



THE WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# AD 1000 iQ

LASER

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High performance laser fume extraction system for applications in laser marking, coding and engraving.

BOFA's AD 1000 iQ high end laser extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Performance is enhanced with the inclusion of several features including BOFA's patented DeepPleat DUO pre filter and the acclaimed iQ Operating System. These take performance and safety parameters to a new level and ensures that maintenance, downtime and ownership costs are kept to a minimum.

## Technology



Intelligent (iQ) Operating System



DeepPleat DUO pre filter



HEPA filter



Automatic flow control (AFC) technology



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



Patented technology



ProTECT service plan



SureCHECK quality standard

## Key features of the AD 1000 iQ

iQ Operating system  
Standard

Reverse flow air filter technology  
Standard

Automatic flow control system  
Standard

High airflow and pressure rates  
Standard

DeepPleat DUO pre filter  
Standard

Real time airflow reading  
Standard

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

<https://bofainternational.com/en/portal/datasheets/ad-1000-iq/>



**High contrast display**

Standard

**Remote diagnostics via USB**

Standard

**Combined HEPA/Gas filter incorporating ACF technology**

Standard

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

Optional

**Filter change / System fail signal**

Optional

**Optional filter medias**

Optional

**'Run safe' operation**

Standard

**Independent filter condition monitoring, display and warnings**

Standard

**Filters with long life and low replacement cost**

Standard

**Remote stop / start interface**

Optional

**Interfacing with host laser**

Optional

### Technical specification

1. iQ Display

2. On / off switch

3. Power cable

4. Signal / interface cable

5. Castors

6. Door hinge

7. Hose inlet connection - 125mm

8. Exhaust outlet

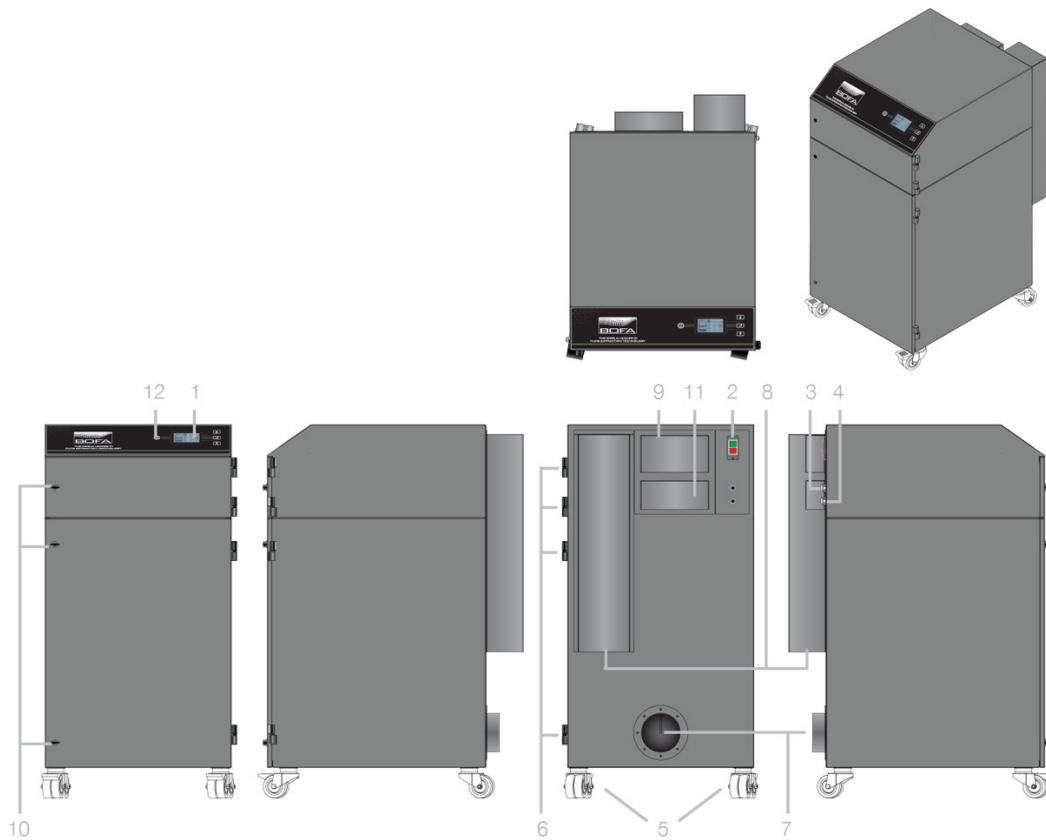
9. Motor cooling inlet

10. Door latch

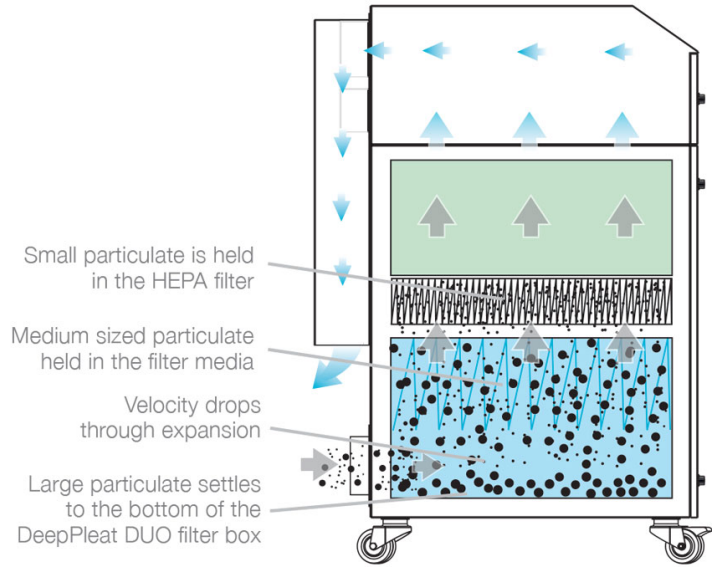
