



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY



AD Fusion

LASER

Last Updated on 08.04.2021



The entry level fume extractor for laser coding, marking and engraving systems.

The AD Fusion has been designed to work with the new generation of low cost laser systems where effective fume extraction is needed in order to maintain safe operator working conditions and assured product quality.

The AD Fusion provides high performance at affordable prices and is ideally matched with small laser systems.

A three stage filter condition indicator is included as a standard feature, together with three stage filtration; pre filter, HEPA and chemical section.

Technology



DeepPleat pre-filter



HEPA filter



Advanced carbon filter technology



Automatic flow control technology



ProTECT service plan



SureCHECK quality standard

Key features of the AD Fusion

Automatic flow control
Standard

DeepPleat pre-filter
Standard

Long life, low cost replacement filters
Standard

Small footprint
Standard

Remote stop / start interface
Optional

Filter condition indicator
Standard

Advanced carbon filter technology
Standard

Low noise levels
Standard

VOC gas sensor (Volatile Organic Compound)
Optional

Filter change / System fail signal
Optional

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

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









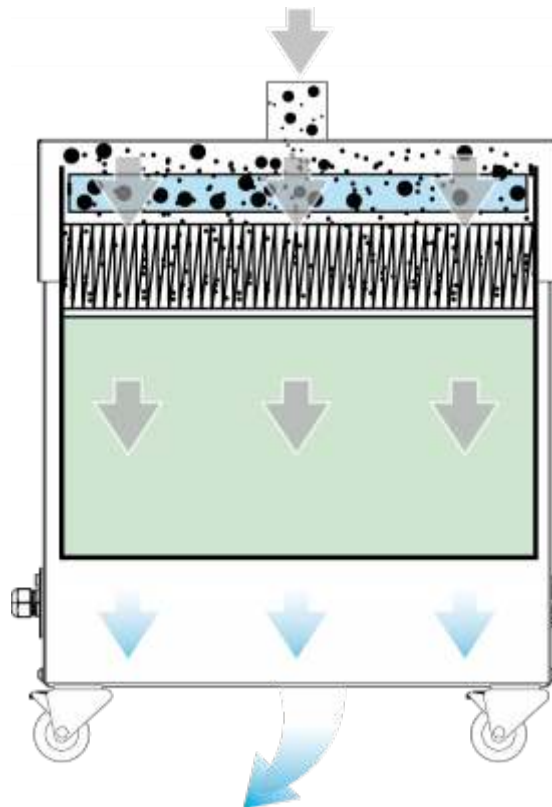
Technical specification

- | | | | |
|--|------------------------------------|----------------------|-----------------------------|
| 1. Unit/filter condition display
- Automatic flow control | 2. On / off switch | 3. Power cable inlet | 4. Signal / interface inlet |
| 5. Filter compartment latch | 6. Hose inlet connection -
50mm | 7. Exhaust outlet | 8. Motor cooling inlet |
| 9. Castors | | | |



Airflow through filters

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



Technical data

	EU	US
Dimensions (HxWxD)	535 x 360 x 440mm	21 x 18 x 15"
Cabinet construction	Brushed stainless steel	Brushed stainless steel
Airflow / pressure	285m ³ /hr / 24mbar	167cfm / 24mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 2 amps / 0.305kw	230v Single-phase 1~ 50/60Hz Full load current: 2 amps / 0.305kw
Noise level	< 74dBA at typical operating speed	< 74dBA at typical operating speed
Weight	33kg	73lbs
Approvals	UKCA and CE	UKCA and CE

Pre-filter specifications

Surface media area	7.5m ² approx. (80.7 ft ²)
Filter media	Borosilicate
Filter media construction	Pleated with glue bead spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns

Combined filter specifications

Treated activated carbon	8kgs (17.6 lbs)
Filter media	Borosilicate
Filter housing	Zintec mild steel
HEPA surface media area	3.75m ² approx. (40.35 ft ²)
Filter efficiency	99.997% @ 0.3 microns

Part numbers

Model	Voltage	Part number	24V stop / start	Filter change / System failure signal	VOC monitoring
AD Fusion Stainless steel	230V	L4852	A2001	A2002	A2003

Replacement filters

Model	DeepPleat pre-filter	Combined filter
AD Fusion	A1030167	A1030298

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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