



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

V 1000 iQ

ELECTRONICS

Last Updated on 29.08.2018



High volume extraction for hand and machine soldering applications.

BOFA's V 1000 iQ high end 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. This unit can cater for up to 15 operators (dependent on installation) as a centralised system or can be used to extract fumes from automated soldering machines.

Performance has now been further enhanced with the inclusion of several new features including BOFA's iQ Operating System, making the new V1000 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.

More information about the [Intelligent \(iQ\) Operating System](#).

Technology



Intelligent (iQ) operating system



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 V 1000 iQ

iQ Operating System
Standard

Reverse flow air filter technology (RFA)
Standard

Automatic flow control system
Standard

High contrast display
Standard

Remote diagnostics via USB
Standard

High airflow and pressure rates
Standard

DeepPleat DUO pre filter
Standard

Real time airflow reading
Standard

'Run safe' operation
Standard

Independent filter condition monitoring, display and warnings
Standard

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

<https://bofainternational.com/en/portal/datasheets/v-1000-iq/>



Combined HEPA/Gas filter incorporating ACF technology
Standard

VOC gas sensor (Volatile Organic Compound)
Optional

Interfacing with host machine
Optional

Filters with long life and low replacement cost
Standard

Remote stop / start interface
Optional

On-board compressor
Optional

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

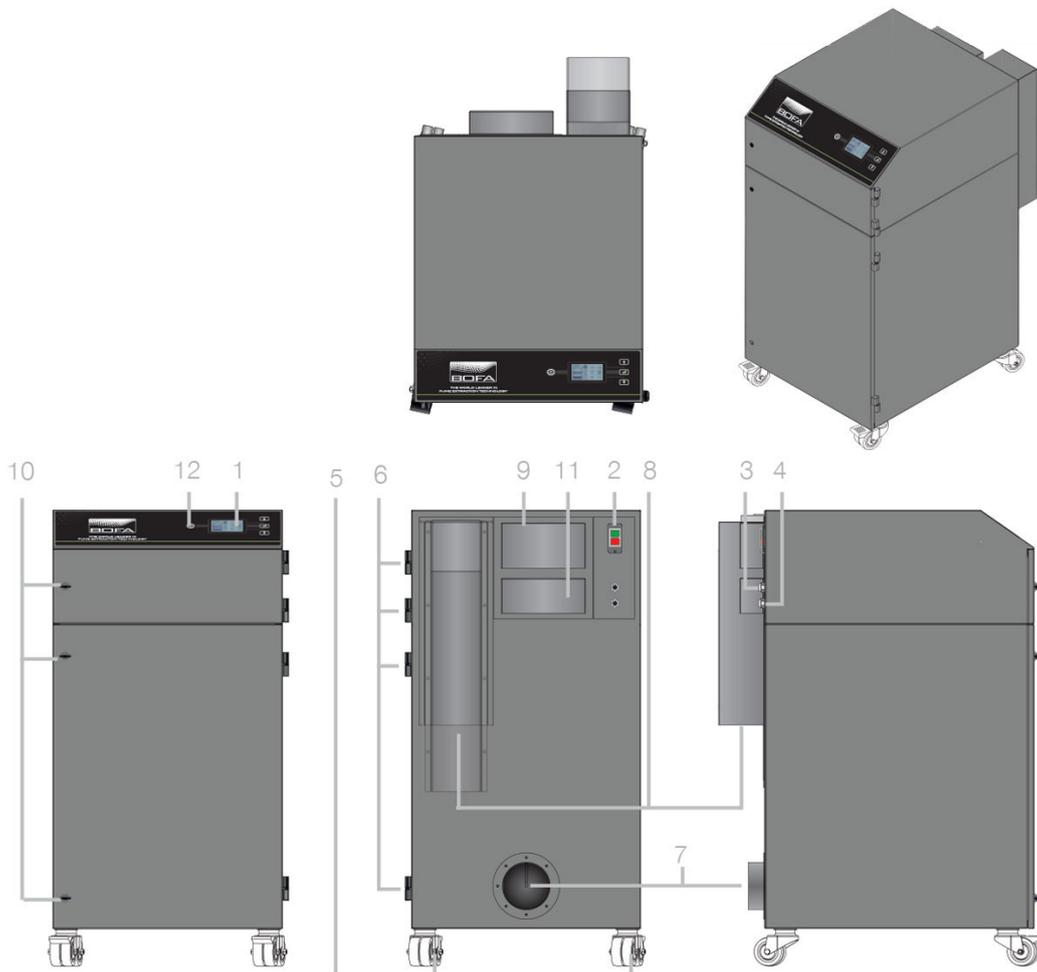
8. Exhaust outlet

9. Motor cooling inlet

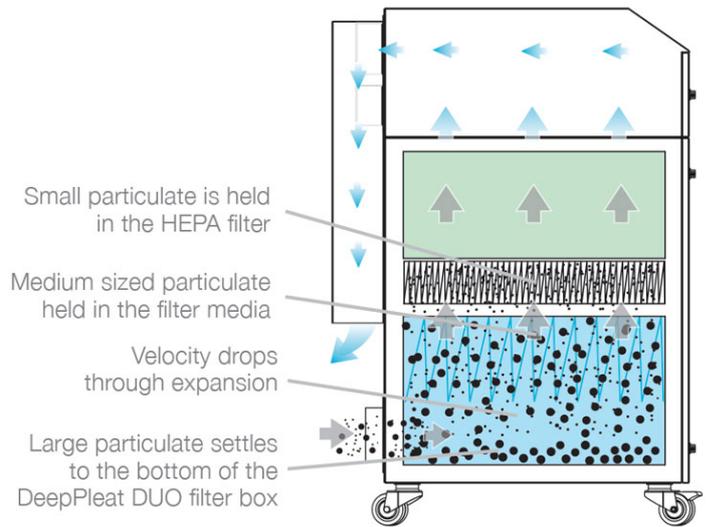
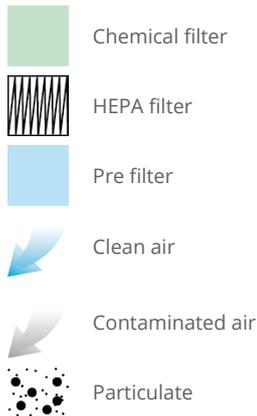
10. Door latch

11. Motor cooling outlet

12. Standby button



Airflow through filters



Technical data

| | EU | US |
|----------------------|---|---|
| Dimensions (HxWxD) | 1205 x 615 x 790mm | 47.44 x 24.21 x 31.10" |
