BOFA ™

A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

AD Oracle

LASER

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

Automatic Flow Control
Standard

DeepPleat DUO pre filter
Standard

Advanced carbon gilter technology
Standard

HEPA and Gas combined filter
Standard

Reverse flow
Standard

Contact BOFA at **https://bofainternational.com/en/contact/**

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

BUILT IN BRITAIN

ISO 9001:2015 Quality Management

AILU

WEEE   RoHS   REACH

'Easi-seal' filter location	Castors for portability
Standard	Standard
Small footprint and low noise level	**VOC gas sensor (Volatile Organic Compound)**
Standard	Optional
Interfacing with host laser	**Remote stop / start interfac**
Optional	Optional
Filter change / System fail signal	**Optional filter medias**
Optional	Optional

Technical specification

1. Unit / filter condition display - Automatic flow control

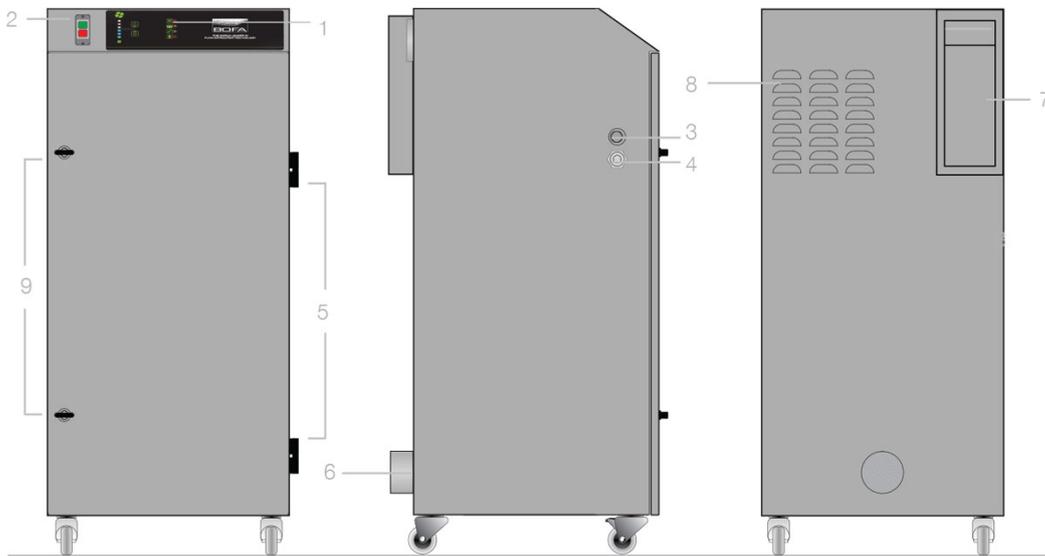**2.** On/off switch

3. Power cable

4. Signal / interface cable

5. Door hinge

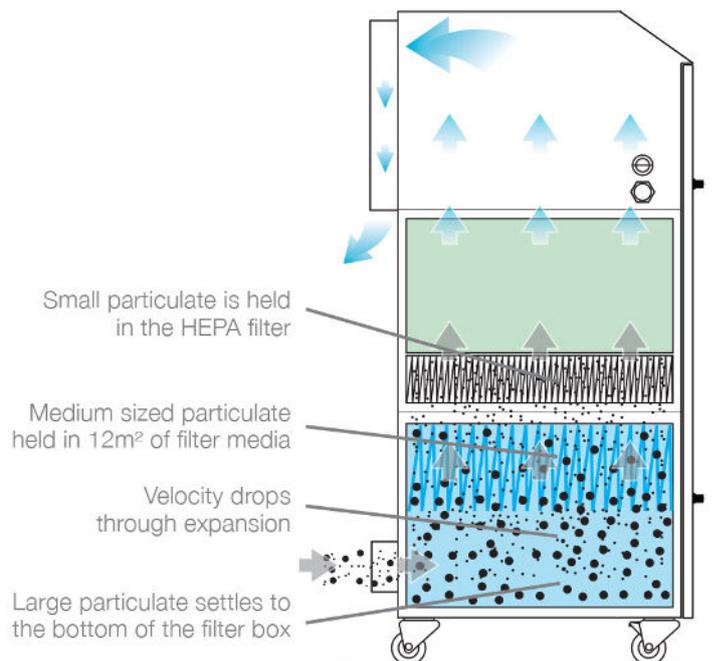**6.** Hose inlet connection - 75mm

7. Exhaust outlet

8. Motor cooling inlet

9. Door latch

Airflow through filters

Chemical filter	
HEPA filter	
Pre filter	
Clean air	
Contaminated air	
Particulate	

Small particulate is held in the HEPA filter

Medium sized particulate held in 12m² of filter media

Velocity drops through expansion

Large particulate settles to the bottom of the filter box

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	380m³/hr / 96mbar	223cfm / 96mbar
Electrical data	90 - 257v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw	90 - 257v 1ph 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	CE	cUL, UL

DeepPleat DUO pre filter specifications

Surface media area	12m² approx (129.12 ft²)
Filter media	Glass fibre
Filter media construction	Maxi Pleat with webbing spacer
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	Glass fibre
HEPA media construction	Maxi pleat construction with webbing 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

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.