

## AD 1500 iQ

**LASER**

Last Updated on 19.12.2018



High performance laser fume extraction system for heavy duty applications in the laser marking, coding and engraving industries.

BOFA's AD 1500 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 has been further enhanced with the inclusion of several features including BOFA's acclaimed iQ Operating System, making the AD 1500 iQ one of the most advanced systems available.

The iQ system takes performance and safety parameters to a new level and ensures that maintenance, downtime and ownership costs are kept to a minimum.

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

### 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 1500 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-1500-iq/>

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

Standard

**Real time airflow reading**

Standard

**High contrast display**

Standard

**Remote diagnostics via USB**

Standard

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

Optional

**Filter change / System fail signal**

Optional

**Optional filter medias**

Optional

**Automatic flow control system**

Standard

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

Standard

**'Run safe' operation**

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

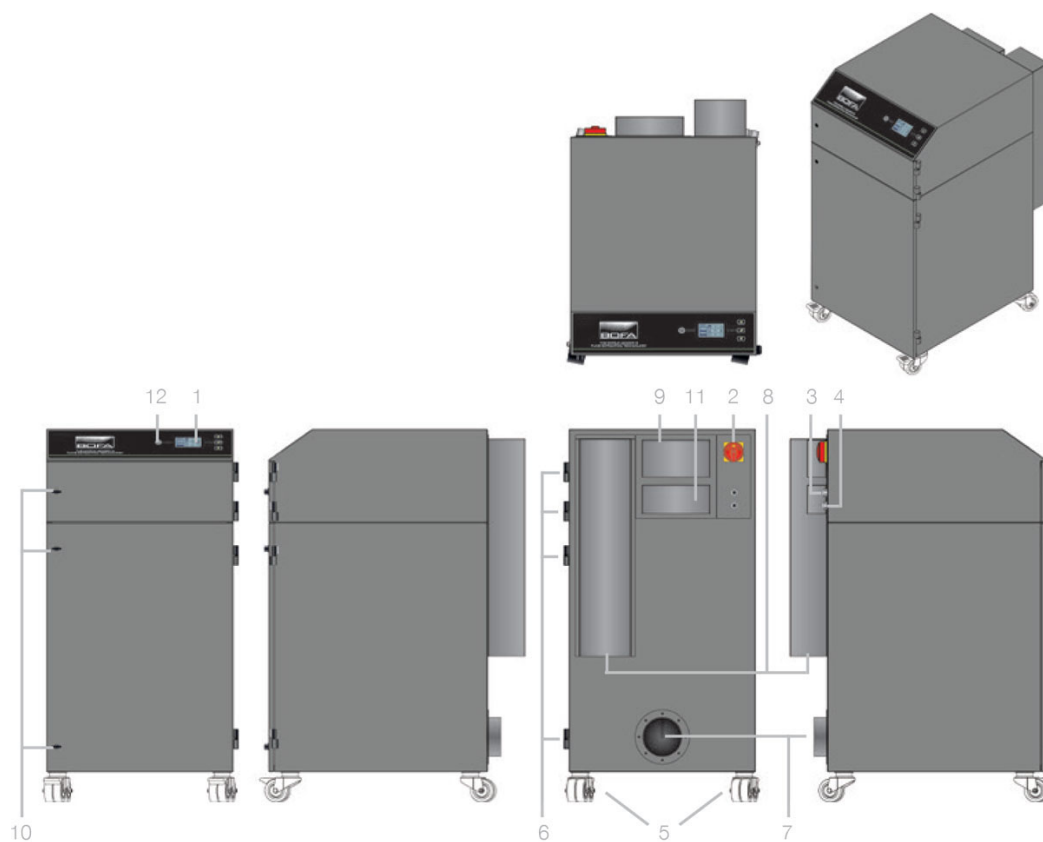
8. Exhaust outlet

9. Motor cooling inlet

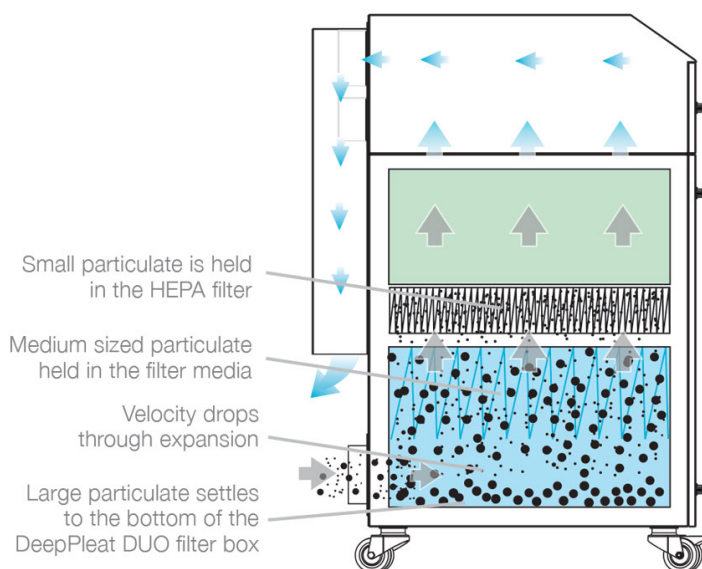
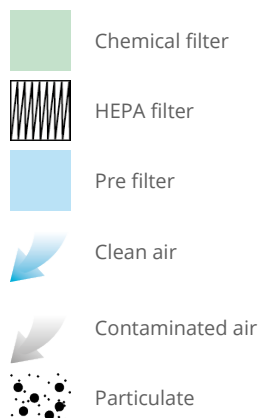
10. Door latch

11. Motor cooling outlet

12. Standby button



## Airflow through filters



### Technical data

	EU
Dimensions (HxWxD)	1205 x 615 x 790mm (47.44 x 24.21 x 31.10")
Cabinet construction	Brushed stainless steel / Powder coated mild steel
Airflow / Pressure	1250m³/hr (735cfm) / 100mbar
Electrical data	230v 1ph 50/60Hz Full load current: 24 amps / 3.3kw
	415v 3ph 50/60Hz Full load current: 8.5A Pr phase / 14.5A neutral
Noise level	< 68dBA (at typical operating speed)
Weight	146kgs (322lbs)
Approvals	CE / cUL / UL

### DeepPleat DUO pre filter specifications

Surface media area	30m² approx (322.8 ft²)
Filter media	Glass fibre
Filter media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	125mm (0.41 ft)
Dropout chamber size	58 litres
Filter media pleat size	200mm (0.65 ft)

### Combined HEPA/Gas filter specifications

Surface media area	7.5m² approx (80.7 ft²)
HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel

## Combined HEPA/Gas filter 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
AD 1500 iQ powder coated	230V	L0862	A2001	A2002	A2003
AD 1500 iQ powder coated	3Ph	L0863	A2001	A2002	A2003
AD 1500 iQ stainless steel	230V	L0872	A2001	A2002	A2003
AD 1500 iQ stainless steel	3Ph	L0873	A2001	A2002	A2003

## Replacement filter part numbers

Model	DeepPleat DUO pre filter	Combined filter
AD 1500 iQ	A1030222	A1030297

## Other languages

AD 1500 iQ  
[German](#)

AD 1500 iQ  
[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.*