



A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD 1000 iQ

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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 Intelligent Operating System (iQ). These take performance and safety parameters to a new level and helps keep maintenance, downtime and ownership costs to a minimum.

More information about the [Intelligent Operating System \(iQ\)](#).

Technology

- 
Intelligent Operating System (iQ)
- 
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

High airflow and pressure rates
Standard

DeepPleat DUO pre-filter
Standard

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

<https://bofainternational.com/en/portal/datasheets/ad-1000-iq-2/>



Approvals: REACH and RoHS. See individual product technical data for specific accreditations

Automatic flow control system

Standard

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

Real time airflow reading

Standard

'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

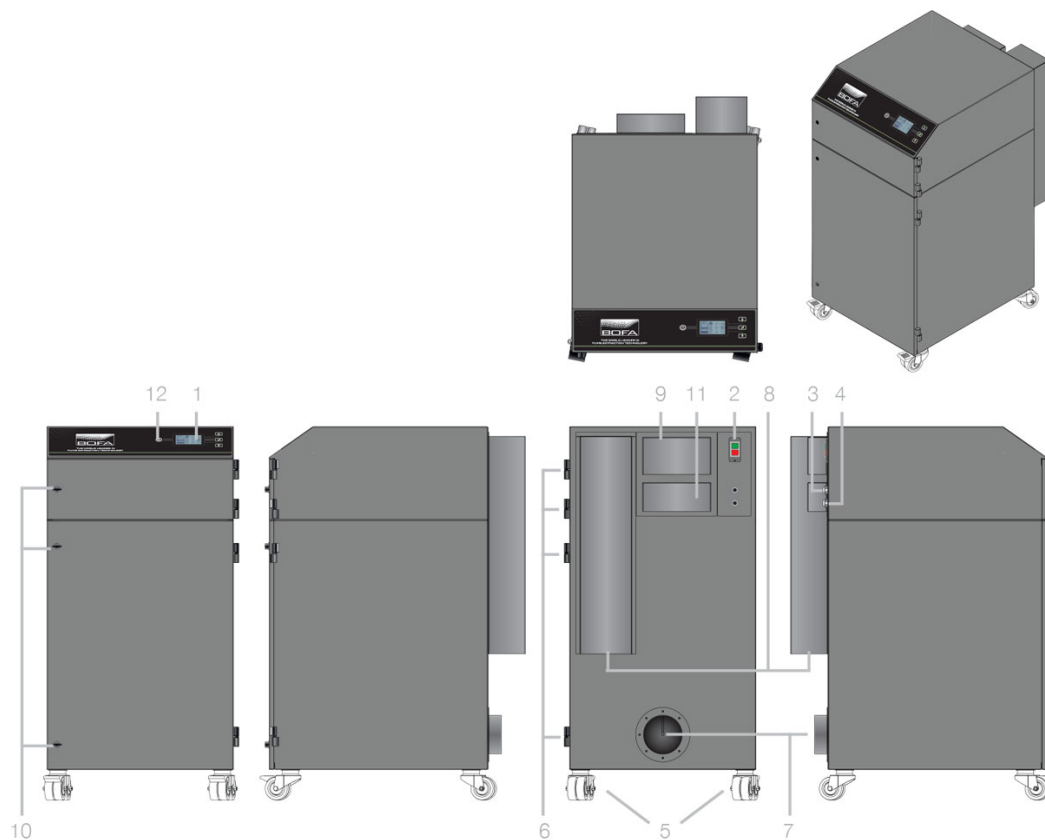
8. Exhaust outlet

9. Motor cooling inlet

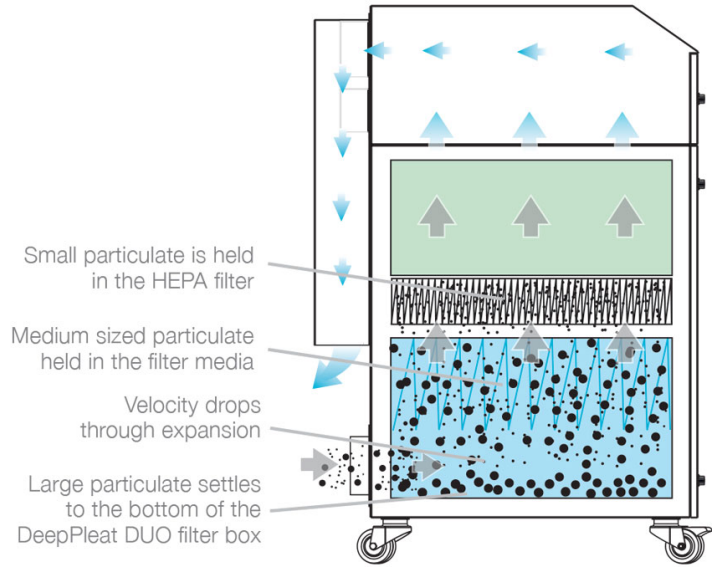
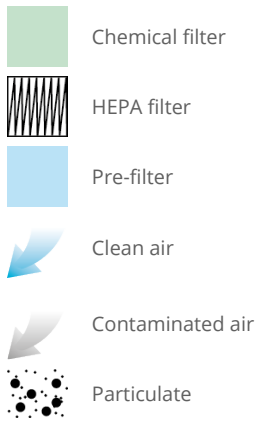
10. Door latch

11. Motor cooling outlet

12. Standby button



Airflow through filters



Technical data

| | EU | US |
|----------------------|---|---|
| Dimensions (HxWxD) | 1205 x 615 x 790mm | 47.44 x 24.21 x 31.10" |
| Cabinet construction | Brushed stainless steel / Powder coated mild steel | Brushed stainless steel / Powder coated mild steel 500cfm / 100mbar |
| Airflow / pressure | 850m ³ /hr / 100mbar | 500cfm / 100mbar |
| Electrical data | 230v Single-phase 1~ 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) | < 63dBA (at typical operating speed) |
| Weight | 140kg | 309lbs |
| Approvals | UKCA and CE | cUL, UL* |

DeepPleat DUO pre-filter specifications

| | |
|---------------------------|---|
| Surface media area | 30m ² approx (322.8ft ²) |
| Filter media | Borosilicate |
