



A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# V 1500 iQ

**ELECTRONICS**

Last Updated on 02.02.2022



High volume extraction for hand and machine soldering applications.

BOFA's V 1500 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. This unit can cater for up to 20 operators using 32mm arms as a centralised system or can be used to filter fumes from automated soldering machines.

Performance has now been further enhanced with the inclusion of several features including BOFA's Intelligent Operating System (iQ), making the new V 1500 iQ one of our most advanced systems available.

The Intelligent Operating System (iQ) takes performance parameters to a new level and helps keep maintenance, downtime and ownership costs to a minimum.

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

## Technology



**Intelligent Operating System (iQ)**



**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 1500 iQ

**iQ Operating System**  
Standard

**Reverse flow air filter technology**  
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-1500-iq/>



Approvals: REACH and RoHS. See individual product technical data for specific accreditations

**Combined HEPA / gas filter incorporating ACF technology**  
Standard

**VOC gas sensor (Volatile Organic Compound)**  
Optional

**Interfacing**  
Optional

**Filters with long life and low replacement cost**  
Standard

**Remote stop / start interface**  
Optional

**Other filter medias**  
Optional

## Technical specifications

1. iQ display

2. On / off switch

3. Power cable

4. Signal / interface cable

5. Castors

6. Door hinge

7. Hose inlet connection -  
125mm

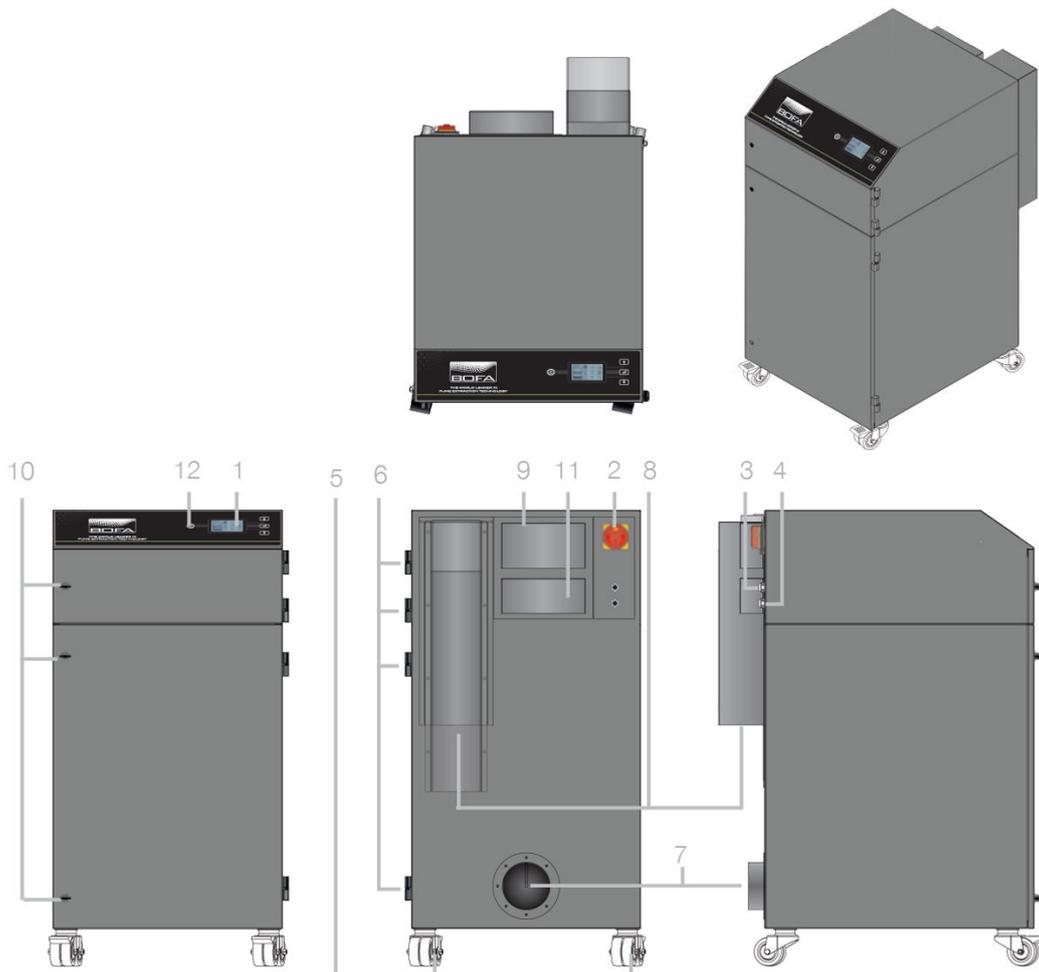
8. Exhaust outlet

9. Motor cooling inlet

10. Door latch

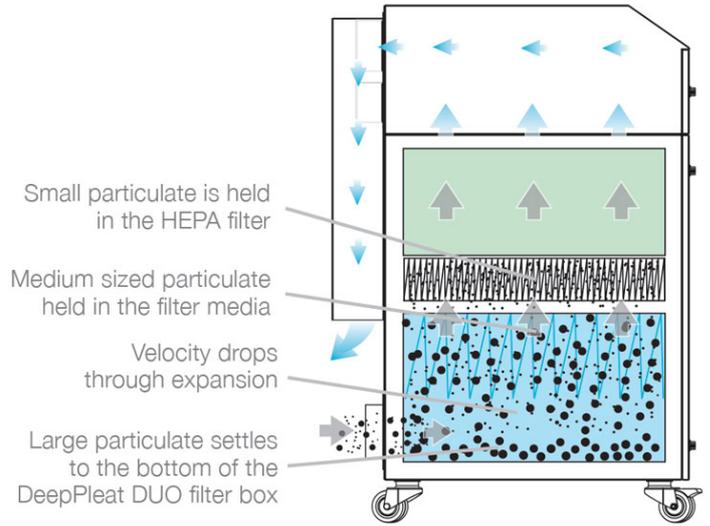
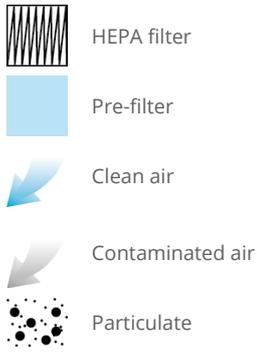
