



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



LV180 Lite

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

The LV180 Lite fume extraction and filtration system effectively filters potentially harmful fumes and particulates created during the laser marking process. By maintaining a dust-free operating area, the system helps to protect valuable equipment, maintain a higher quality mark, and reduce the number of rejects and contaminants.

The quiet and compact LV180 Lite is ideal for use in light duty laser marking applications, including schools, sign making workshops and small scale industrial environments.

Technology



DeepPleat pre filter



HEPA filter



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



Multi voltage sensing (MVS) unit



SureCHECK quality standard

Key features of the LV180 Lite

Blower with high airflow and pressure
Standard

Filter condition indicator
Standard

Digital flow control system
Standard

Low cost replacement filters
Standard

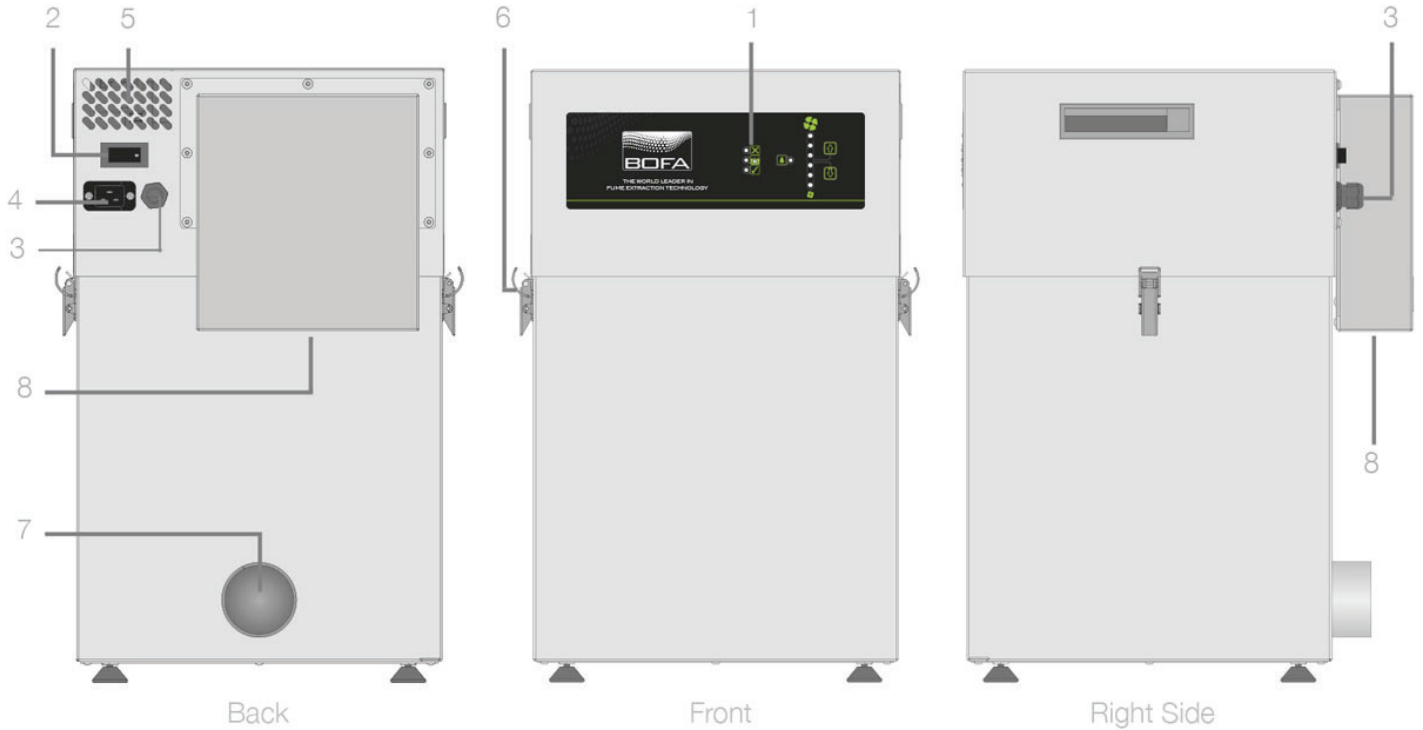
Low noise levels
Standard

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






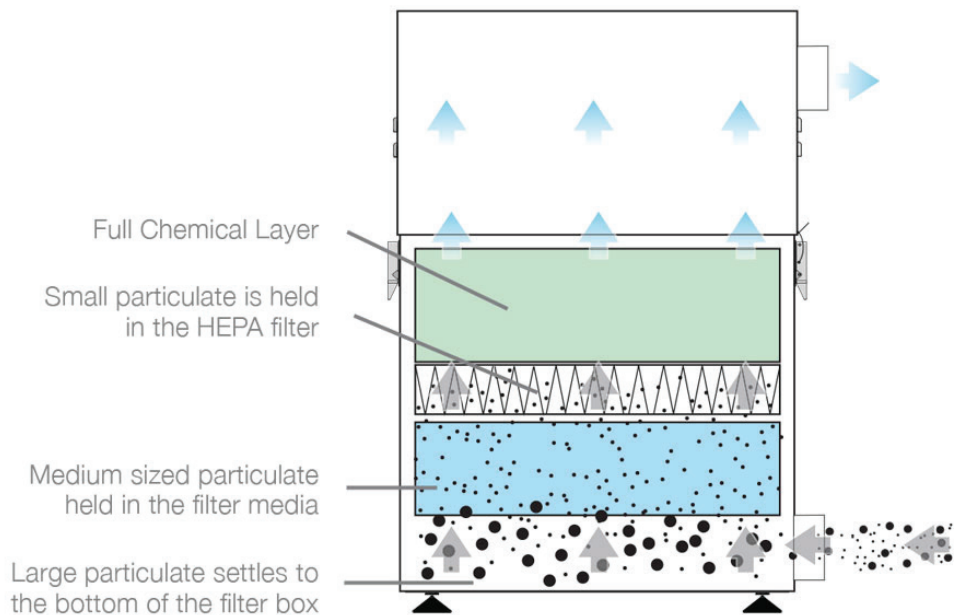
Technical specification

- | | | | |
|-----------------------------|------------------|----------------------------------|----------------------|
| 1. Filter Condition Display | 2. On/Off Switch | 3. Signal / Interface Cable | 4. Power Cable Inlet |