| Filter media construction | Maxi fold construction with webbing spacers |
| Filter housing | Zintec mild steel |
| Filter efficiency | 95% @ 0.9 microns |
| Inlet size | 125mm (0.41ft) |
| Dropout chamber size | 58 litres |
| Filter media pleat size | 200mm (0.65ft) |

Combined filter HEPA / gas specifications

| | |
|-------------------------|---|
| Surface media area | 7.5m ² approx (80.7ft ²) |
| HEPA filter media | Borosilicate |
| HEPA media construction | Maxi pleat construction with glue bead spacers |
| Filter housing | Zintec mild steel |

Combined filter HEPA / gas specifications

| | |
|--------------------------|-----------------------|
| Treated activated carbon | 34kgs (74.8 lbs) |
| Filter efficiency | 99.997% @ 0.3 microns |

Unit part numbers

| Model | Voltage | Part no. | 24V stop / start | Filter change / system failure signal | VOC monitoring | On-board compressor |
|----------------------------|---------|----------|------------------|---------------------------------------|----------------|---------------------|
| AD 1000 iQ powder coated | 230V | L0762 | A2001 | A2002 | A2003 | A2007 |
| AD 1000 iQ powder coated | 115V | L0761 | A2001 | A2002 | A2003 | A2007 |
| AD 1000 iQ stainless steel | 230V | L0772 | A2001 | A2002 | A2003 | A2007 |
| AD 1000 iQ stainless steel | 115V | L0771 | A2001 | A2002 | A2003 | A2007 |

Replacement filter part numbers

| Model | DeepPleat DUO pre-filter | Combined HEPA / gas filter |
|------------|--------------------------|----------------------------|
| AD 1000 iQ | A1030222 | A1030297 |

* 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 1000 iQ
[French](#)

AD 1000 iQ
[Chinese](#)

AD 1000 iQ
[Japanese](#)

AD 1000 iQ
[German](#)

Datasheet correct at time of publishing.

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

Important Notice: Many factors beyond the control of BOFA can affect the use and performance of BOFA products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

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