



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



# V 250

Last Updated on 02.02.2022



Dual-arm fume extraction system for electronics hand soldering processes.

BOFA's V 250 extraction unit has been designed to capture fumes generated during hand soldering tasks. This portable system is offered in a number of configurations to cater for different factory layouts and contains everything required to set up 2 operators with ease.

Fast and easy installation allows this unit to be moved with the workbench when factory layouts need changing due to production demands. The unit's low noise level and fully comprehensive filtration capabilities make it perfect for today's electronics manufacturing environments.

## Technology



HEPA filter



Advanced carbon filter (ACF) technology



ProTECT service plan



SureCHECK quality standard

## Key features of the V 250

**Advanced carbon gas filter**  
Standard

**Filter blocked indicator**  
Standard

**Remote speed control and power switch (230V only)**  
Optional

**Wide selection of arms**  
Optional

**99.997% HEPA filtration**  
Standard

**Unique flip top flush sealing mounting plate**  
Optional

**2 x table mount installation kit and extraction arm**  
Optional

## Technical specifications

1. Filter condition display light

2. On / off switch

3. Hose inlet connection - 50mm

4. Exhaust outlet

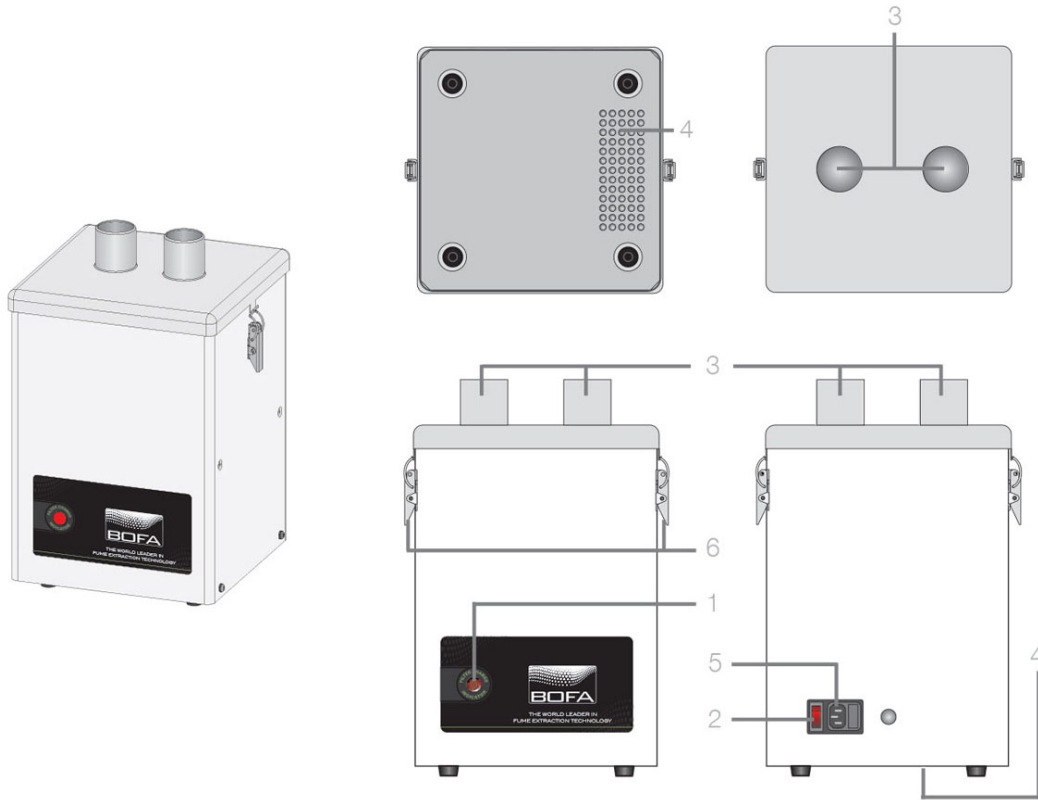
5. Power cable inlet

6. Lid latches

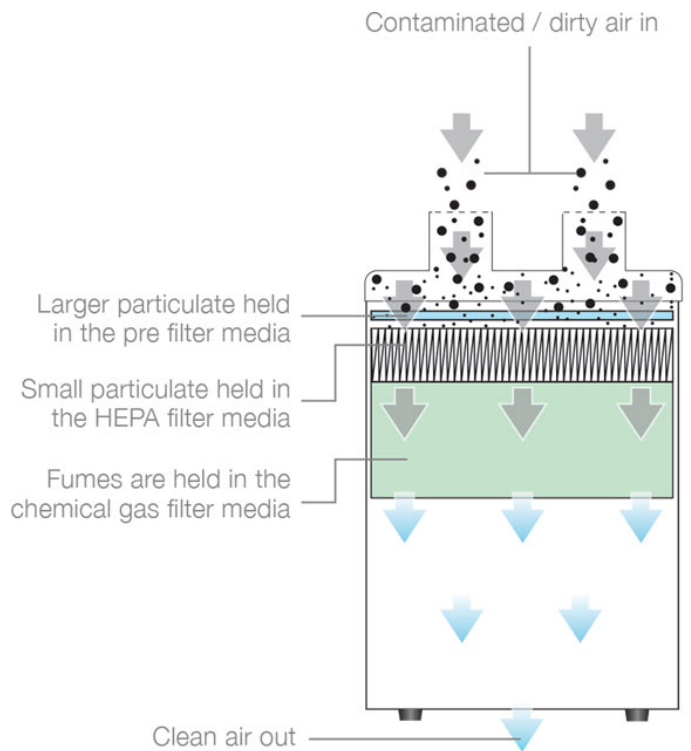
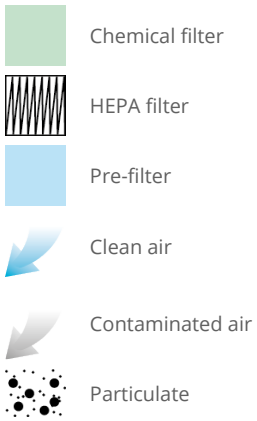
Contact BOFA at <https://bofainternational.com/en/contact/>  
<https://bofainternational.com/en/portal/datasheets/v250/>



