



THE WORLD LEADER IN
FUME EXTRACTION TECHNOLOGY



www.bofa.co.uk/laser-fume-extraction.asp



LASER Fume Extraction Solutions

AD 350

Advantage

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.

STANDARD FEATURES:

- Blower with high airflow and pressure
- Low cost replacement filters
- Filter condition indicator
- Low noise levels
- Digital flow control system

OPTIONAL FEATURES:

- Nitrogen Dioxide sensor
- VOC gas sensor (Volatile Organic Compound)
- Remote stop / start interface
- Filter change / System fail signal

TYPICAL APPLICATIONS:

- Lasering
- Welding
- Coding
- Cutting
- Marking
- Drilling
- Engraving



TECHNOLOGY:



DeepPleat filter technology



Advanced Carbon Filter technology



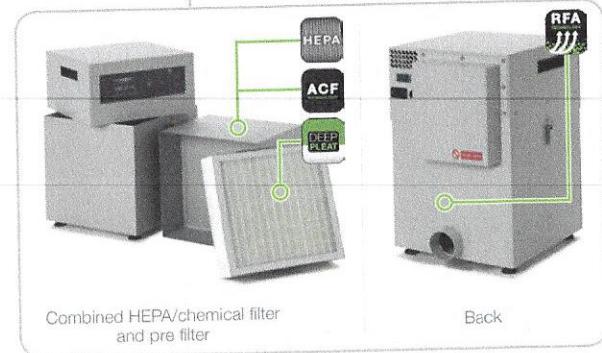
HEPA filter technology



Reverse Flow Air technology



SureCheck Quality Standard



UNIT PART NUMBERS		OPTIONS		
Model	Voltage	Part No.	24V Stop / Start	Filter change / System failure signal
AD 350 Powder Coated	90V - 257V	L0542A0000	A2001	A2002
AD 350 with NOx sensor Powder Coated		L0542A8212		
				A2003

REPLACEMENT FILTER PART NUMBERS

Model	DeepPleat Pre Filter	Combined HEPA / Gas Filter
AD 350	A1030056	A1030055
AD 350 with NOx sensor		A1030355

TECHNICAL DATA

	EU	US
Dimensions (HxWxD)	590 x 375 x 375 mm	23.2 x 14.8 x 14.8"
Cabinet Construction	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	
Noise Level	< 60dBA at typical operating speed	
Weight	40kg	88lbs
Approvals	CE	UL

DEEPPLEAT PRE FILTER SPECIFICATIONS

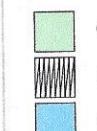
Surface Media Area	6m ² approx
Filter Media	Glass Fibre
Filter Media Construction	100mm DeepPleat construction with Webbing Spacers
Filter Efficiency	F8 (95% @ 0.9 microns)

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
Filter Efficiency	99.997% @ 0.3 microns

Other nose kits and filters are available. All of the above units are fitted with our standard filter combinations. For specific applications please get us for details. Replacement filters should always be ordered using the part number on the filters inside your extractor to ensure the correct filter is ordered. Datasheet correct at time of print.

AIRFLOW THROUGH FILTERS



Chemical Filter

HEPA Filter

Pre Filter



Clean Air



Contaminated Air



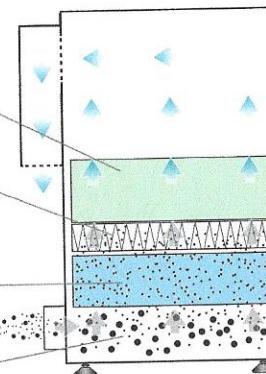
Particulate

Full Chemical Layer

Small particulate is held in the full HEPA material layer

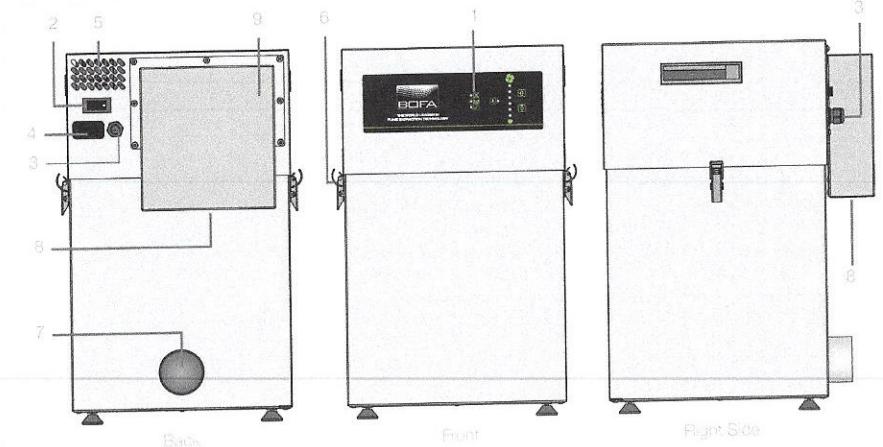
Medium sized particulate held in 6m² of filter media

Large particulate settles to the bottom of the filter box



TECHNICAL SPECIFICATION

1 Filter Condition Display	4 Power Cable Inlet	7 Hose Inlet Connection - 100mm
2 On / Off Switch	5 Motor Cooling Inlet	8 Exhaust Outlet
3 Signal / Interface Cable	6 Filter Latch	9 Nitrogen Dioxide Sensor



AD350-16/8-10V-24



BOFA INTERNATIONAL LTD

Tel: +44 (0) 1202 699 444 Fax: +44 (0) 1202 699 446 Email: sales@bofa.co.uk Web: www.bofa.co.uk

BOFA AMERICAS, INC

Tel: (618) 205 5007 Fax: (866) 707 2632 Email: sales@bofaamericas.com Web: www.bofaamericas.com

