



A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD Nano+

LASER

Last Updated on 01.02.2022



The AD Nano+ fume extraction and filtration system has been designed as a cost-effective solution for light to medium duty applications and is the ideal choice for installations where floor space is limited.

Suitable for light laser coding applications, the AD Nano+ incorporates many of the features found on our larger systems.

The use of an auto-voltage sensing turbine means that the unit can be used anywhere in the world.

Reverse flow, patented DeepPleat DUO and ACF filter technologies ensure optimised performance and filter life.

Technology



DeepPleat DUO
pre-filter



HEPA filter



Automatic flow
control (AFC)
technology



Reverse flow air
(RFA) technology



Advanced carbon
filter (ACF)
technology



Multi voltage
sensing (MVS) unit



Patented
technology



ProTECT service
plan



SureCHECK
quality standard

Key features of the AD Nano+

Auto sensing voltage (100-240v) for global use
Standard

Reverse flow
Standard

Long life filters with low replacement cost
Standard

Advanced carbon filter (ACF) technology
Standard

Low noise levels
Standard

Remote stop / start interface
Optional

Automatic flow control
Standard

'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

Contact BOFA at www.donaldsonbofa.com/contact/

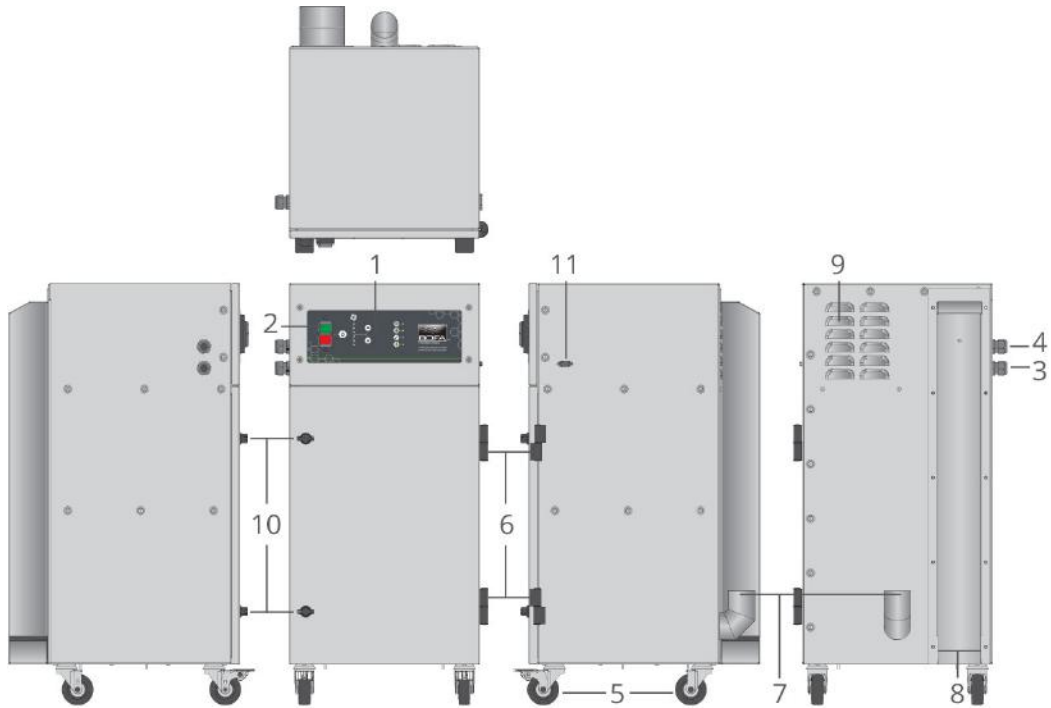
www.donaldsonbofa.com/fume-extraction-systems/ad-nano/









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

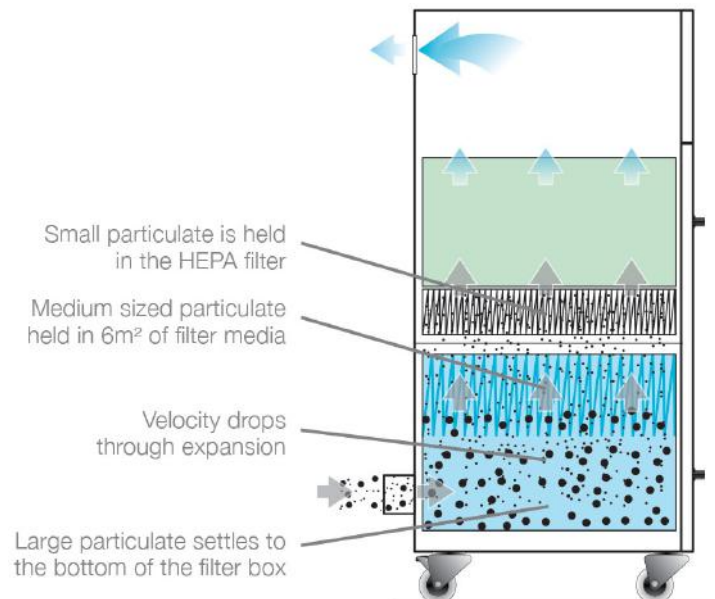
Technical specification

- | | | | |
|--|--------------------|---|-------------------|
| 1. Unit / filter condition display - automatic flow control | 2. On / off switch | 3. Signal / interface cable | 4. Power cable |
| 5. Castors | 6. Door hinge | 7. Hose inlet connection - 50mm | 8. Exhaust outlet |
| 9. Motor cooling inlet | 10. Door latch | 11. Interfacing connector (optional) | |



Airflow through filters

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



Technical data

| | 230V | 115V |
|----------------------|---|---|
| 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 | 300m ³ /hr / 96mbar | 176cfm / 96mbar |
| Electrical data | 100-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw | 100-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw |
| Noise level | < 60dBA (at typical operating speed) | < 60dBA (at typical operating speed) |
| Weight | 42kg | 92.5lbs |
| Approvals | UKCA and CE | UKCA and CE |

DeepPleat DUO pre-filter specifications

| | |
|---------------------------|---|
| Surface media area | 6m ² approx (64.56ft ²) |
| Filter media | Borosilicate |
| Filter media construction | 150mm Maxi pleat 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

| | |
|--------------------------|---|
| Surface media area | 2.18m ² approx (23.4568ft ²) |
| HEPA filter media | Borosilicate |
| HEPA media construction | 50mm maxi pleat construction with glue bead spacers |
| Filter housing | Zintec mild steel |
| Treated activated carbon | 6.75kgs (14.85 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 Nano+ powder coated | 100-230v | L3042A | A2001 | A2002 | A2003 |
| AD Nano+ stainless steel | 100-230v | L3052A | A2001 | A2002 | A2003 |

Replacement filters part numbers

| Model | Pre-filter | Combined filter |
|----------|------------|-----------------|
| AD Nano+ | A1030190 | A1030191 |

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.*

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

