



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# AD 4000

LASER

Last Updated on 28.08.2018



High airflow laser fume extraction system for the laser marking, coding and engraving industries.

BOFA's AD4000 laser fume extraction unit combines large filter capacity with high airflows. This combination makes the AD4000 ideal for large laser engravers, laser cutters as well as multiple laser coding installations.

Easily accessible filters are accommodated by the uniquely styled gas spring assisted 'Gull Winged' doors, which allow for maximum space and ease when changing filters. Unit interfaces such as stop/start and system failure are available as options.

## Technology



HEPA filter



Automatic flow control (AFC) technology



Advanced carbon filter (ACF) technology



ProTECT service plan



SureCHECK quality standard

## Key features of the AD 4000

**Blower with high airflow**  
Standard

**Long life filters with low replacement costs**  
Standard

**Built in silencing**  
Standard

**Automatic flow control system**  
Standard

**Remote stop / start interface**  
Optional

**DeepPleat pre filter**  
Standard

**Filter condition display**  
Standard

**Unique gas spring assisted 'Gull Winged' doors for filter access**  
Standard

**VOC gas sensor (Volatile Organic Compound)**  
Optional

**Filter change / System fail signal**  
Optional

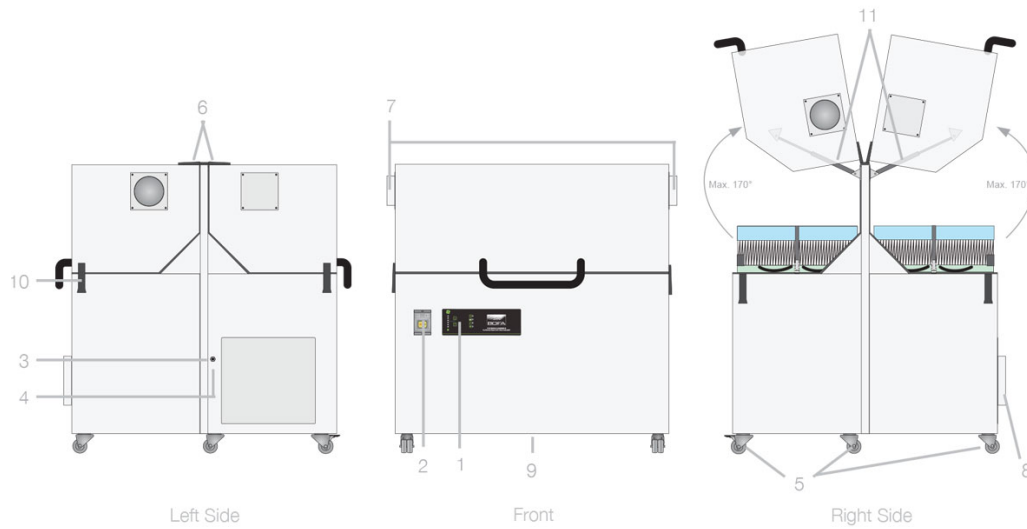
Contact BOFA at <https://bofainternational.com/en/contact/>

<https://bofainternational.com/en/portal/datasheets/ad-4000/>

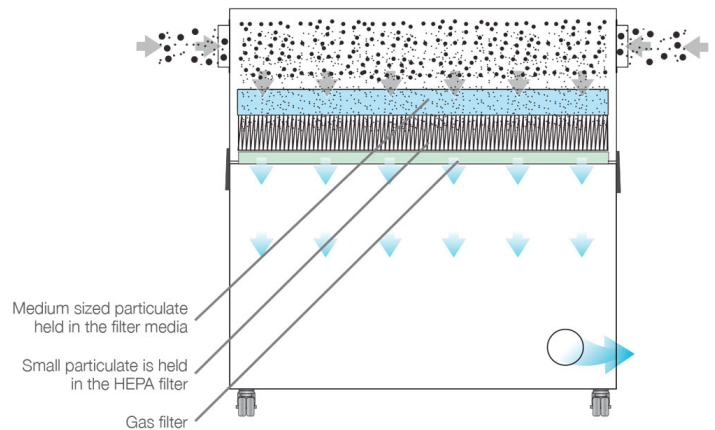
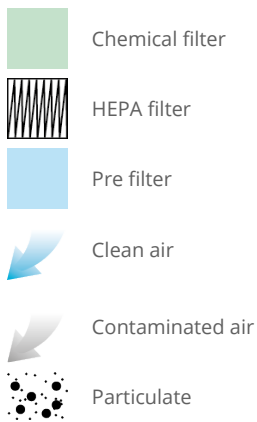


## Technical specification

- |   |                    |                                  |                           |
|---|--------------------|----------------------------------|---------------------------|
| 1. Unit / Filter condition Display - Automatic Flow control | 2. On / off switch | 3. Signal / Interface cable      | 4. Power cable            |
| 5. Castors  | 6. Door hinges     | 7. Hose inlet connection - 150mm | 8. Exhaust outlet - 250mm |
| 9. Motor cooling inlet                                      | 10. Door latch     | 11. Gas springs                  |                           |



## Airflow through filters



## Technical data

	EU	US
Dimensions (HxWxD)	1475 x 1450 x 1500mm	58 x 57 x 59"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / Pressure	4000m <sup>3</sup> /hr / 30mbar	2354cfm / 30mbar
Electrical data	207v - 253v / 3ph / 50Hz / 4kw / 13.5A	238V - 290V / 3ph / 60Hz / 4.0kw / 7.0A
	360v - 440v / 3ph / 50Hz / 4kw / 7.8A	415V - 505V / 3ph / 60Hz / 4.0kw / 12.1A
Noise level	< 65dBA (at typical operating speed)	< 65dBA (at typical operating speed)
Weight	460kgs	1014lbs

## DeepPleat pre filter specifications

Surface media area	36m <sup>2</sup> approx (387.3 ft <sup>2</sup> )
Filter media	Glass fibre
Filter media construction	Folded pleat
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns

## Combined filter HEPA/Gas specifications

HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Treated activated carbon	140kgs (308 lbs)
Filter efficiency	99.997% @ 0.3 microns

## Part numbers

Model	Part No.	24V Stop / Start	Filter change / System failure signal	VOC monitoring
AD 4000 powder coated	L2643A	A2001	A2002	A2003

## Replacement filters

Model	DeepPleat pre filter	HEPA filter	Gas filter
AD 4000	A1030187	A1030184	A1030188

## Other languages

AD 4000  
[French](#)

*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.*

