BOFA's AD 500 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 500 iQ one of the most advanced system 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.
UNITS - PART NUMBERS

<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>Stainless Steel</td>
<td>115V</td>
<td>LO671</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AD 500 IQ</td>
<td>230V</td>
<td>LO662</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powder Coated</td>
<td>115V</td>
<td>LO661</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 500 IQ</td>
<td>A1030222</td>
<td>A1030297</td>
</tr>
</tbody>
</table>

TECHNICAL DATA

<table>
<thead>
<tr>
<th>230V</th>
<th>115V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (HxWxD)</td>
<td>1197 x 600 x 790mm</td>
</tr>
<tr>
<td>Cabinet Construction</td>
<td>Brushed stainless steel /</td>
</tr>
<tr>
<td></td>
<td>Powder coated mild steel</td>
</tr>
<tr>
<td>Airflow / Pressure</td>
<td>550m³/hr / 100mbar</td>
</tr>
<tr>
<td>Electrical Data</td>
<td>230v 1ph 50/60Hz</td>
</tr>
<tr>
<td></td>
<td>Full load current: 9.5 amps</td>
</tr>
<tr>
<td></td>
<td>/ 1.1kw</td>
</tr>
<tr>
<td>Noise Level</td>
<td>&lt; 60dB(A)*</td>
</tr>
<tr>
<td>Weight</td>
<td>135kgs</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE</td>
</tr>
</tbody>
</table>

DEEP PLEAT 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: F6 (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

AIRFLOW THROUGH FILTERS

- Small particulate is held in the HEPA filter
- Medium sized particulate is held in the filter media
- Large particulate settles to the bottom of the filter box
- Velocity drops through expansion

TECHNICAL SPECIFICATION

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

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.