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 has now been further enhanced with the inclusion of several new features including BOFA’s new iQ Operating System, making the new AD 1000 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.

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

OPTIONAL FEATURES:
- Smart Filter technology
- VOC gas sensor (Volatile Organic Compound)
- Remote stop / start interface
- Filter change / System fail signal
- Interfacing with host laser
- On-board compressor
- Optional filter media’s

The high end laser fume extraction system for laser marking, coding and engraving industries.

iQ Intelligent Technology
- Featuring DeepPleat DUO filter technology
- Featuring Advanced Carbon Filter technology
- Optional Smart Filter technology

For high performance and long filter life

http://www.bofa.co.uk/iqOperationSystem.asp

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

### TECHNICAL SPECIFICATION

1. **IQ Display**
2. **On / Off Switch**
3. **Power Cable**
4. **Signal / Interface Cable**
5. **Casters**
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**

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Part No.</th>
<th>24V Stop / Start</th>
<th>Filter change / System failure signal</th>
<th>VOC Monitoring</th>
<th>On-board Compressor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>115V</td>
<td>L0771</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AD 1000 IQ</td>
<td>230V</td>
<td>L0762</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>115V</td>
<td>L0761</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REPLACEMENT FILTERS - PART NUMBERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>DeepPleat DUO Pre Filter</th>
<th>Combined HEPA/Gas Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD 1000 IQ</td>
<td>A1030222</td>
<td>A1030297</td>
</tr>
</tbody>
</table>

**TECHNICAL DATA**

- **230V**
  - Dimensions (HxWxD): 1197 x 600 x 790mm
  - Cabinet Construction: Brushed stainless steel / Powder coated mild steel
  - Airflow / Pressure: 850m³/hr / 100mbar
  - Electrical Data: 230v 1ph 50/60Hz
  - Noise Level: < 61dBA*
  - Weight: 140kgs
  - Approvals: CE

- **115V**
  - Dimensions (HxWxD): 47.1 x 23.6 x 31.1"
  - Cabinet Construction: Brushed stainless steel / Powder coated mild steel
  - Airflow / Pressure: 500cfm / 100mbar
  - Electrical Data: 115v 60/50Hz
  - Noise Level: < 61dBA*
  - Weight: 309lbs
  - Approvals: CE

* At typical operating speed.

### COMBINED HEPA/GAS FILTER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Surface Media Area</th>
<th>HEPA Filter Media</th>
<th>HEPA Media Construction</th>
<th>Filter Housing</th>
<th>Treated Activated Carbon</th>
<th>Filter Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD 1000 IQ</td>
<td>7.5m² approx</td>
<td>Glass Fibre</td>
<td>Maxi Pleat Construction with Webbing Spacers</td>
<td>Zintec Mild Steel</td>
<td>34kgs</td>
<td>99.997% @ 0.3 microns</td>
</tr>
</tbody>
</table>

### DEEPPLEAT DUO PRE FILTER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Surface Media Area</th>
<th>Filter Media</th>
<th>Filter Media Construction</th>
<th>Filter Housing</th>
<th>Filter Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD 1000 IQ</td>
<td>30m² approx</td>
<td>Glass Fibre</td>
<td>Maxi Pleat Construction with Webbing Spacers</td>
<td>Zintec Mild Steel</td>
<td>F6 (65% @ 0.9 microns)</td>
</tr>
</tbody>
</table>