



LASER Fume Extraction Solutions

AD 1000 iQ

Advantage

High performance **laser fume extraction** system for applications in laser **marking, coding and engraving.**

BOFA's AD 1000 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 is enhanced with the inclusion of several features including BOFA's patented DeepPleat DUO pre filter and the acclaimed iQ Operating System. These take performance and safety parameters to a new level and ensures that maintenance, downtime and ownership costs are kept to a minimum.

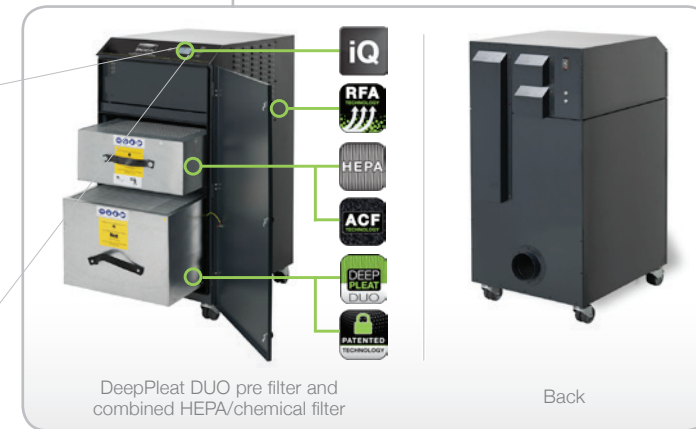
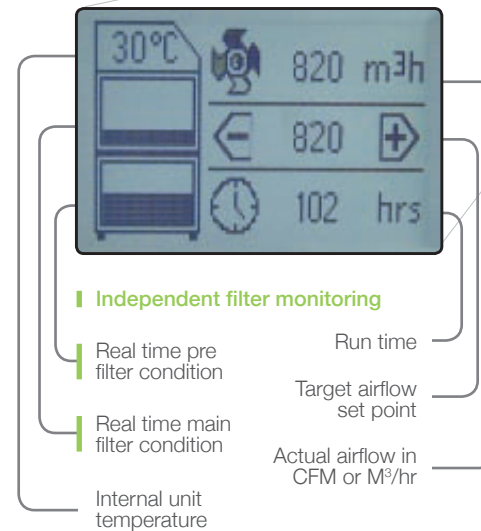


STANDARD FEATURES:

- iQ Operating System
- High airflow and pressure rates
- Reverse Flow Air filter technology
- DeepPleat DUO pre filter
- Automatic flow control system
- Real time airflow reading
- High contrast display
- 'Run safe' operation
- Remote diagnostics via USB
- Independent filter condition monitoring, display and warnings
- Combined HEPA/Gas filter incorporating ACF technology
- Filters with long life and low replacement cost

OPTIONAL FEATURES:

- VOC gas sensor (Volatile Organic Compound)
- Remote stop / start interface
- Filter change / System fail signal
- Interfacing with host laser
- On-board compressor
- Larger silencing inlet/out boxes
- Optional filter medias



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

| UNITS - PART NUMBERS | | | OPTIONS | | | | OPTION |
|-------------------------------|---------|----------|------------------|---------------------------------------|----------------|---------------------|--------------------------------|
| Model | Voltage | Part No. | 24V Stop / Start | Filter change / System failure signal | VOC Monitoring | On-board Compressor | Larger exhaust silencing boxes |
| AD 1000 iQ Stainless Steel | 230V | L0772 | A2001 | A2002 | A2003 | A2007 | A1060094 |
| | 115V | L0771 | | | | | |
| AD 1000 iQ Powder Coated | 230V | L0762 | | | | | |
| | 115V | L0761 | | | | | |

| REPLACEMENT FILTERS - PART NUMBERS | | |
|------------------------------------|--------------------------|--------------------------|
| Model | DeepPleat DUO Pre Filter | Combined HEPA/Gas Filter |
| AD 1000 iQ | A1030222 | A1030297 |

