



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

V 300E

ELECTRONICS

Last Updated on 02.02.2022



Entry-level dual-arm fume extraction system for electronics hand soldering processes.

The V 300E extraction unit is a compact, low-cost system that is capable of generating high airflow rates from a range of benchtop attachments.

The extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

Technology



HEPA filter



Advanced carbon filter technology



ProTECT service plan



SureCHECK quality standard

Key features of the V 300E

Simple installation
Standard

Granulated carbon gas filter (ACF) technology
Standard

2 x 75mm x 1m 'stay put' hose kit
Optional

High air flow rates
Standard

HEPA / gas combined filter (99.997% @ 0.3 microns)
Standard

2 x 75mm 'stay put' hose with table mount kit
Optional

Technical specification

1. Power cable inlet

2. On / off switch

3. Filter latch

4. Hose inlet connection - 2 x 75mm

5. Exhaust outlet

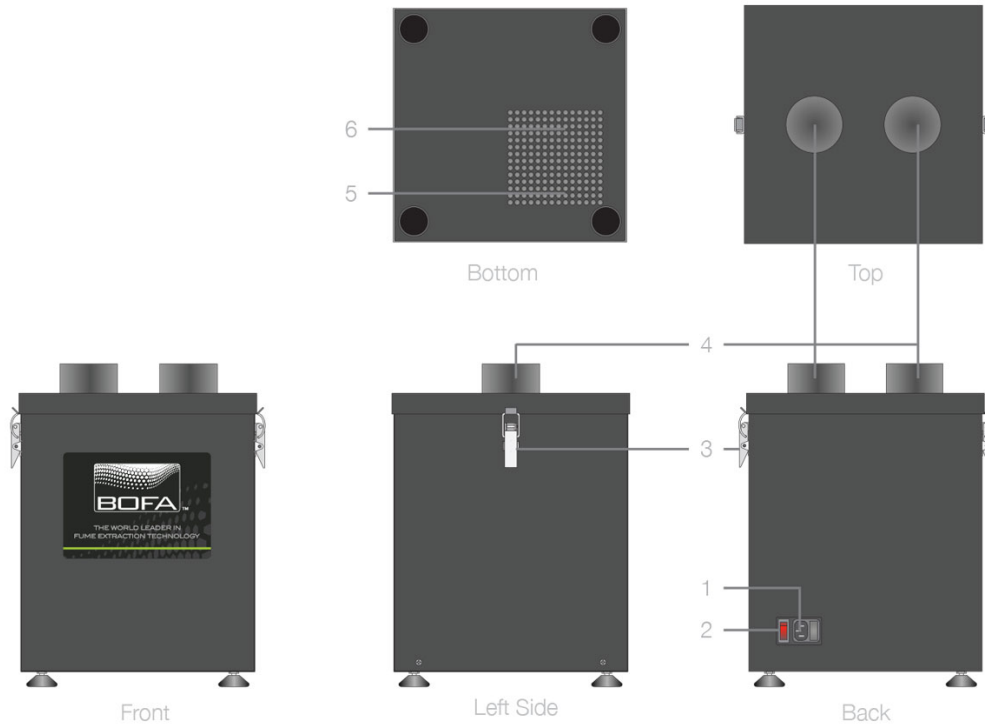
6. Motor cooling inlet

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

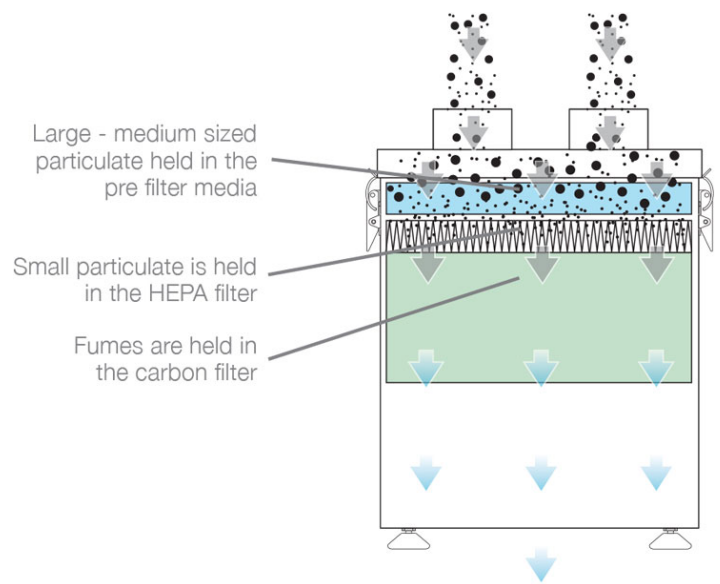
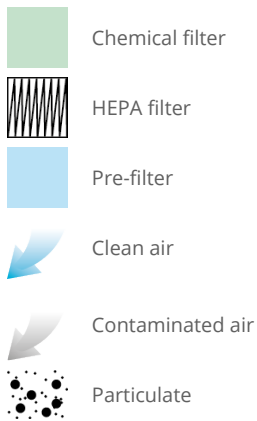
<https://bofainternational.com/en/portal/datasheets/v300e-2/>



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



Airflow through filters



Technical data

| | EU | US |
|----------------------|--------------------------------------|---------------------------------------|
| Dimensions (HxWxD) | 450 x 330 x 310mm | 17.72 x 13.00 x 12.21" |
| Cabinet construction | Powder coated mild steel | Powder coated mild steel |
| Airflow / pressure | 320m ³ /hr / 5mbar | 188cfm / 5mbar |
| Electrical data | 230v 50/60Hz | 115v 50/60Hz |
| | Full load current: 1.1 amps / 0.25kw | Full load current: 2.1 amps / 0.255kw |
| Noise level | <52dBa (at typical operating speed) | <52dBa (at typical operating speed) |
| Weight | 15kg | 33lbs |
| Duct size | 2 x 75mm | 2 x 3" |

Technical data

| | | |
|--------------|--------------------------|--------------------------|
| Max duct run | 3mtrs | 9.8ft |
| Gas filter | Treated activated carbon | Treated activated carbon |
| Approvals | UKCA and CE | UKCA and CE |

Pre-filter specifications

| | |
|---------------------------|---------------|
| Filter media | Synthetic pad |
| Filter media construction | Pad |
| Filter efficiency | G4 |

Combined filter specifications

| | |
|--------------------------|--------------------------------|
| Filter media | Borosilicate |
| Media construction | Pleated with glue bead spacers |
| Filter efficiency - HEPA | 99.997% @ 0.3 microns |
| Treated activated carbon | 1.65kgs (3.63 lbs) |
| Filter housing | Zintec mild steel |

Unit specifications

| | EU | US |
|--|----|----|
| Maximum number of 75mm arms, cowls or down draft trays | 2 | 2 |

Unit part numbers

| Model | Description | Voltage | Part number |
|-------------------------|---|---------|-------------|
| V 300E Powder coated | Unit only (no install kit) | 230v | E0942A0000 |
| V 300E Powder coated | 2 x unit mounted 75mm diameter x 1m long stay-put arms with funnels | 230v | E0942A0001 |

Replacement filter part numbers

| Description | Part numbers |
|----------------------------|--------------|
| Pre-filter (pack of 5) | A1030108 |
| HEPA / gas combined filter | A1030266 |

Arm accessories





Hose kits and replacement arm part numbers

| Number reference | Description | Part number |
|------------------|---|-------------|
| 1 | 75mm diameter stay-put arm with funnel 1m long | A1020042 |
| 2 | Table bracket | A1020077 |
| 3 | 1.5m of 75mm flex with jubilee clip | A1020425 |

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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