BOFA™
A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

AD 4000 iQ

LASER

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The AD 4000 iQ delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up from the triple DeepPleat DUO and combined filter setup.

This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes and the easy to read and access controls display panel is conveniently located on top of the unit.

The AD 4000 iQ design permits greater flexibility. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

More information about the Intelligent (iQ) Operating System.

Technology

- Intelligent (iQ) Operating System
- DeepPleat DUO
- HEPA filter
- Automatic flow control technology
- Reverse flow air technology
- Advanced carbon filter technology
- Patented technology
- ProTECT service plan
- SureCHECK quality standard

Key features of the AD 4000 iQ

iQ Operating system
Standard

3 x DeepPleat DUO pre filters
Standard

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

Reverse flow air filter technology
Standard

Blowers with high airflow and vacuum levels
Standard

Real time airflow reading
Standard

Remote diagnostics via USB
Standard

Long life filters with low replacement cost
Standard

Remote stop / start interface
Optional

VOC gas sensor (Volatile Organic Compound)
Optional

On-board compressor
Optional

Combined HEPA/Gas filter incorporating ACF technology
Standard

High contrast display
Standard

Filter status warnings
Standard

Independent filter condition monitoring
Standard

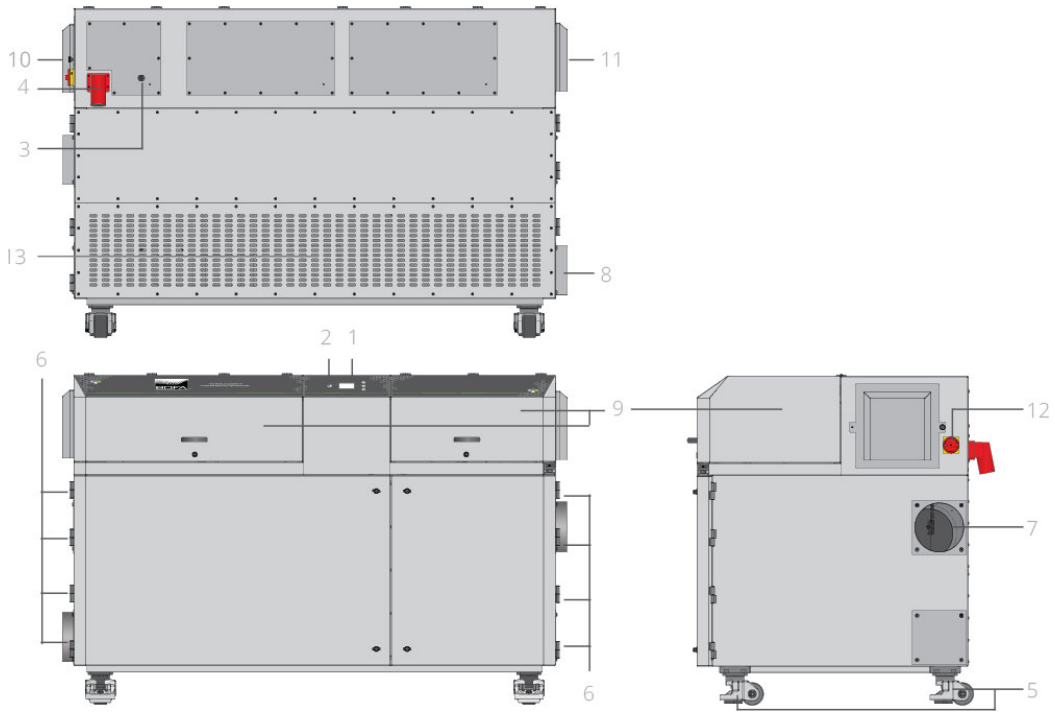
'Run safe' operation (filters must be installed correctly for the unit to operate)
Standard

Filter change / System fail signal
Optional

Interfacing with host laser
Optional

Technical specification

1 iQ Display
2 Standby button
3 Signal / interface cable
4 Power cable inlet
5 Adjustable locking castors
6 Door hinges
7 Exhaust outlet
8 Hose inlet connection - 200mm
9 Removable front panels
10 Motor cooling inlet
11 Motor cooling outlet
12 On / off switch
13 Exhaust outlet vent



Airflow through filters

Chemical filter

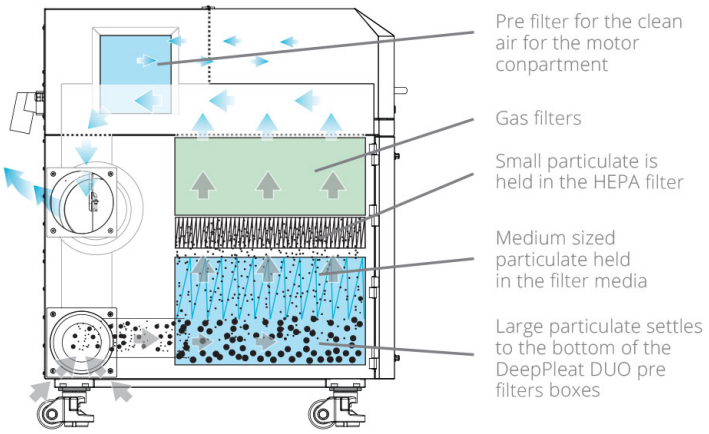
HEPA filter

Pre filter

Clean air

Contaminated air

Particulate



Technical data

	EU	US
Dimensions (H x W x D) (height varies due to adjustable castors)	1300 x 1955 x 1100mm	51.18 x 76.97 x 43.31"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow/Pressure	2900m³/hr / 44mbar	1705cfm / 44mbar
Electrical data	(EU) 415V / 3Ph / 50Hz / 6.6kw / 16A / L1, L2, L3 17A - N 1A	(EU) 415V / 3Ph / 50Hz / 6.6kw / 16A / L1, L2, L3 17A - N 1A
Noise level	< 82dBA (at typical operating speed)	< 82dBA (at typical operating speed)
Weight	580kgs	1276lbs
Approvals	CE	CE

3 x Combined HEPA/Gas filter specifications

Surface media area	7.5m² approx x 3 (22.5m²) 80.7 ft² approx x 3 (242.1 ft²)
HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Treated activated carbon	34kgs (102kgs) 74.8 lbs (224.4 lbs)
Filter efficiency	99.997% @ 0.3 microns

3 x DeepPleat DUO pre filter specifications

Surface media area	30m² approx x 3 (90m²) 322.8 ft² approx x 3 (968.4 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 (0.41ft)
Dropout chamber size	58 litres x 3 (174 litres)

3 x DeepPleat DUO pre filter specifications

Filter media pleat size	200mm x 3 (600mm) 0.65ft x 3 (1.95ft)

Unit part numbers

Model	24V Stop / Start	Filter change / System failure signal	VOC monitoring	Part no.
AD 4000 iQ powder coated	YES	YES	NO	296295812128-1743
AD 4000 iQ powder coated	YES	YES	YES	304395812128-1743

Replacement filter part numbers

Model	Triple pack DeepPleat DUO pre filters	Triple pack combined HEPA/Gas filters
AD 4000 iQ	A1030407	A1030406

Other languages

AD 4000 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.

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