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



### Airflow through filters



### Technical data

	EU	US
Dimensions (HxWxD)	420 x 290 x 270mm	16.54 x 11.42 x 10.63"
Cabinet construction	Powder coated mild steel	Powder coated mild steel

## Technical data

Airflow / pressure	180m <sup>3</sup> /hr / 30mbar	106cfm / 30mbar
Electrical data	230v single-phase 1~ 50/60Hz full load current: 0.9 amps / 135w	115v 60/50Hz full load current: 1.2 amps / 135w
Noise level	< 61dBA (at typical operating speed)	< 61dBA (at typical operating speed)
Weight	10kg	22lbs
Duct size	50mm	2"
Max duct run	5 mtrs	16.4ft
Approvals	UKCA and CE	UKCA and CE

## Pre-filter specifications

Filter media	Polypropylene
Filter media construction	Pad
Filter efficiency	F7 (96% @ 2 microns)

## Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Gas filter	Treated activated carbon
Filter housing	Zintec mild steel
Treated activated carbon	2kgs (4.4 lbs)
Filter efficiency	99.997% @ 0.3 microns

## Unit part numbers

Model	Option	Speed control	Voltage	Part number
V 250 powder coated	Unit only (no install kit)	No	230v	E0842A0013
V 250 powder coated	Unit only (no install kit)	No	115v	E0841A0012
V 250 powder coated	Unit only (no install kit)	Yes	230v	E0842A0002
V 250 powder coated	Unit only (no install kit)	Yes	115v	E0841A0002
V 250 + Install kit powder coated	2 x 1.4m unit mounting stay put extraction arms with nozzles	No	230v	E0842A0011
V 250 + Install kit powder coated	2 x 1.4m unit mounting stay put extraction arms with nozzles	No	115v	E0841A0011
V 250 + Install kit powder coated	2 x installation kits and 2 x 650mm extraction arms with nozzles	No	230v	E0842A0000
V 250 + Install kit powder coated	2 x installation kits and 2 x 650mm extraction arms with nozzles	No	115v	E0841A0000
V 250 + Install kit powder coated	2 x installation kits and 2 x 650mm extraction arms with nozzles	Yes	230v	E0842A0003

## Replacement filters

Description	Part number
Pre-filter (pack of 5)	A1030102
Combined filter	A1030099

## Unit options



Dual arm volume extraction unit designed to extract fumes for two operators located either next to or opposite each other. Ideal for factories with changing demands and production layout changes.

1 - Unit only	2 - Unit mounted dual arms	3 - Dual bench mounting arms	4 - Dual bench mounting arms with remote airflow control
Filter blocked indicator	Two 1.4m long, unit mounting Stay Put extraction arms	Unique flip top flush sealing mounting plates	Remote airflow control
Granulated carbon gas filter - ACF	Filter blocked indicator	Two 50mm x 650mm ESD stay put extraction arms	Unique flip top flush sealing mounting plates
99.997% HEPA filtration	Granulated carbon gas filter - ACF	Installation flex and table bracket	Two 50mm x 650mm ESD stay put extraction arms
	99.997% HEPA filtration	Filter blocked indicator	Installation flex and table bracket
		Granulated carbon gas filter - ACF	Filter blocked indicator
		99.997% HEPA filtration	Granulated carbon gas filter - ACF
			99.997% HEPA filtration

## Arm accessories



### Arm accessories

Number reference to photo	Description	Part number
1	32mm ESD stay put arm with funnel	A1020044
2	32mm ESD stay put arm with nozzle	A1020046
3	50mm ESD stay put arm with funnel	A1020045
4	50mm ESD stay put arm with nozzle	A1020047
5	50mm ESD stay put arm with slot	A1020049
6	38mm stainless steel stay put arm with nozzle	A1020160
7	38mm stainless steel stay put arm with funnel	A1020184
8	50mm ESD stay put arm with plenum funnel	A1020179
9	Light arm - white	A1020168
10	Light arm - black	A1020169

### Replacement unit mounted arm

Number reference to photo	Description	Part number
11	Replacement arm - 50mm x 1.4m arm with nozzle (unit mounted)	A1020331

### Unit / arm accessory hose kit - needed if ordering from the accessories menu

Number reference to photo	Description	Part number
12	50mm arm installation kit without arm	A1020177



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## Other languages

V 250 datasheet  
[French](#)

V 250 datasheet  
[Italian](#)

*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.*

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