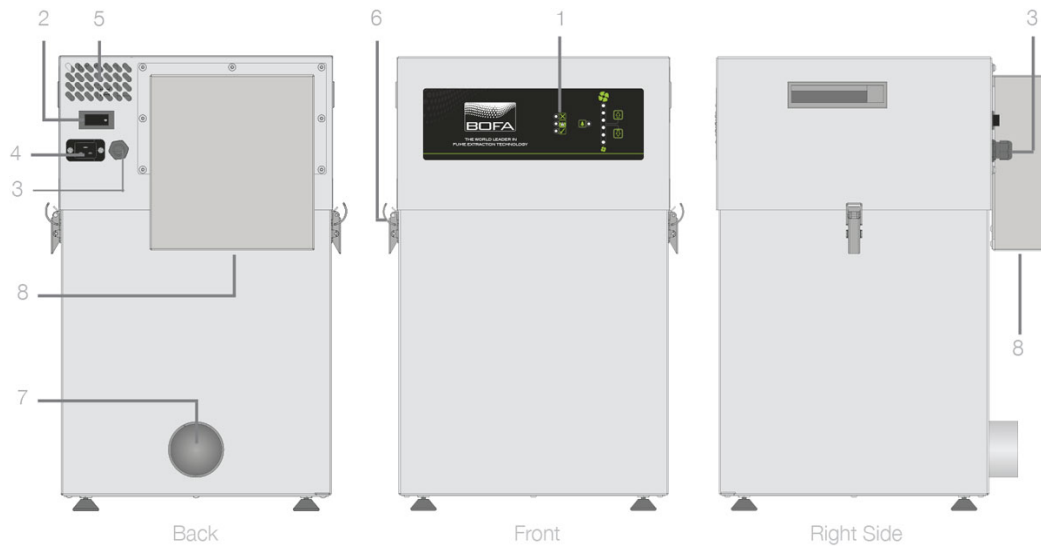
Contact BOFA at <https://bofainternational.com/en/contact/>

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









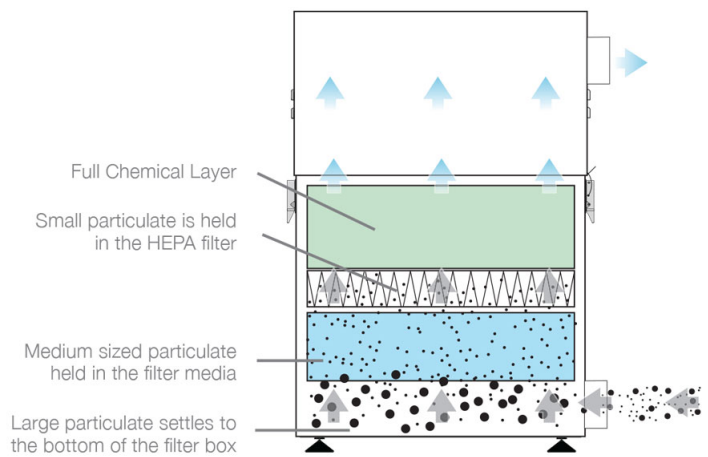
Technical specification

- 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 | 115-230v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw | 115-230v 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 | CE | cUL, UL |

DeppPleat Pre Filter specifications

| | |
|---------------------------|--|
| Surface Media Area | 6m² approx (64.5 ft²) |
| Filter Media | Glass Fibre |
| Filter Media Construction | 100mm DeepPleat construction with Webbing Spacers (0.32ft) |
| Filter Efficiency | 95% @ 0.9 microns |

Combined Filter specifications

| | |
|--------------------------|--|
| HEPA Filter Media | Glass Fibre |
| HEPA Media Construction | Maxi Pleat Construction with Webbing Spacers |
| Filter Housing | Zintec Mild Steel |
| Treated Activated Carbon | 9kgs (19.8 lbs) |
| 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 |

Other languages

AD 350
[German](#)

Datasheet correct at time of publishing.

The carbon used in BOFA units is capable of removing a wide range of VOC's, 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.

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