ABERNETHY BECK INC

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

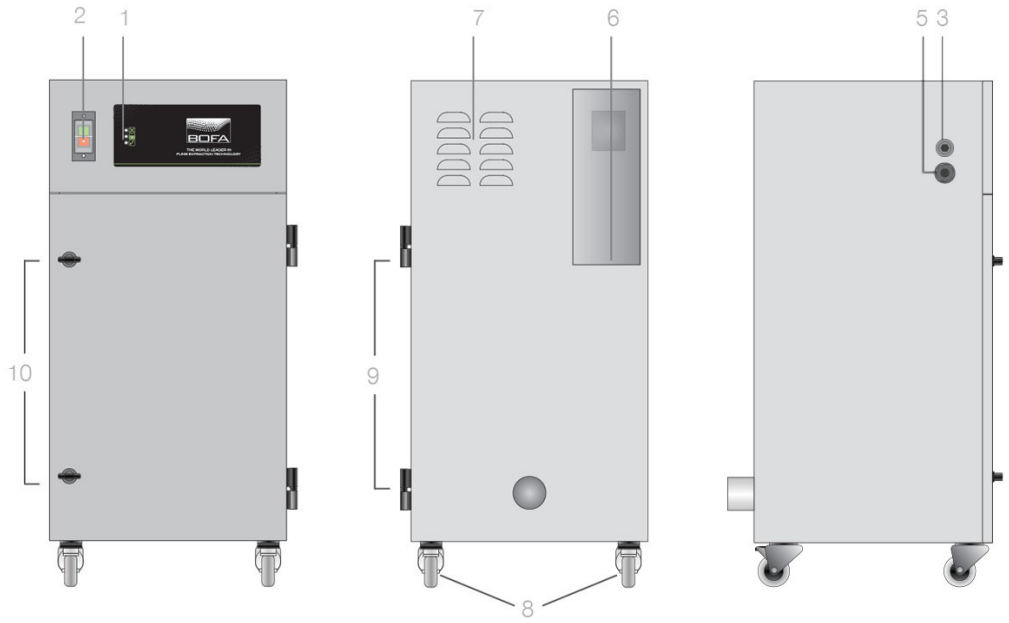
Technical specification

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

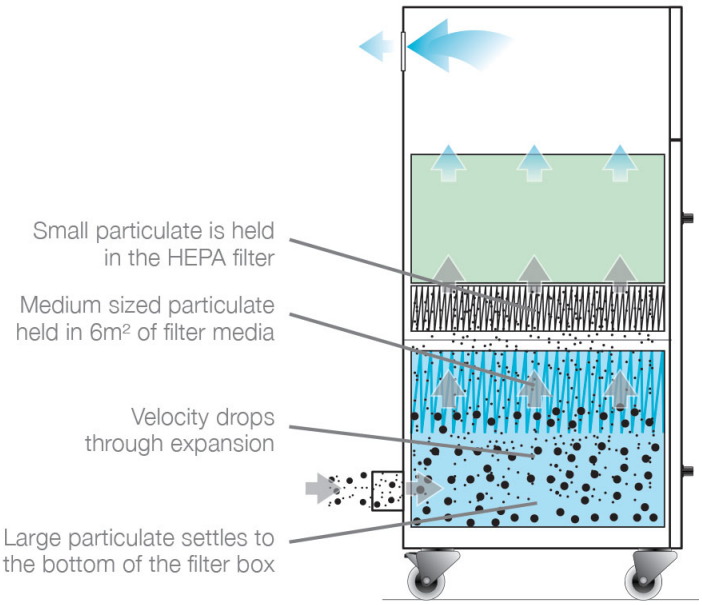
HEPA filter

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	6m² approx (64.5 ft²)
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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