



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

## V 250 FUME EXTRACTOR

LAST UPDATED ON 07.23.2024

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

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

### Key features

- Filter blocked indicator
- Advanced carbon gas filter (ACF)
- 99.995% HEPA filtration
- Low-cost replacement filters
- Small footprint
- 2 x table mount installation kit and extraction arm
- Optional unique flip-top flush sealing mounting plate
- Optional remote speed control and power switch
- Optional selection of arms



HEPA  
filter



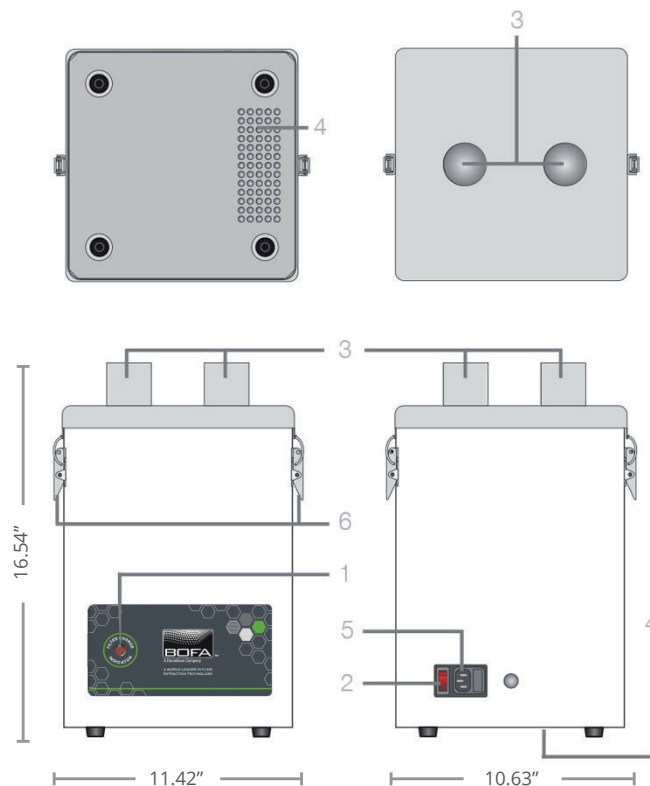
Advanced  
carbon  
filter (ACF)  
technology



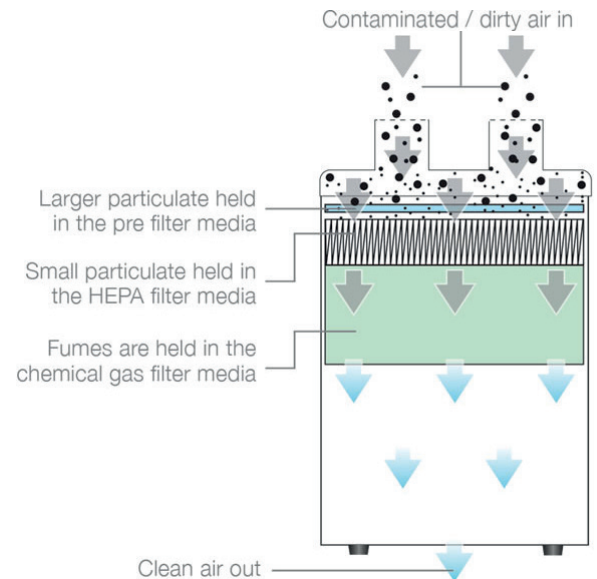
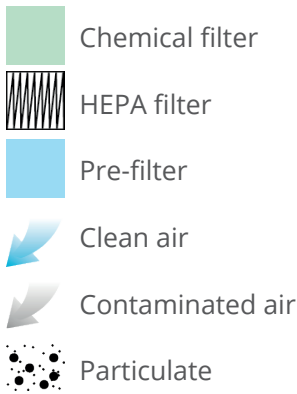
SureCHECK  
quality  
standard

### Technical specification

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



## Technical data

|  |   |
|--|---|
| Dimensions (HxWxD)                       | 16.54 x 11.42 x 10.63"                          |
| Cabinet construction                     | Powder-coated mild steel                        |
| Airflow/pressure                         | 106cfm/30mbar                                   |
| Electrical data                          | 115v 60/50Hz full load current: 1.2 amps / 135w |
| Noise level                              | < 61 dBA (at typical operating speed)           |
| Weight (standard extractor with filters) | 22lbs (+/- 5%)                                  |
| Duct size                                | 2"  |
| Max duct run                             | 16.4ft  |
| Approvals                                | UKCA and CE                                     |

## Pre-filter specifications

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

## Combined HEPA/gas 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 | 4.4 lbs                        |
| Filter efficiency        | 99.995% @ 0.3 microns          |

## Part numbers

|                                    |                       |
|------------------------------------|-----------------------|
| Model                              | V 250 - Powder-coated |
| Part number                        | 1U10350595-1209       |
| V250 lid single 75mm inlet         | 1UA1060062            |
| <b>Replacement filters</b>         |                       |
| Pre-filter (pack of 5)             | 1UA1030102            |
| Optional pre-filter HD (pack of 5) | 1UA1030101            |
| Combined HEPA/gas filter           | 1UA1030099            |

Contact BOFA at [donaldsonbofa.com/contact/](http://donaldsonbofa.com/contact/)

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.



FS 643451

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



OPTIONAL

STANDARD

OPTIONAL

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 |
|---|---------------|----------------------------|------------------------------|--|
| Remote airflow control                        |               |                            |                              | ✓  |
| Unique flip top flush sealing mounting plates |               |                            | ✓                            | ✓  |
| Two 50mm x 650mm ESD stay put extraction arms |               | ✓                          | ✓                            | ✓  |
| Installation flex and table bracket           |               |                            | ✓                            | ✓  |
| Filter blocked indicator                      | ✓             | ✓                          | ✓                            | ✓  |
| Granulated carbon gas filter - ACF            | ✓             | ✓                          | ✓                            | ✓  |
| 99.995% HEPA filtration                       | ✓             | ✓                          | ✓                            | ✓  |

ARM ACCESSORIES

| Number reference | 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 |  |          |
|------------------------------|--|----------|
| 11                           | Replacement arm - 50mm x 1.4m arm with nozzle (unit mounted) | A1020331 |

| Unit / arm accessory hose kit<br>- needed if ordering from the accessories menu |                                       |          |
|---|---------------------------------------|----------|
| 12  | 50mm arm installation kit without arm | A1020177 |

