



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY



Base LV180

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Fume extraction system for the Roland LV-180 laser engraver / cutter.

The Base LV180 has been designed so that the Roland LV-180 engraver can sit on top of the extractor, effectively doubling it up as a work station. BOFA's 'Easi-Seal' filter location helps to make filter change easy and quick.

The revolutionary auto-voltage sensing turbine automatically self adjusts to run on any voltage worldwide, while the reverse flow and DeepPleat DUO filter technology enhances filter performance.

Automatic flow control allows the user to preset correct flow rates, giving lower noise levels and further protection of both the combined filter and the patented DeepPleat DUO pre-filter.

Technology



DeepPleat DUO
pre-filter



HEPA filter



Automatic flow
control (AFC)
technology



Reverse flow air
(RFA) technology



Advanced carbon
filter (ACF)
technology



Multi voltage
sensing (MVS) unit



Patented
technology



SureCHECK
quality standard

Key features of the Base LV180

Auto sensing voltage (100-230v) for global use
Standard

DeepPleat DUO pre-filter
Standard

HEPA and gas combined filter
Standard

Easi-seal' filter location
Standard

Low noise level
Standard

Automatic flow control
Standard

Advanced carbon filter technology
Standard

Reverse flow
Standard

Small footprint
Standard

bofainternational.com/roland



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. Standby button

4. Power cable inlet

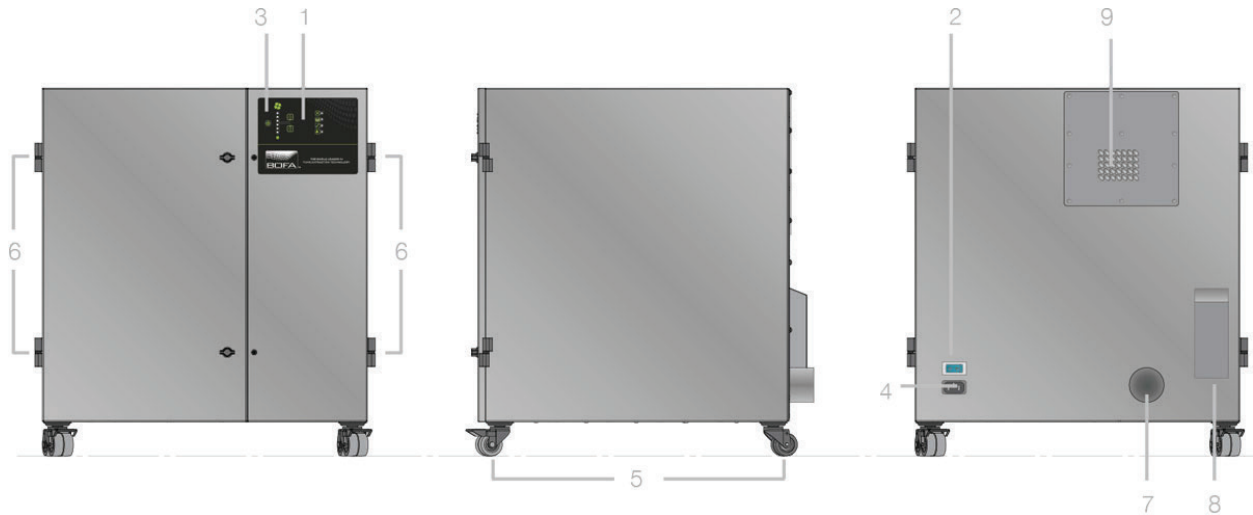
5. Castors

6. Door hinge

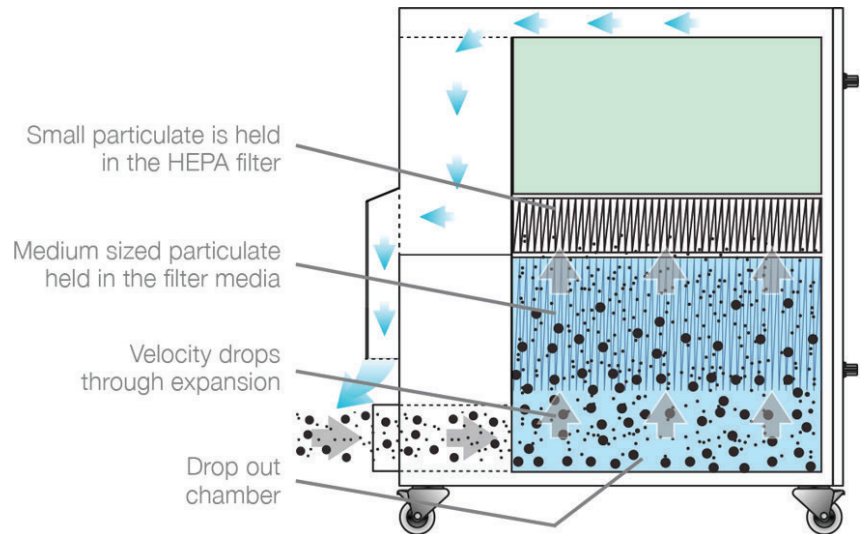
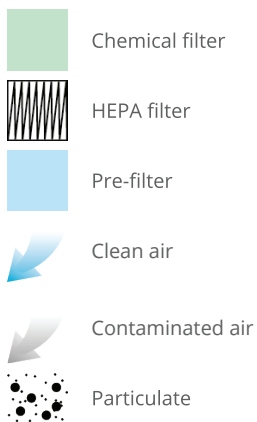
7. Hose inlet connection - 75mm

8. Exhaust outlet

9. Motor cooling inlet



Airflow through filters



Technical data

Dimensions (HxWxD)	790 x 735 x 740mm (31.10 x 28.94 x 29.13")
Cabinet construction	Powder coated mild steel
Airflow / Pressure	380m ³ /hr / 96mbar (223cfm / 96mbar)
Electrical data	100-230v single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 64dBA (at typical operating speed)
Weight	86kg (189lbs)
Approvals	UKCA and CE

DeepPleat DUO pre-filter specifications

Surface media area	12m ² approx (129.12 ft ²)
Filter media	Borosilicate
Filter media construction	Pleated with glue bead spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	75mm (0.24ft)
Dropout chamber size	16.2 litres
Filter media pleat size	200mm (0.65 ft)

Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	15kgs (33 lbs)
Filter efficiency	99.995% @ 0.3 microns

Part numbers

Model	Voltage	Part no.	Hose kit
Base LV180 Powder coated	100-230V	30771513-1462	A1020010

Replacement filters

Model	DeepPleat DUO pre-filter	Combined filter
Base LV180	A1030156	A1030155

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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