



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

V 4000

ELECTRONICS

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High airflow fume extraction system for reflow ovens, wave solder machines and conformal coating systems.

BOFA's V 4000 volume extraction units have the capacity to be used on all manufacturers of automated soldering systems such as reflow ovens.

Large filter capacity and vast carbon filters help with long filter life and optimum extraction even when lead-free solder is used.

Adjustable and regulated airflow control helps with consistent temperatures within the solder machine/reflow oven, throughout the life of the filters.

Easily accessible filters are accommodated by the uniquely styled gas spring assisted 'gull winged' doors, which allow for maximum space and ease when changing filters.

Unit interfaces such as stop/start and system failure are available as options.

Technology



HEPA filter



Automatic flow control (AFC) technology



Advanced carbon filter (ACF) technology



Multi voltage sensing (MVS) unit



ProTECT service plan



SureCHECK quality standard

Key features of the V 4000

Blower with high airflow
Standard

Filter condition display
Standard

Unique gas spring assisted 'gull winged' doors for filter access
Standard

VOC gas sensor (Volatile Organic Compound)
Optional

Remote stop / start interface
Optional

Long life filters with low replacement costs
Standard

Built in silencing
Standard

Automatic flow control system
Standard

DeepPleat pre-filter
Optional

Filter change / system fail signal
Optional

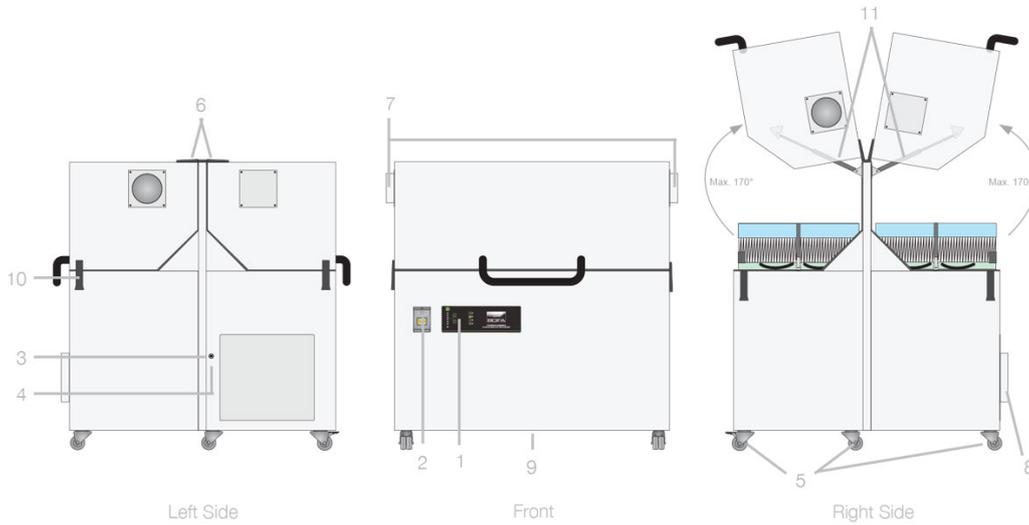
Contact BOFA at <https://bofainternational.com/en/contact/>
<https://bofainternational.com/en/portal/datasheets/v-4000/>



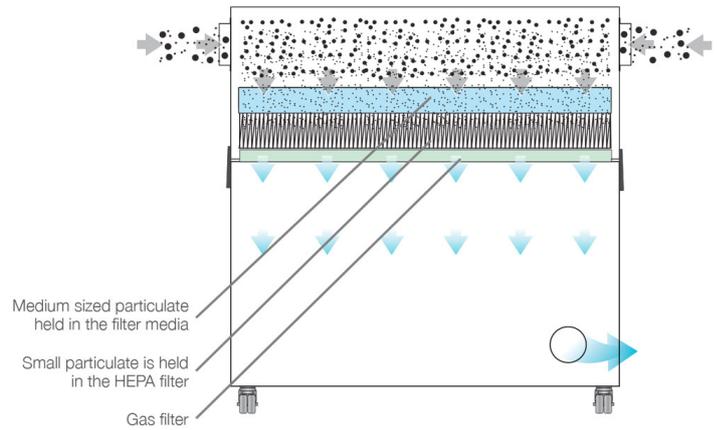
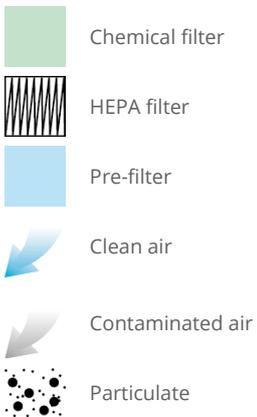
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

Technical specification

- | | | | |
|--|--------------------|-------------------------------------|---------------------------|
| 1. Unit / filter condition display
- automatic flow control | 2. On / off switch | 3. Signal / interface cable | 4. Power cable |
| 5. Castors | 6. Door hinge | 7. Hose inlet connection -
150mm | 8. Exhaust outlet - 250mm |
| 9. Motor cooling inlet | 10. Door latch | 11. Gas springs | |



Airflow through filters



Technical data

	EU	US
Dimensions (HxWxD)	1475 x 1450 x 1500mm	58 x 57 x 59"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	4000m ³ /hr / 30mbar	2354cfm / 30mbar
Electrical data	207V - 253V Δ / Three-phase 3~ / 50Hz / 4kw / 13.5A 360V - 440V Y / 3Ph / 50Hz / 4kw / 7.8A	238V - 290V Δ / Three-phase 3~ / 60Hz / 4.0kw / 7.0A 415V - 505V Y / 3Ph / 60Hz / 4.0kw / 12.1A
Noise level	< 65dBA (at typical operating speed)	< 65dBA (at typical operating speed)
Weight	460kgs	1014lbs
Approvals	UKCA and CE	UKCA and CE

Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
HEPA filter media area	49.5m ² x 2 = 99m ²
Filter efficiency	99.997% @ 0.3 microns
Gas filter	Treated Activated Carbon (35kg x 2) (77lbs x 2)

DeepPleat pre-filter specifications

Surface media area	3m ² approx (32.28 ft ²)
Filter media	Borosilicate
Filter media construction	Folded pleat
Filter housing	Card case
Filter efficiency	96% @ 2 microns

Part numbers

Model	Part no.	24V stop / start	Filter change / system failure signal	VOC monitoring
V 4000 Powder coated	E1843A	A2001	A2002	A2003

Replacement filters part numbers

Model	Pre-filter	HEPA filter	Gas filter
V 4000	A1030183	A1030184	A1030185

Other languages

V 4000
[French](#)

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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