



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



# V 250

## ELECTRONICS

Last Updated on 17.12.2018



Dual arm fume extraction system for electronics hand soldering processes.

BOFA's V 250 extraction unit has been designed to effectively capture and remove the potentially harmful 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 work bench 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

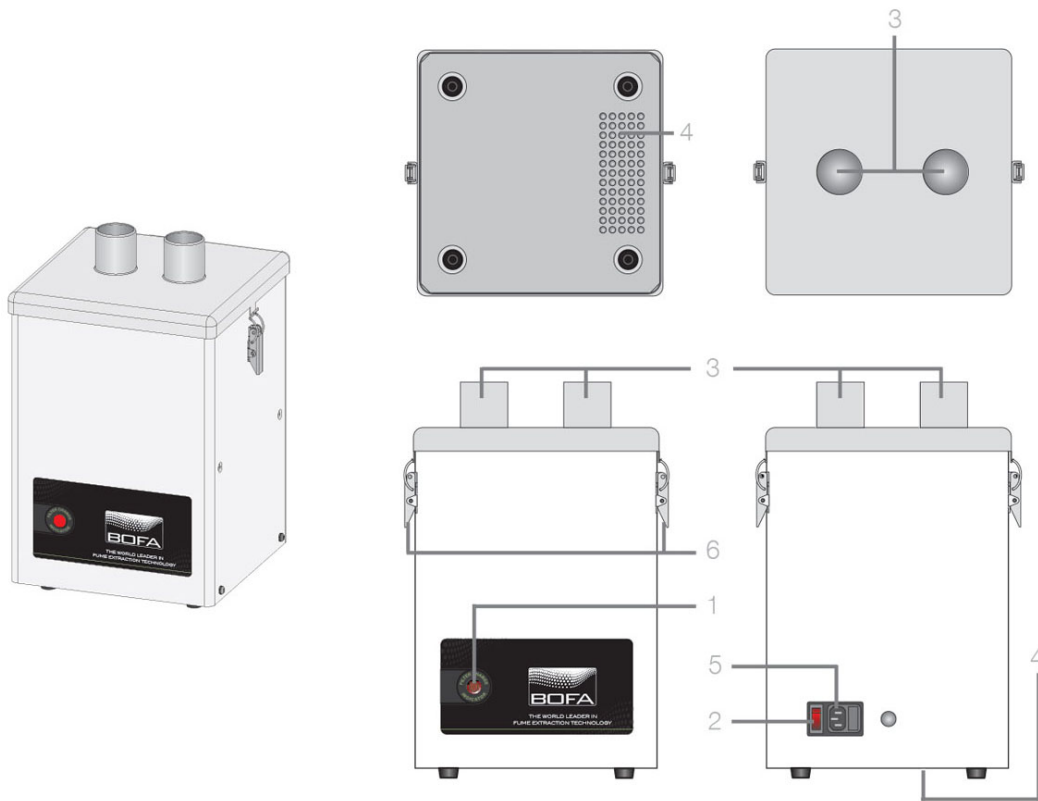
**Unique flip top flush sealing mounting plate**  
Optional

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









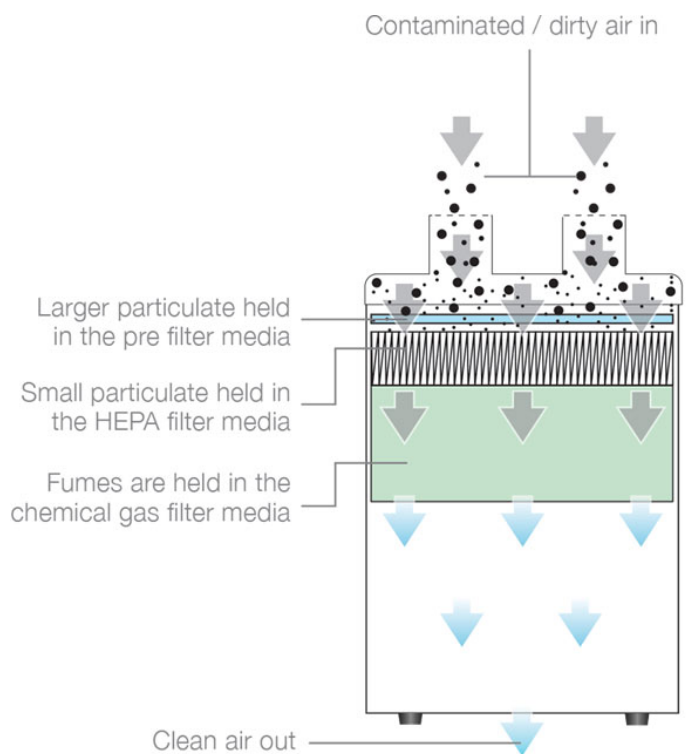
## Technical specifications

- 1. Filter condition display light
- 2. On / off switch
- 3. Hose inlet connection - 50mm
- 4. Exhaust outlet
- 5. Power cable inlet
- 6. Lid latches



## Airflow through filters

-  Chemical filter
-  HEPA filter
-  Pre-filter
-  Clean air
-  Contaminated air
-  Particulate



## 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                        |
| Airflow / Pressure   | 180m <sup>3</sup> /hr / 30mbar                      | 106cfm / 30mbar                                 |
| Electrical data      | 230v 1ph 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            | CE  | CE  |

## Pre-filter specifications

|                           |                      |
|---------------------------|----------------------|
| Filter media              | Borosilicate         |
| 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  |

## Unit part numbers

|                                   |  |     |      |            |
|-----------------------------------|--|-----|------|------------|
| 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

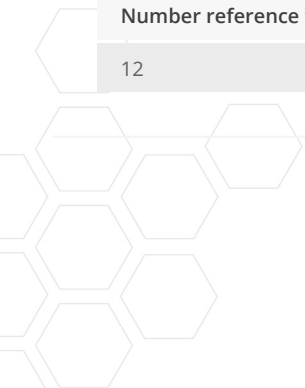
| Number reference to photo | Description                                   | Part number |
|---------------------------|---|-------------|
| 1                         | 32mm ESD Stay put arm with funnel             | A1020044    |
| 2                         | 32mm ESD Stay put arm with nozzle             | 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  
[Spanish](#)

V 250 datasheet  
[French](#)

V 250 datasheet  
[Russian](#)

V 250 datasheet  
[German](#)

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 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.*



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