



LASER Fume Extraction Solutions

AD 4000 iQ

High performance **laser fume extraction** system for applications in laser **cutting**.

The AD 4000 iQ's technology delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. Thanks to the vacuum/pressure which is greater than that of its predecessor. 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 iQ Operating System is Patent-protected and has received global acclaim for its ability to maximise manufacturing performance and continuity of production.

The AD 4000 iQ's design also permits greater flexibility with different exhaust installation configurations, allowing recirculation via the rear panel or externally vented hose connection systems.

Independent filter monitoring

- Real time pre filter condition
- Real time main filter condition
- Internal unit temperature

Run time

- Target airflow set point
- Actual airflow in CFM or M³/hr

Powder-Coated

3 x DeepPleat DUO pre filters and combined HEPA/chemical filters

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STANDARD FEATURES:

- iQ Operating System
- DeepPleat DUO pre filters
- Reverse Flow Air technology
- Combined HEPA/Gas filter incorporating ACF technology
- Blowers with high airflow and vacuum levels
- High contrast display
- Real time airflow reading
- Filter status warnings
- Remote data diagnostics via USB
- Independent filter condition monitoring
- Long life filters with low replacement costs
- 'Run safe' operation (filters must be installed correctly for the unit to operate)

OPTIONAL FEATURES:

- Remote stop / start interface
- Filter change / System fail signal
- VOC gas sensor (Volatile Organic Compound)
- Interfacing with host laser
- On-board compressor

Take a look at the iQ animation, which explains exactly why the patented BOFA iQ Operating System provides unrivalled control and data management for your fume extraction unit.

Patented Technology - Patent No: GB2 499 812

UNIT - PART NUMBERS				
Model	24V Stop / Start	Filter change / System failure signal	VOC Monitor	Part No.
AD 4000 iQ Powder Coated	✓	✓		296295812128-1743
	✓	✓	✓	304395812128-1743

