



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



AD Oracle

LASER

Last Updated on 08.04.2021



The complete, global solution for high performance laser fume extraction.

The AD Oracle packs a powerful range of unique features into one compact unit.

The revolutionary auto-voltage sensing turbine automatically self adjusts to run on any voltage worldwide, whilst the Reverse flow filter technology enhances filter performance and ensures longer filter life.

Automatic flow control allows the user to preset correct flow rates, giving lower noise levels and further protection of both the combined filter and the DeepPleat DUO pre filter, which has an impressive 12m² of surface area.

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 Oracle

Auto sensing voltage (90v - 257v) for global use
Standard

DeepPleat DUO pre-filter
Standard

HEPA and gas combined filter
Standard

Automatic flow control
Standard

Advanced carbon filter technology
Standard

Reverse flow
Standard

Contact BOFA at <https://bofainternational.com/en/contact/>

<https://bofainternational.com/en/portal/datasheets/ad-oracle/>



'Easi-seal' filter location

Standard

Small footprint and low noise level

Standard

Interfacing with host laser

Optional

Filter change / system fail signal

Optional

Castors for portability

Standard

VOC gas sensor (Volatile Organic Compound)

Optional

Remote stop / start interfac

Optional

Optional filter medias

Optional

Technical specification

1. Unit / filter condition display
- Automatic flow control

2. On / off switch

3. Power cable

4. Signal / interface cable

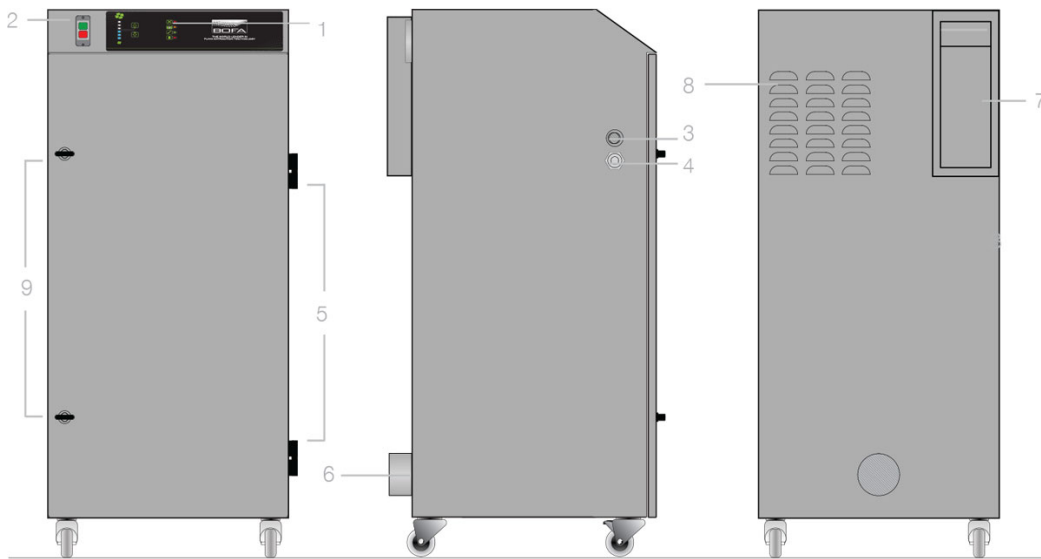
5. Door hinge

6. Hose inlet connection -
75mm







7. Exhaust outlet

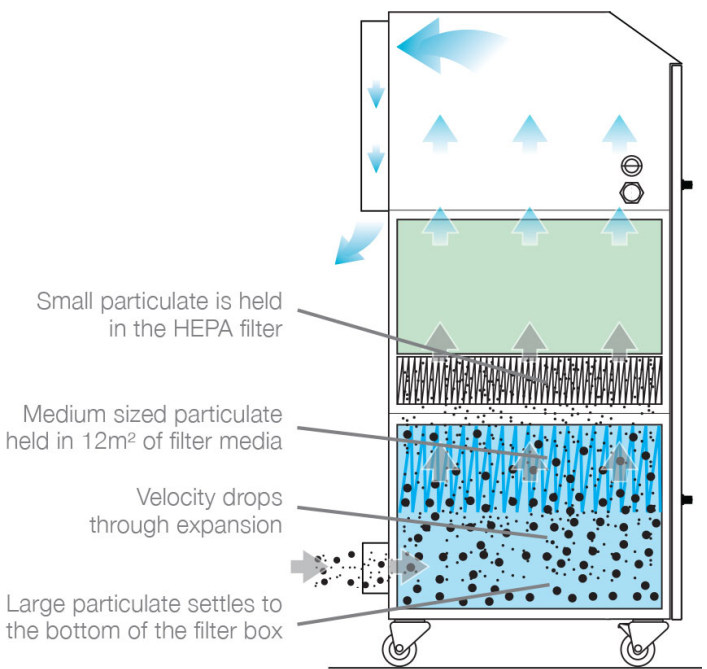
8. Motor cooling inlet

9. Door latch



Airflow through filters

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



Technical data

	EU	US
Dimensions (HxWxD)	955 x 430 x 475 mm	37.60 x 16.93 x 18.70"
Cabinet construction	Brushed stainless steel / Powder coated mild steel	Brushed stainless steel / Powder coated mild steel
Airflow / Pressure	380m ³ /hr / 96mbar	223cfm / 96mbar
Electrical data	90 - 257v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw	90 - 257v 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	65kg	143lbs
Approvals	UKCA and CE	cUL, UL*

DeepPleat DUO pre-filter specifications

Surface media area	12m ² approx (129.12 ft ²)
Filter media	Borosilicate
Filter media construction	Maxi pleat with glue bead spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	75mm (0.24 ft)
Dropout chamber size	16.2 litres
Filter media pleat size	200mm (0.65 ft)

Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	15kgs (33 lbs)
Filter efficiency	99.997% @ 0.3 microns

Part numbers

Model	Part no.	24V stop / start	Filter change / System failure signal	VOC monitoring	Hose kit
AD Oracle stainless steel	L1954A	A2001	A2002	A2003	A1020008 75-50mm
AD Oracle powder coated	L1944A	A2001	A2002	A2003	A1020008 75-50mm

Replacement filters

Model	DeepPleat DUO pre-filter	Combined filter
AD Oracle	A1030156	A1030155

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

Other languages

AD Oracle
[German](#)

Datasheet correct at time of publishing.

Where applicable, the carbon used in BOFA units is capable of removing a wide range of VOC's, 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.

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



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