



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# AD 2000 iQ

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The AD 2000 iQ laser fume extraction unit packs a heavyweight punch with unsurpassed filter capacity and high performance.

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 iQ Operating System is Patent-protected and has received global acclaim for its ability to maximise manufacturing performance and continuity of production.

The AD 2000 iQ's design also permits greater flexibility of different exhaust installations. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

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 2000 iQ

iQ Operating System  
Standard

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

2 x DeepPleat DUO pre-filters  
Standard

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

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

<https://bofainternational.com/en/portal/datasheets/ad-2000-iq/>



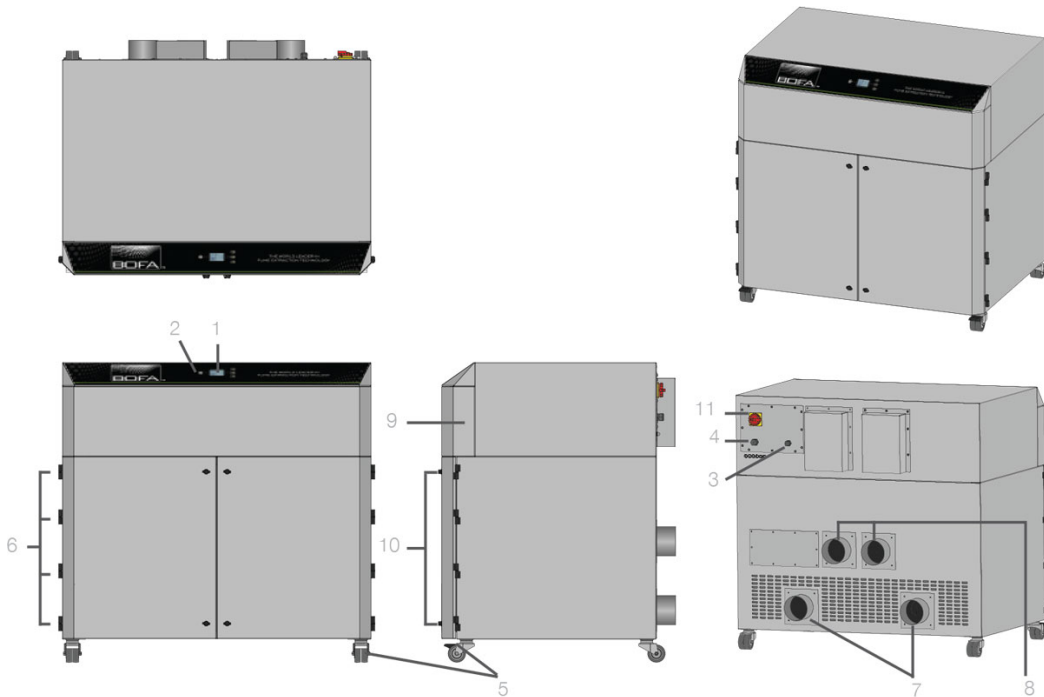
Remote stop / start interface  
Optional

VOC gas sensor (Volatile Organic Compound)  
Optional

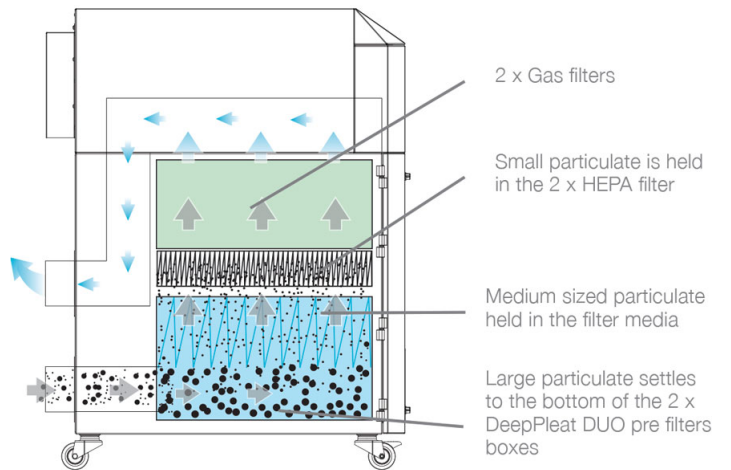
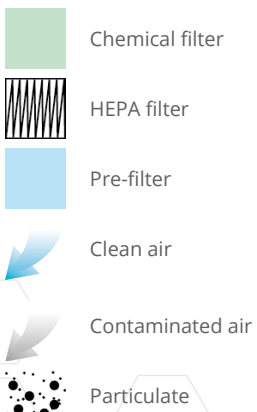
Filter change / system fail signal  
Optional

## Technical specification

- 1. iQ display
- 2. Standby button
- 3. Signal / interface cable
- 4. Power cable
- 5. Locking castors
- 6. Door hinges
- 7. Hose inlet connection - 125mm
- 8. Optional exhaust outlet connections - 125mm
- 9. Removable front panel
- 10. Door latches
- 11. On / off switch



## Airflow through filters



## Technical data

	EU
Dimensions (HxWxD)	1280 x 1360 x 1005mm (50.39 x 53.54 x 39.57")
Cabinet construction	Powder coated mild steel
Airflow / pressure	2500m <sup>3</sup> /hr / 96mBar (1471cfm / 96mBar)
Electrical data	(EU) 415v / Three-phase 3~ / 50Hz / 6.6kw / L1, L2, L3 16A - N 28A (USA) 208V / Three-phase 3~ / 60Hz / 6.6kw / L1, L2, L3 20A - N 35A
Noise level	< 75dBA (at typical operating speed)
Weight	340kgs (750lbs)
Approvals	UKCA and CE

## 2 x combined HEPA/Gas filter specifications

Surface media area	15m <sup>2</sup> (7.5m <sup>2</sup> ) approx 161.4 ft <sup>2</sup> (80.7 ft <sup>2</sup> ) approx
HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	34kgs (68kgs) 74.8 lbs (149.6 lbs)
Filter efficiency	99.997% @ 0.3 microns

## 2 x DeepPleat DUO pre-filter specifications

Surface media area	30m <sup>2</sup> approx x 2 (60m <sup>2</sup> ) 322.8 ft <sup>2</sup> approx x 2 (645.6ft <sup>2</sup> )
Filter media	Borosilicate
Filter media construction	Maxi fold construction with glue bead spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	125mm (0.41 ft)
Dropout chamber size	58 litres x 2 (116 litres)
Filter media pleat size	200mm x 2 (400mm) 0.65 ft x 2 (1.3ft)

## Unit part numbers

Model	Part no.	24V stop / start	Filter change / System failure signal	VOC monitoring
AD 2000 iQ powder coated	L5244	A2001	A2002	A2003

## Replacement filter part numbers

Model	Twin pack DeepPleat DUO pre-filters	Twin pack combined HEPA/Gas filters
AD 2000 iQ	A1030336	A1030335

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## Other languages

AD 2000 iQ  
[French](#)

AD 2000 iQ  
[Chinese](#)

AD 2000 iQ  
[German](#)

*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.*

