



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



LV-Pro

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Fume extraction system for the Roland LV-180 and LV-290 laser engravers / cutters.

The LV-Pro has been enhanced with BOFA's Intelligent Operating System (iQ), combining a range of unique features into one compact unit.

The iQ Operating System performs at two distinct levels. Operators benefit from ease of operation and clarity of real-time information, the system also provides a cache of analytical data, enabling users to download performance and operating parameters for evaluation purposes.

The iQ system takes performance and safety parameters to a new level and helps to ensure that maintenance downtime and ownership costs are kept to a minimum.

More information about the [Intelligent Operating System \(iQ\)](#).

Technology



Intelligent Operating System (iQ)



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 LV Pro

Reverse Flow filter technology
Standard

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

HEPA and gas combined filter
Standard

Real-time airflow reading
Standard

Filter status warnings
Standard

Remote diagnostics via USB
Standard

Automatic Flow Control
Standard

Advanced Carbon Filter technology
Standard

High contrast display
Standard

Independent filter condition monitoring
Standard

'Run safe' operation
Standard

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




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

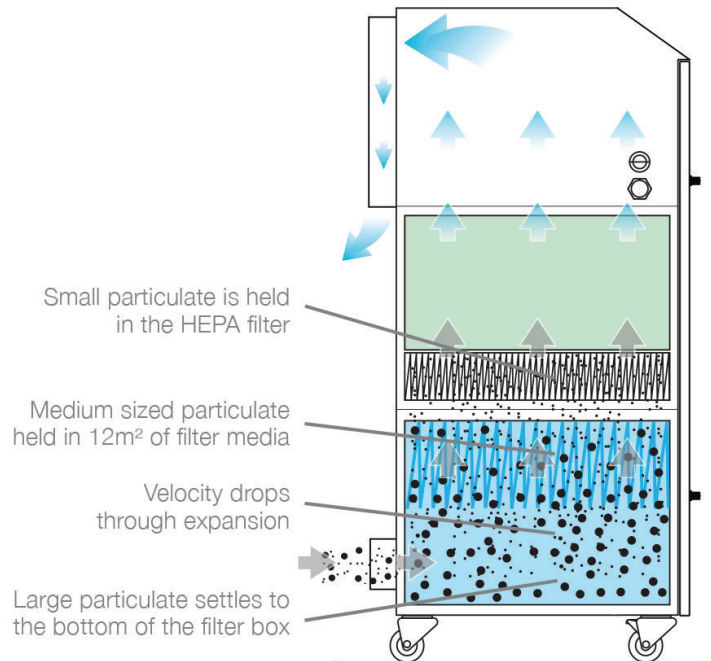
Technical specification

- 1. iQ display
- 2. On/off switch
- 3. Power cable
- 4. Signal / interface cable
- 5. Door hinge
- 6. Hose inlet connection - 75mm
- 7. Exhaust outlet
- 8. Motor cooling inlet
- 9. Door latch



Airflow through filters

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



Technical data

	EU	US
Dimensions (HxWxD)	975 x 455 x 505 mm	38.39 x 17.91 x 19.88"
Cabinet construction	Powder coated mild steel	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	100-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 60dBA (at typical operating speed)	< 60dBA (at typical operating speed)
Weight	65kg	143lbs
Approvals	UKCA and CE	cUL, UL*

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	(F8) 95% @ 0.9 microns
Inlet size	75mm (0.24ft)
Dropout chamber size	16.2 litres
Filter media pleat size	200mm (0.65ft)

Combined filter specifications

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

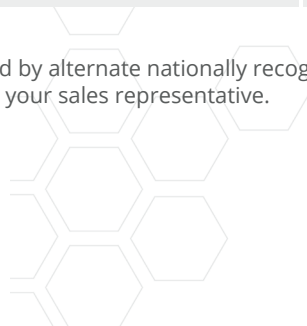
Part numbers

Model	Part number	Hose kit
LV-Pro Powder coated	30771022-1275	A1020010

Replacement filters

Model	DeepPleat DUO pre filter	Combined filter
LV-Pro	A1030156	A1030155

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.



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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