| 5. Motor Cooling Inlet | 6. Filter Latch | 7. Hose Inlet Connection - 100mm | 8. Exhaust Outlet |



Airflow through filters

-  Chemical filter
-  HEPA filter
-  Pre filter
-  Clean air
-  Contaminated air
-  Particulate



Technical data

	EU	US
Dimensions (HxWxD)	590 x 405 x 465 mm	23.23 x 15.94 x 18.31"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	380m ³ /hr / 96mbar	223cfm / 96mbar
Electrical data	110-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw	110-230v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 62dBA (at typical operating speed)	< 62dBA (at typical operating speed)
Weight	35kg	77lbs
Approvals	UKCA and CE	cUL, UL

DeppPleat Pre Filter specifications

Surface Media Area	6m ² approx (64.5 ft ²)
Filter Media	Borosilicate
Filter Media Construction	100mm DeepPleat construction with Webbing Spacers (0.32ft)
Filter Efficiency	95% @ 0.9 microns

Combined Filter specifications

HEPA Filter Media	Borosilicate
HEPA Media Construction	Pleated with glue bead spacers
Filter Housing	Zintec Mild Steel
Treated Activated Carbon	9kgs (19.8 lbs)
Filter Efficiency	99.995% @ 0.3 microns

Unit part numbers

Model	Voltage	Part No.	Hose kit
LV180 Lite Powder coated	100-230V	30821008-1238	A1020011

Replacement filter part numbers

Model	DeepPleat Pre Filter	Combined HEPA / Gas Filter
LV180 Lite	A1030056	A1030055

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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