



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# AD Base 3

Last Updated on 01.02.2022



The laser companion advantage extraction system for the laser engraving industries.

The Advantage Base 3 has been designed specifically for the universal Versa laser engraver. The dimensions of the unit allow the Versa laser to fit perfectly onto the extractor, effectively doubling it up as a workstation.

The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements and comes complete with an extraction hose kit and compressor link up on compressor models.

## Technology



DeepPleat DUO pre-filter



HEPA filter



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



Patented technology



ProTECT service plan



SureCHECK quality standard

## Key features of the AD Base 3

**Filter condition indicator**  
Standard

**DeepPleat DUO pre-filter**  
Standard

**On-board compressor**  
Optional

**Filter change / system fail signal**  
Optional

**Low noise level**  
Standard

**VOC gas sensor (Volatile Organic Compound)**  
Optional

**Remote stop / start interface**  
Optional

## Technical specification

1. Unit / filter condition display  
- automatic flow control

2. On / off switch

3. Door hinge

4. Extracted air outlet

Contact BOFA at <https://bofainternational.com/en/contact/>  
<https://bofainternational.com/en/portal/datasheets/ad-base-3/>



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

5. Hose inlet connection - 75mm

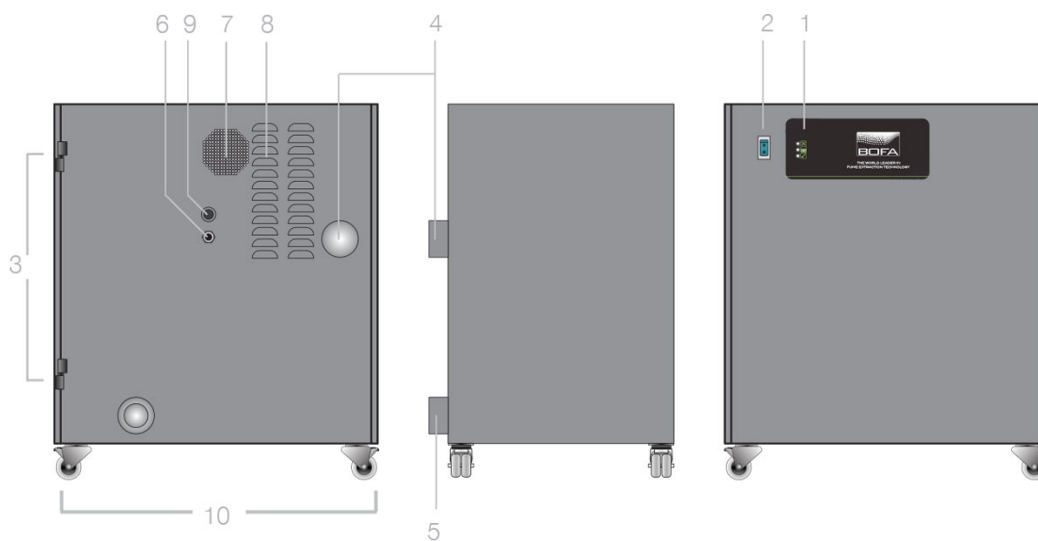
6. Power cable

7. Motor cooling inlet







8. Motor cooling outlet

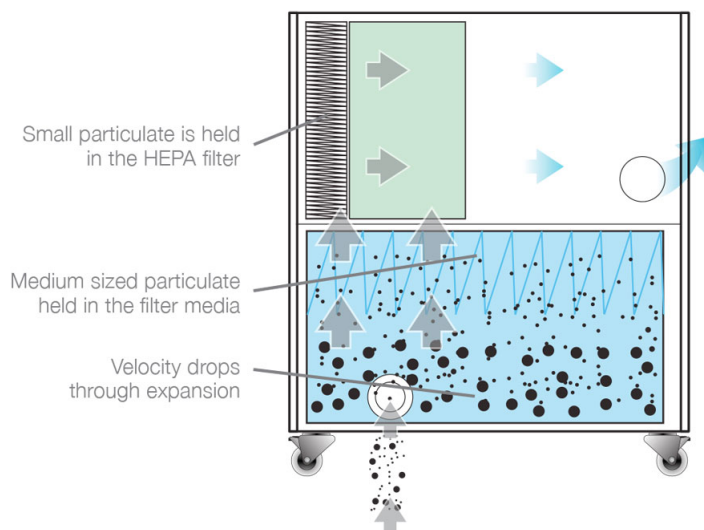
9. Compressed air outlet

10. Castors



### Airflow through filters

-  Chemical filter
-  HEPA filter
-  Pre-filter
-  Clean air
-  Contaminated air
-  Particulate



### Technical data

|                      | EU  | US  |
|----------------------|---|---|
| Dimensions (HxWxD)   | 775 x 510 x 680mm   | 30.51 x 20.08 x 26.77                             |
| Cabinet construction | Powder coated mild steel  | Powder coated mild steel                          |
| Airflow / pressure   | 180m <sup>3</sup> /hr / 30mbar                                    | 105cfm / 30mbar                                   |
| Electrical data      | 230v single-phase 1~ 50/60Hz full load current: 0.9 amps / 0.35kw | 115v 60/50Hz full load current: 1.2 amps / 0.35kw |
| Noise level          | < 56dBA (at typical operating speed)                              | < 56dBA (at typical operating speed)              |
| Weight               | 74kgs   | 163lbs  |
| Approvals            | UKCA and CE   | UKCA and CE                                       |

### DeepPleat DUO pre-filter specifications

|                    |  |
|--------------------|--|
| Surface media area | 12m <sup>2</sup> approx (129.12ft <sup>2</sup> ) |
|--------------------|--|

## DeepPleat DUO pre-filter specifications

|                           |                                |
|---------------------------|--------------------------------|
| Filter media              | Borosilicate                   |
| Filter media construction | Pleated with glue bead spacers |
| Filter housing            | Mild steel                     |
| Filter efficiency         | 95% @ 0.9 microns              |

## Combined filter specifications

|                          |   |
|--------------------------|---|
| HEPA filter media        | Borosilicate                                      |
| HEPA media construction  | Maxi pleat  |
| Surface media area       | 2.75m <sup>2</sup> approx (29.59ft <sup>2</sup> ) |
| Filter housing           | Mild Steel  |
| Treated activated carbon | 9kgs (19.8 lbs)                                   |
| Filter efficiency        | 99.997% @ 0.3 microns                             |

## Part numbers

| Model                   | Voltage | Part no. | 24V stop / start | Filter change / system failure signal | VOC monitoring | Compressor |
|-------------------------|---------|----------|------------------|---------------------------------------|----------------|------------|
| AD Base 3 powder coated | 230V    | L0342A   | A2001            | A2002                                 | A2003          | A2007      |
|                         | 115V    | L0341A   | A2001            | A2002                                 | A2003          | A2007      |

## Replacement filters

| Model     | DeepPleat DUO pre-filter | Combined filter |
|-----------|--------------------------|-----------------|
| AD Base 3 | A1030045                 | A1030050        |

## Hose kit

### 75-75mm kit

Part no. A1020017

1.5m 75mm flexible hose

2 x connection cuffs

75mm - 75mm Kit

## Other languages

AD Base 3  
[French](#)

AD Base 3  
[German](#)

*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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