



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

V 1000 iQ

ELECTRONICS

Last Updated on 02.02.2022



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. This unit can cater for up to 15 operators (dependent on installation) as a centralised system or can be used to filter fumes from automated soldering machines.

Performance has now been enhanced with the inclusion of several new features including BOFA's Intelligent operating system (iQ), making the new V 1000 iQ one of our most advanced systems available.

The iQ system 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 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

Combined HEPA / gas filter incorporating ACF technology
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

Filters with long life and low replacement cost
Standard

Contact BOFA at www.donaldsonbofa.com/contact/

www.donaldsonbofa.com/fume-extraction-systems/v-1000-iq/



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

VOC gas sensor (Volatile Organic Compound)

Optional

Interfacing with host machine

Optional

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

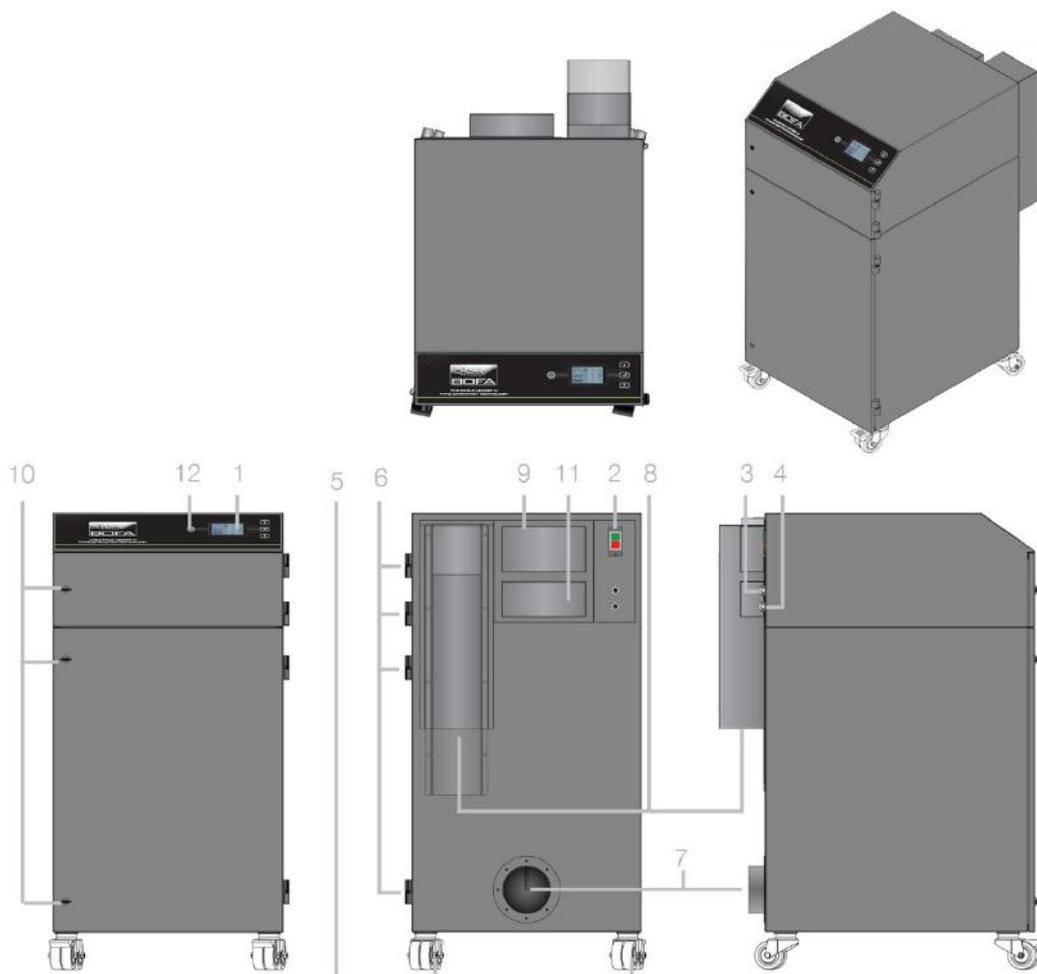
8. Exhaust outlet

9. Motor cooling inlet

10. Door latch

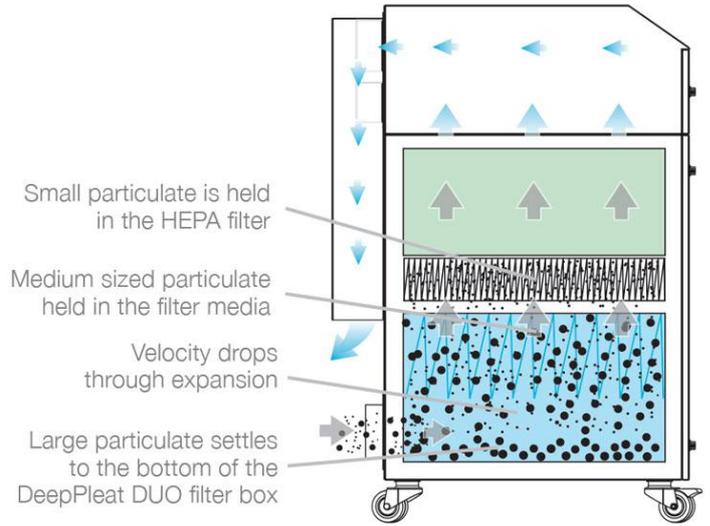
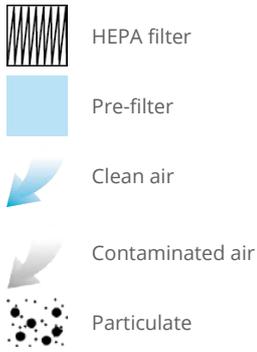
11. Motor cooling outlet

12. Standby button



Airflow through filters

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	850m ³ /hr / 100mbar	500cfm / 100mbar
Electrical data	230v Single-phase 1~ 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)
Weight	146kgs	321.88lbs
Approvals	UKCA and CE	UKCA, CE, cUL, UL*

DeepPleat DUO pre-filter specifications	
Surface media area	30m ² approx (322.8ft ²)
Filter media	Borosilicate
Filter media construction	Maxi Pleat construction with glue bead 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	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	34kgs (74.8 lbs)

Combined HEPA / gas filter specifications

Filter efficiency	99.997% @ 0.3 microns
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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	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.

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.