11. Motor cooling outlet

12. Standby button



## Airflow through filters

Chemical filter



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	1250m <sup>3</sup> /hr / 100mbar	735cfm / 100mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 24 amps / 3.3kw	415v 50/60Hz Full load current: 8.5 amps / 3.3 14.5 amps Neutral
Noise level	< 68dBA (at typical operating speed)	< 68dBA (at typical operating speed)
Weight	145kgs	320lbs
Approvals	UKCA and CE	cUL, UL *

DeepPleat DUO pre-filter specifications	
Surface media area	30m <sup>2</sup> approx (322.8 ft <sup>2</sup> )
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Filter efficiency	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 <sup>2</sup> approx (80.7 ft <sup>2</sup> )
HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	30kgs (66 lbs)

## Combined HEPA / gas filter specifications

Filter efficiency

99.997% @ 0.3 microns

## Unit part numbers

Model	Voltage	Part number	24v stop / start	VOC monitoring
V 1500 iQ Stainless steel	230v	E1372	A2001	A2003
V 1500 iQ Stainless steel	3Ph	E1373	A2001	A2003
V 1500 iQ Powder coated	230v	E1362	A2001	A2003
V 1500 iQ Powder coated	3Ph	E1363	A2001	A2003

## Replacement filter part numbers

Model	DeepPleat DUO pre-filter	Combined HEPA / gas filter
V 1500 iQ	A1030222	A1030297

\* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

## Other languages

V 1500 iQ  
[French](#)

*Datasheet correct at time of publishing.*

*Where applicable, the carbon used in BOFA units is capable of removing a wide range of VOCs, 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.*

**Important Notice:** *Many factors beyond the control of BOFA can affect the use and performance of BOFA products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.*

*Think before you print! Please consider the environment before printing this document.*

