



THE WORLD LEADER IN  
FUME EXTRACTION TECHNOLOGY

## AD 500

Advantage


BOFA's mid to high end range of laser extraction systems combine extremely large filter capacity with high airflows and pressure. This combination makes it ideal for heavy duty applications that generate large amounts of particulate and gaseous organic compounds. This system benefits from Automatic Flow Control, which enables the end user to set the required airflow for the application. The unit will then maintain this airflow throughout the life cycle of the filters.

The additional feature of BOFA's 'Easi-Glide' filter location mechanism makes filter change easy, quick and safe. A truly state of the art laser fume purification solution.

### STANDARD FEATURES:

- Turbine with high airflow and pressure
- Filters with long life and low replacement cost
- 'Easi-Glide' filter location mechanism
- Automatic flow control system
- Filter condition display
- Built in silencing

### OPTIONAL FEATURES:

- VOC gas sensor (Volatile Organic Compound)
- Remote stop / start interface
- Filter change / System fail signal
-  DeepPleat pre filter

Mid to high end laser fume extraction system for the laser marking, coding and engraving industries.



Featuring optional DeepPleat filter technology



Automatic Flow Control

### TYPICAL APPLICATIONS:

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



PART NUMBERS					
Model	Voltage	Part No.	24V Stop / Start	Filter change / System failure signal	VOC Monitoring
AD 500 Stainless Steel	230V	L0652A	A2001	A2002	A2003
	115V	L0651A			
AD 500 Powder Coated	230V	L0642A	A2001	A2002	A2003
	115V	L0641A			

REPLACEMENT FILTERS				
Model	Pre Filter	Optional DeepPleat	HEPA Filter	Disposable Gas Filter 25kg
AD 500	A1030058	A1030222	A1030059	A1030061

TECHNICAL DATA		
	230V	115V
Dimensions (HxWxD)	1220 x 600 x 770mm	48 x 23.6 x 30.3"
Cabinet Construction	Brushed stainless steel / Powder coated mild steel	Brushed stainless steel / Powder coated mild steel
Airflow / Pressure	500m <sup>3</sup> /hr / 100mbar	294cfm / 100mbar
Electrical Data	230v 1ph 50/60Hz Full load current: 9.1 amps / 1.1kw	115v 60/50Hz Full load current: 14.3 amps / 1.1kw
Noise Level	< 60dBA*	< 60dBA*
Weight	155kgs	342lbs

\* At typical operating speed.

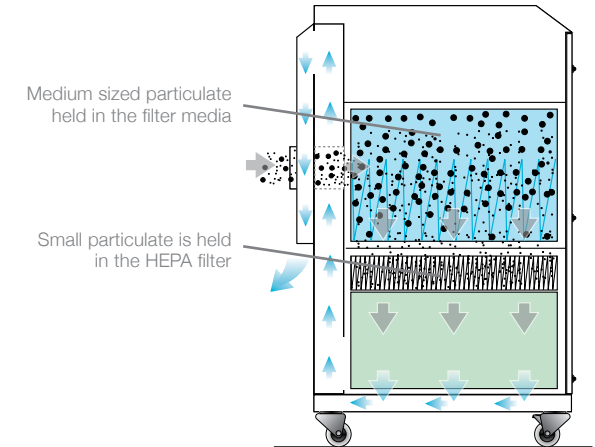
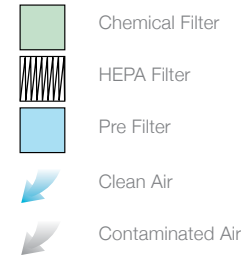
PRE FILTER SPECIFICATIONS	
Surface Media Area	2.5m <sup>2</sup> approx
Filter Media	Glass Fibre
Filter Media Construction	8 Pocket Bag Filter
Filter Efficiency	F8 (95% @ 0.9 microns)

GAS/HEPA FILTER SPECIFICATIONS	
Surface Media Area	7.5m <sup>2</sup> approx
HEPA Filter Media	Glass Fibre
HEPA Media Construction	Maxi Pleat Construction with Webbing Spacers
Filter Efficiency	H13 (99.997% @ 0.3 microns)
Treated Activated Carbon	25kgs
Filter Housing	Zintec Mild Steel

### FILTER OPTION:

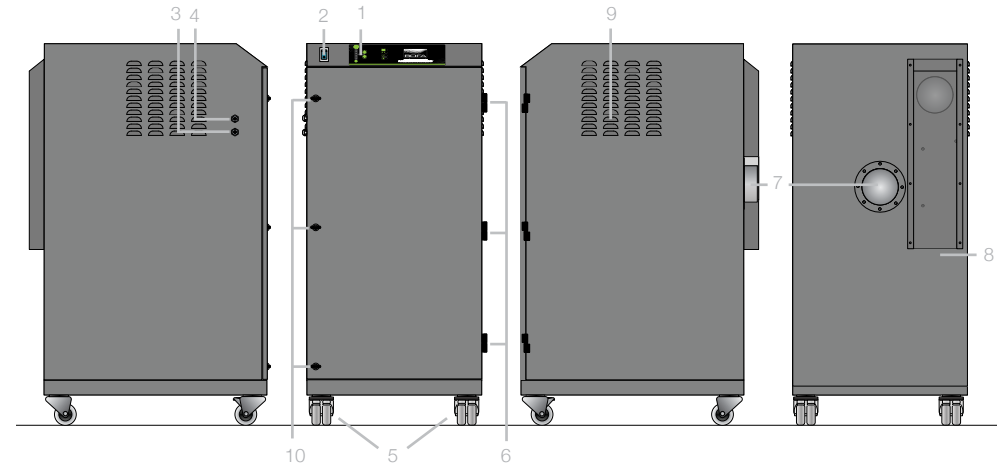
OPTIONAL DEEPPLEAT PRE FILTER SPECIFICATIONS	
Surface Media Area	30m <sup>2</sup> approx
Filter Media	Glass Fibre
Filter Media Construction	Maxi Pleat Construction with Webbing Spacers
Filter Housing	Zintec mild steel
Filter Efficiency	F8 (95% @ 0.9 microns)

### AIRFLOW THROUGH FILTERS



### TECHNICAL SPECIFICATION

- |  |                                 |
|--|---------------------------------|
| 1 Unit / Filter Condition Display - Automatic Flow Control | 6 Door Hinge                    |
| 2 On / Off Switch  | 7 Hose Inlet Connection - 100mm |
| 3 Signal / Interface Cable                                 | 8 Exhaust Outlet                |
| 4 Power Cable  | 9 Motor Cooling Inlet           |
| 5 Castors  | 10 Door Latch                   |



Other hose kits and filters are available. All of the above units are fitted with our standard filter combinations. For specific applications please call 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.

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