BOFA™
A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

AD 1500 iQ

LASER

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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.

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

High airflow and pressure rates
Standard

Reverse flow air filter technology
Standard

DeepPleat DUO pre filter
Standard

Maxder Group S.r.l.
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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

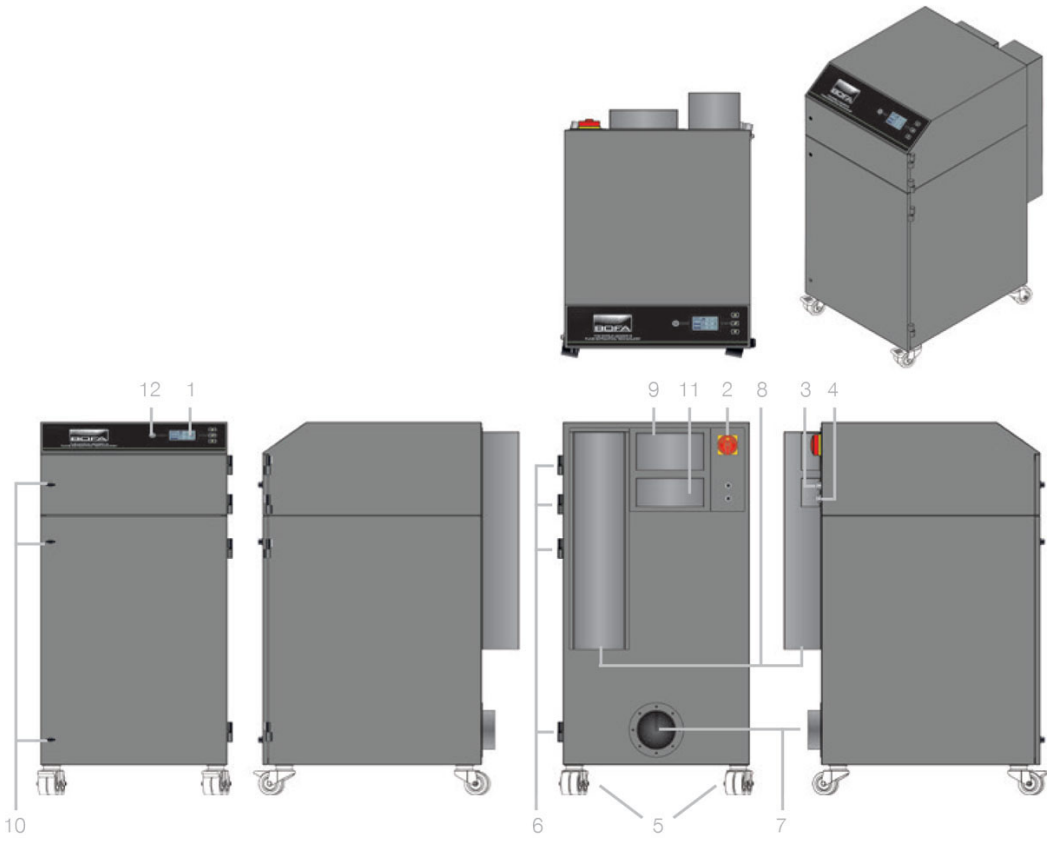
Filters with long life and low replacement cost
Standard

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

Chemical filter

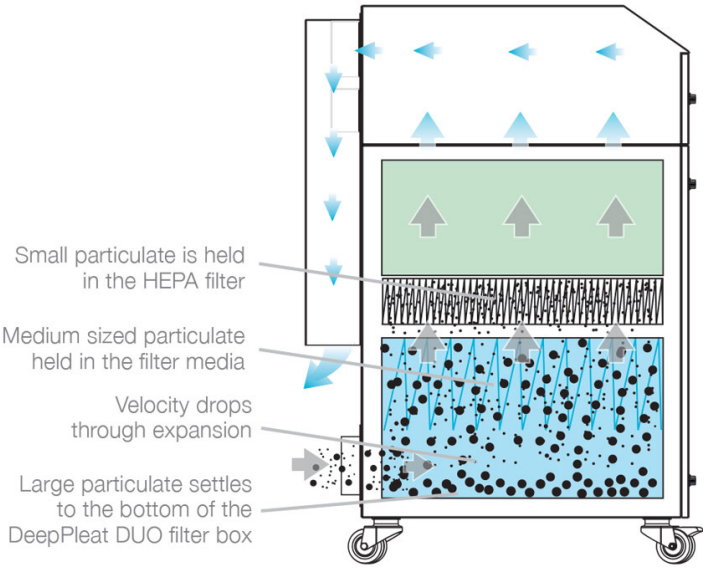
HEPA filter

Pre filter

Clean air

Contaminated air

Particulate



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

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