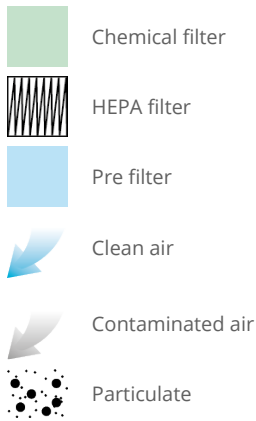
11. Motor cooling outlet

12. Standby button

13. Larger exhaust/Inlet silencing box



## Airflow through filters



## Unit part numbers

Model	Voltage	Part No.	24V Stop / Start	Filter change / System failure signal	VOC monitoring	On-board compressor	Larger exhaust silencing boxes
AD 1000 iQ powder coated	230V	L0762	A2001	A2002	A2003	A2007	A1060094
AD 1000 iQ powder coated	115V	L0761	A2001	A2002	A2003	A2007	A1060094
AD 1000 iQ stainless steel	230V	L0772	A2001	A2002	A2003	A2007	A1060094
AD 1000 iQ stainless steel	115V	L0771	A2001	A2002	A2003	A2007	A1060094

## Replacement filter part numbers

Model	DeepPleat DUO pre filter	Combined HEPA/Gas filter
AD 1000 iQ	A1030222	A1030297

## Technical data

	EU	US
Dimensions (HxWxD)	1205 x 600 x 795mm	47.44 x 23.63 x 31.30"
Cabinet construction	Brushed stainless steel / Powder coated mild steel	Brushed stainless steel / Powder coated mild steel 500cfm / 100mbar
Airflow / Pressure	850m <sup>3</sup> /hr / 100mbar	500cfm / 100mbar
Electrical data	230v 1ph 50/60Hz Full load current: 12.8 amps / 2.2kw	115v 60/50Hz Full load current: 19.5 amps / 2.2kw
Noise level	< 63dBA (at typical operating speed) < 58dBA - with rear silencing boxes fitted (at typical operating speed)	< 63dBA (at typical operating speed) < 58dBA - with rear silencing boxes fitted (at typical operating speed)

## Technical data

Weight	140kg	309lbs
Approvals	CE	cUL

## DeepPleat DUO pre filter specifications

Surface media area	30m <sup>2</sup> approx
Filter media	Glass fibre
Filter media construction	Maxi fold construction with webbing spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	125mm
Dropout chamber size	58 litres
Filter media pleat size	200mm

## Combined filter HEPA/Gas specifications

Surface media area	7.5m <sup>2</sup> approx
HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Treated activated carbon	34kgs
Filter efficiency	99.997% @ 0.3 microns

## Other languages

AD 1000 iQ  
[German](#)

AD 1000 iQ  
[Japanese](#)

AD 1000 iQ  
[French](#)

*Datasheet correct at time of publishing. For specific applications, please contact us for details.*