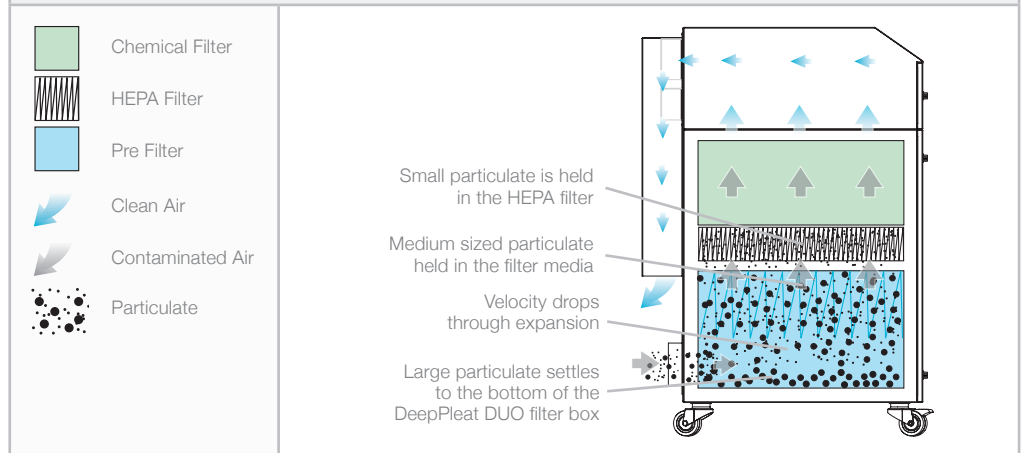
| TECHNICAL DATA | | |
|----------------------|---|--|
| | EU | US |
| Dimensions (HxWxD) | 1197 x 600 x 790mm | 47.1 x 23.6 x 31.1" |
| Cabinet Construction | Brushed stainless steel / Powder coated mild steel | |
| Airflow / Pressure | 850m³/hr / 100mbar | 500cfm / 100mbar |
| Electrical Data | 230v 1ph 50/60Hz Full load current: 12.8 amps / 2.2kw | 115v 60/50Hz Full load current: 19.5 amps / 2.2kw |
| Noise Level | < 63dBA (at typical operating speed) < 58dBA - with rear silencing boxes fitted (at typical operating speed) | |
| Weight | 140kgs | 309lbs |
| Approvals | CE | |

| DEEPPLEAT DUO PRE FILTER SPECIFICATIONS | |
|---|--|
| Surface Media Area | 30m² approx |
| 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) |

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

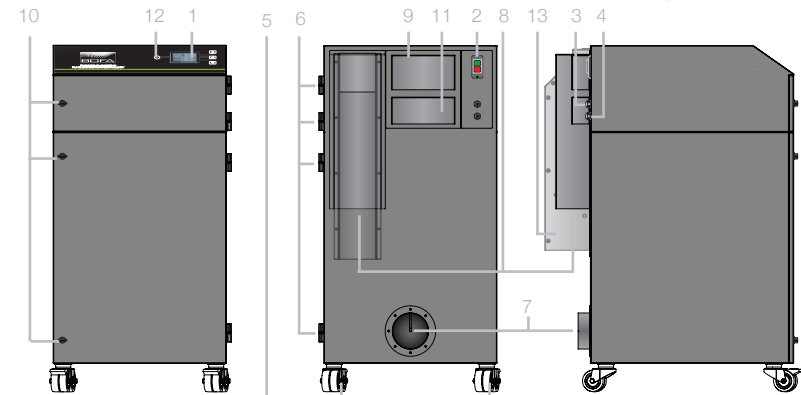
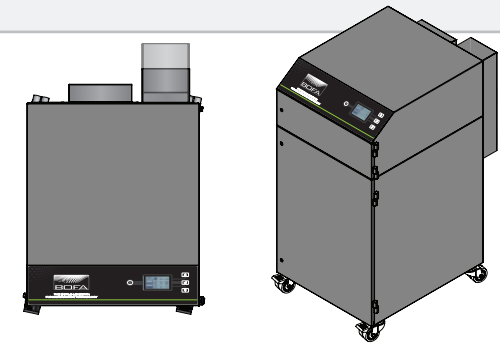
Other hose kits and filters are available. All of the above units are fitted with our standard filter combinations. For specific applications please call us for details. Replacement filters should always be ordered using the part number on the filters inside your extractor to ensure the correct filter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

AIRFLOW THROUGH FILTERS



TECHNICAL SPECIFICATION

- iQ Display
- On / Off Switch
- Power Cable
- Signal / Interface Cable
- Castors
- Door Hinge
- Hose Inlet Connection - 125mm
- Exhaust Outlet
- Motor Cooling Inlet
- Door Latch
- Motor Cooling Outlet
- Standby Button
- Larger Exhaust/Inlet Silencing Box



AD1000IQ:27/9/16V:2.6



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