



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# AD Nano

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The compact fume extraction system designed for small scale industrial environments and light in laser coding applications.

The AD Nano fume extraction and filtration system has been designed for light to medium duty applications. These compact systems are ideal for small scale industrial environments and light laser coding applications. The reverse flow air and DeepPleat DUO filter technology help to enhance filter performance and ensure long filter life.

## 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 Nano

Reverse flow air technology  
Standard

Long life, low cost replacement filters  
Standard

Advanced carbon filter (ACF) and HEPA technology  
Standard

Low noise levels  
Standard

Remote stop / start interface  
Optional

`Easi-seal` filter location  
Standard

DeepPleat DUO pre-filter  
Standard

Small footprint  
Standard

VOC gas sensor (Volatile Organic Compound)  
Optional

Filter change / system fail signal  
Optional

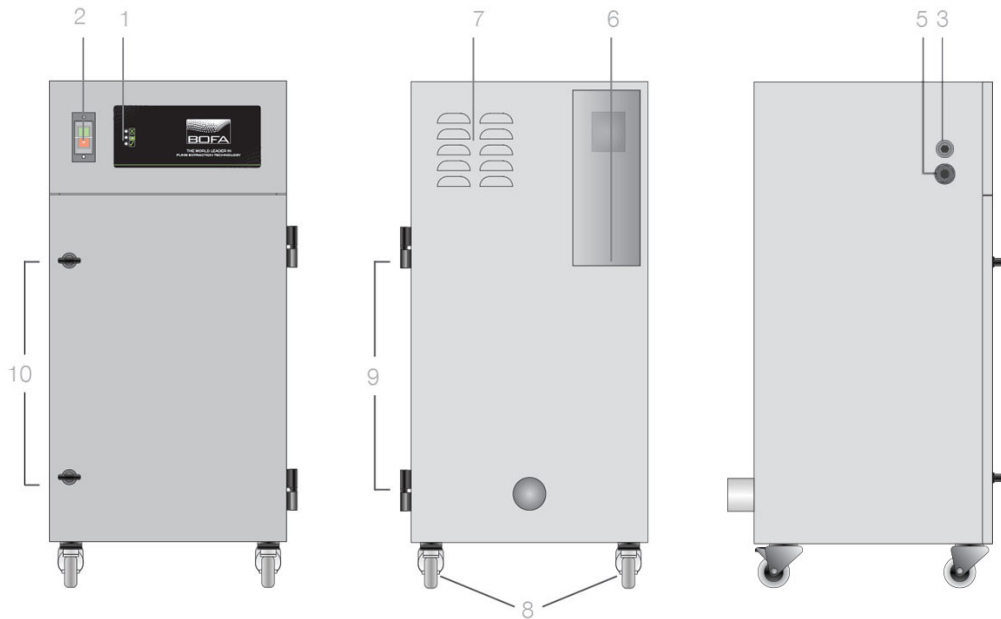
## Technical specification

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



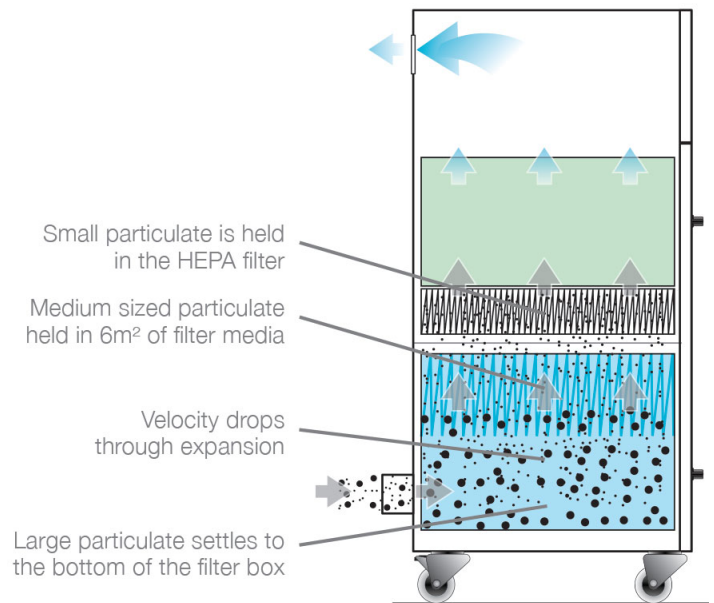
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

- 1. Filter condition display
- 2. On / off switch
- 3. Signal / interface cable
- 4. Hose inlet connection - 50mm
- 5. Power cable inlet
- 6. Exhaust outlet
- 7. Motor cooling inlet / outlet
- 8. Castors
- 9. Door hinge
- 10. Door latch



### Airflow through filters

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



### Technical data

|                      | EU   | US   |
|----------------------|--|--|
| Dimensions (HxWxD)   | 790 x 360 x 420mm                                    | 31.1 x 14.17 x 16.54"                                |
| Cabinet construction | Brushed stainless steel / powder coated mild steel   | Brushed stainless steel / powder coated mild steel   |
| Airflow / pressure   | 170m³/hr / 30mbar                                    | 100cfm / 30mbar                                      |
| Electrical data      | 230v 50/60Hz full load current: 1.1 amps / 135 watts | 115v 50/60Hz full load current: 1.2 amps / 135 watts |
| Noise level          | < 60dBA (at typical operating speed)                 | < 60dBA (at typical operating speed)                 |
| Weight               | 40kg   | 88lbs  |

## Technical data

### Approvals

UKCA and CE

UKCA and CE

## DeepPleat DUO pre-filter specifications

|                           |  |
|---------------------------|--|
| Surface media area        | 6m <sup>2</sup> approx (64.5 ft <sup>2</sup> )               |
| Filter media              | Borosilicate   |
| Filter media construction | 150mm maxi fold construction with glue bead spacers (0.49ft) |
| Filter housing            | Zintec mild steel  |
| Filter efficiency         | 92% @ 0.8 microns  |
| Inlet size                | 50mm (0.16ft)  |
| Dropout chamber size      | 7.44 litres  |

## Combined filter specifications

|                          |  |
|--------------------------|--|
| HEPA filter media        | Borosilicate   |
| HEPA media construction  | 50mm maxi pleat construction with glue bead spacers (0.16ft) |
| Filter housing           | Zintec mild steel  |
| Treated activated carbon | 6.75kgs (14.85 lbs)  |
| Filter efficiency        | 99.997% @ 0.3 microns  |

## Part numbers

| Model                   | Voltage | Part no. | 24V stop / start | Filter change / system failure signal | VOC monitoring | Hose kit |
|-------------------------|---------|----------|------------------|---------------------------------------|----------------|----------|
| AD Nano powder coated   | 230V    | L2942A   | A2001            | A2002                                 | A2003          | A1020007 |
| AD Nano powder coated   | 115V    | L2941A   | A2001            | A2002                                 | A2003          | A1020007 |
| AD Nano stainless steel | 230V    | L2952A   | A2001            | A2002                                 | A2003          | A1020007 |
| AD Nano stainless steel | 115V    | L2951A   | A2001            | A2002                                 | A2003          | A1020007 |

## Replacement filters

| Model   | DeepPleat DUO pre-filter | Combined filter |
|---------|--------------------------|-----------------|
| AD Nano | A1030190                 | A1030191        |

## Other languages

AD Nano  
[French](#)

*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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