



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

# FumeCAB 250

ELECTRONICS, PHARMACEUTICAL & MEDICAL

Last Updated on 12.04.2021



The complete solution for fume cabinet extraction for various applications

With the introduction of the HSG258 code of practice, partial enclosures are steadily becoming the preferred option for operator protection from fumes generated from processes such as hand soldering, solvent use, and other processes that produce harmful fumes. BOFA's FumeCAB 250 fume cabinet has been purposely designed to help employers comply to these new regulations.

This cabinet has been designed to work with the V250 extraction system.

## Technology



ProTECT service plan



SureCHECK quality standard

## Key features of the FumeCAB 250

LED strip light  
Standard

Strong rigid  
Standard

V 250 filtration unit  
Optional

Powder coated white  
Standard

1 x 1.5 meters of 75mm flexible hose  
Standard

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

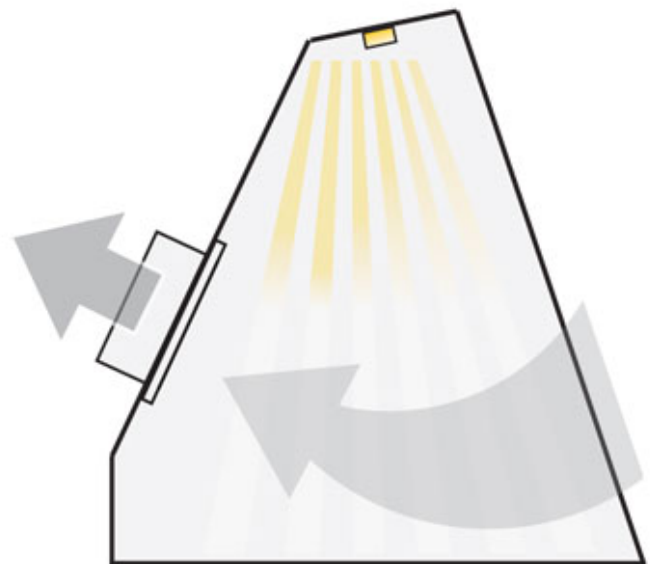
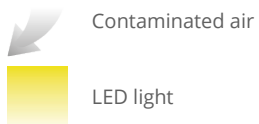
<https://bofainternational.com/en/portal/datasheets/fumecab-250-2/>



## Technical specifications



## Airflow through filters



### Technical data

|                            | EU                | US                     |
|----------------------------|-------------------|------------------------|
| Dimensions (HxWxD)         | 290 x 400 x 300mm | 11.42 x 15.75 x 11.81" |
| Opening dimensions (HxWxD) | 265 x 400mm       | 10.4 x 15.7"           |
| Recommended face velocity  | 0.5m/s            | 118 f/min              |

### Technical data - V 250 extraction system

|                      | EU                       | US                       |
|----------------------|--------------------------|--------------------------|
| Dimensions (HxWxD)   | 430 x 290 x 290mm        | 16.93 x 11.42 x 11.42"   |
| Cabinet construction | Powder coated mild steel | Powder coated mild steel |

## Technical data - V 250 extraction system

|                    |   |   |
|--------------------|---|---|
| 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        | < 55dBA (at typical operating speed)                            | < 55dBA (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                                     |

## V 250 pre-filter specifications

|                           |                      |
|---------------------------|----------------------|
| Filter media              | Borosilicate         |
| Filter media construction | Pad                  |
| Filter efficiency         | F7 (96% @ 2 microns) |

## V 250 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          |

## Part numbers

| Model  | Part no.   | Optional VOC monitoring |
|--|------------|-------------------------|
| FumeCAB 250  | A1020127   | N/A                     |
| FumeCAB 250 and V 250 fitted with combined HEPA/Gas filter | E0842A0006 | A2003                   |
| FumeCAB 250 and V 250 fitted with double gas filter        | E0842A0007 | A2003                   |

## Other languages

FumeCAB 250  
[French](#)

FumeCAB 250  
[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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A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# V 250