| Cabinet construction | Brushed stainless steel / Powder coated mild steel | Brushed stainless steel / Powder coated mild steel |
| Airflow / Pressure | 850m ³ /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) | < 63dBA (at typical operating speed) |
| | < 58dBA - with rear silencing boxes fitted (at typical operating speed) | < 58dBA - with rear silencing boxes fitted (at typical operating speed) |
| Weight | 146kgs | 321.88lbs |
| Approvals | CE | CE, cUL, UL |

DeepPleat DUO pre filter specifications

| | |
|---------------------------|---|
| Surface media area | 30m ² approx (322.8ft ²) |
| 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) |
| Inlet size | 125mm |
| Dropout chamber size | 58 litres |
| Filter media pleat size | 200mm |

Combined HEPA/Gas filter specifications

| | |
|-------------------------|--|
| Surface media area | 7.5m ² approx (80.7 ft ²) |
| HEPA filter media | Glass fibre |
| HEPA media construction | Maxi Pleat construction with webbing spacers |

Combined HEPA/Gas filter specifications

| | |
|--------------------------|-----------------------|
| Filter housing | Zintec mild steel |
| Treated activated carbon | 34kgs (74.8 lbs) |
| Filter efficiency | 99.997% @ 0.3 microns |

Unit part numbers

| Model | Voltage | Part number | 24v Stop/Start | VOC monitoring | On-board compressor |
|------------------------------|---------|-------------|----------------|----------------|---------------------|
| V 1000 iQ Stainless steel | 230v | E1272 | A2001 | A2003 | A2007 |
| V 1000 iQ Stainless steel | 115v | E1271 | A2001 | A2003 | A2007 |
| V 1000 iQ Powder coated | 230v | E1262 | A2001 | A2003 | A2007 |
| V 1000 iQ Powder coated | 115v | E1261 | A2001 | A2003 | A2007 |

Replacement filters part numbers

| Model | DeepPleat DUO Pre filter | Combined HEPA/Gas filter |
|-----------|--------------------------|--------------------------|
| V 1000 iQ | A1030397 | A1030398 |

Other languages

V 1000 iQ
[French](#)

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.