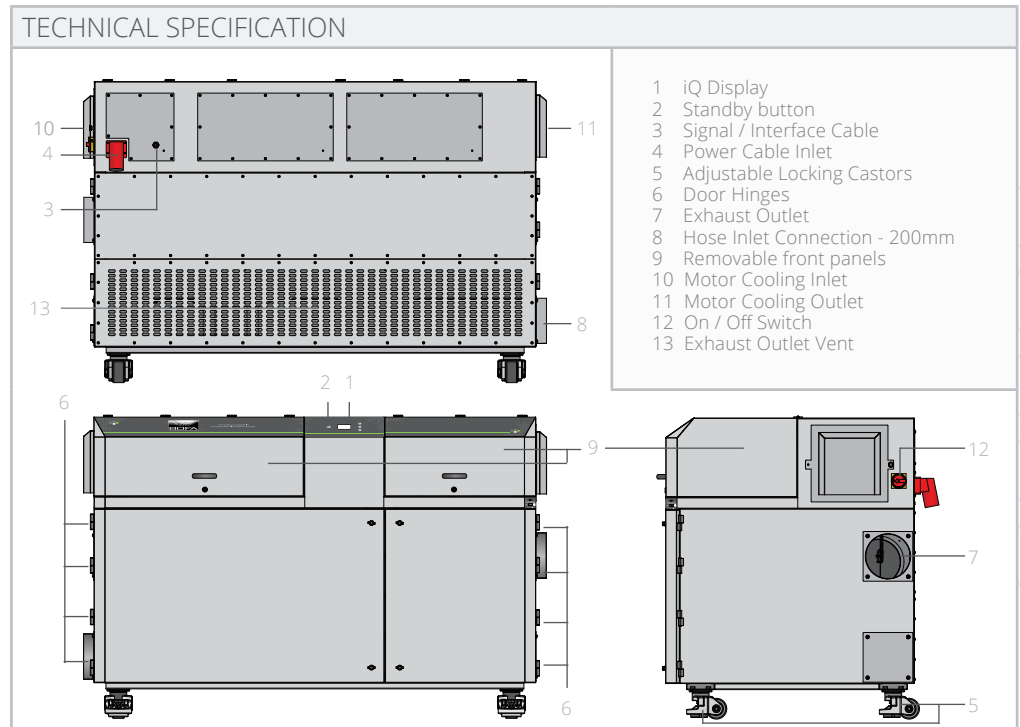
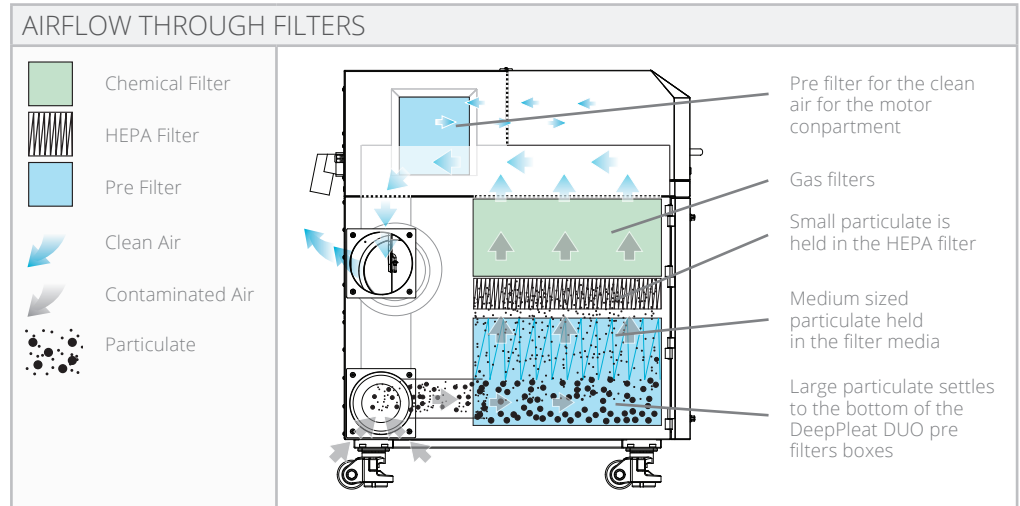
REPLACEMENT FILTERS - PART NUMBERS		
Model	Triple Pack DeepPleat DUO Pre Filters	Triple Pack Combined HEPA/Gas Filters
Part No.	A1030407	A1030406

TECHNICAL DATA	
Dimensions (HxWxD)	1330 x 2050 x 1100mm (52.4 x 80.7 x 40.3") (height varies due to adjustable castors)
Cabinet Construction	Powder coated mild steel
Airflow / Pressure	3600m³/hr / 44mBar (2119cfm / 44mBar)
Electrical Data	(EU) 415V / 3Ph / 50Hz / 6.6kw / 16A / L1, L2, L3 17A - N 1A
Noise Level	< 82dBA (at typical operating speed)
Weight	580kgs (1276lbs)

3 X DEEPPLEAT DUO PRE FILTER SPECIFICATIONS	
Surface Media Area	30m² approx (90m²)
Filter Media	Glass Fibre
Filter Media Construction	Maxi Pleat Construction with Webbing Spacers
Filter Housing	Zintec mild steel
Filter Efficiency	F8 (95% @ 0.9 microns)

3 X COMBINED HEPA/GAS FILTER SPECIFICATIONS	
Surface Media Area	7.5m² approx (22.5m²)
HEPA Filter Media	Glass Fibre
HEPA Media Construction	Maxi Pleat Construction with Webbing Spacers
Filter Housing	Zintec Mild Steel
Treated Activated Carbon	34kgs (102kgs)
Filter Efficiency	99.997% @ 0.3 microns

Other hose kits and filters are available. All the above units are fitted with our standard filter combinations. For specific applications please call us for details. Replacement filters should always be ordered using the part number on the filters inside your extractor to ensure the correct filter is ordered. Datasheet correct at time of print.



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