## ELECTRONICS

Last Updated on 13.04.2021



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

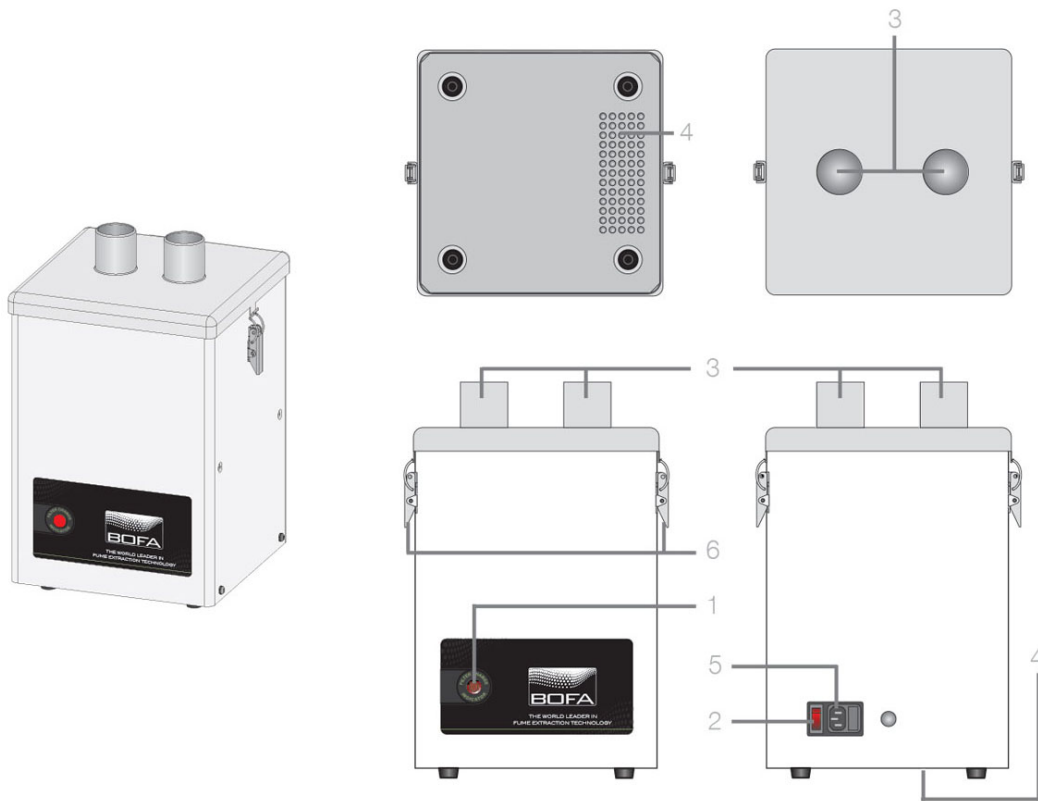
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<https://bofainternational.com/en/portal/datasheets/v250/>









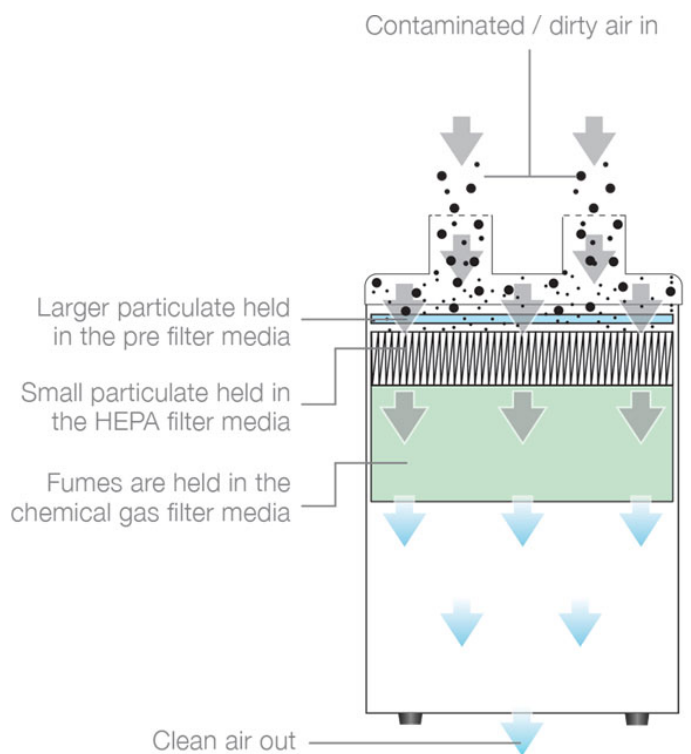
## Technical specifications

- 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 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              | 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

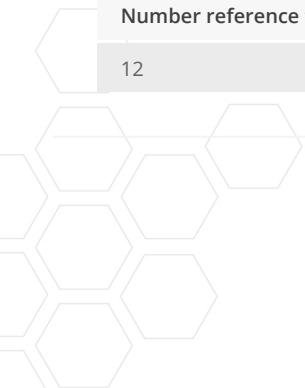
| Number reference to photo | Description                                   | Part number |
|---------------------------|---|-------------|
| 1                         | 32mm ESD stay put arm with funnel             | A1020044    |
| 2                         | 32mm ESD stay put arm with nozzle     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

V 250 datasheet  
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