



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

3D PrintPRO 3

3D PRINTING

Last Updated on 30.08.2018



For table top enclosed/partially enclosed 3D printer.

The BOFA 3D PrintPRO 3 incorporates externally mounted plenum system manifolds, which effectively captures fumes generated during the printing process and returns ultra clean, filtered air to the operator's breathing zone.

The BOFA 3D PrintPRO 3 has the benefits of low cost, low power consumption and integral speed control. Each filtration unit is supplied with connection hoses and 'print your own' manifold instructions.

Print your own extendable manifolds 3D drawing files can be found at:

bofainternational.com/en/print-your-own

Technology



HEPA filter



Advanced carbon
filter (ACF)
technology



Multi voltage
sensing unit (MVS)



ProTECT service
plan



SureCHECK
quality standard

Key features of the 3D PrintPRO 3

Digital speed control
Standard

3 level filtration - Pre and HEPA/chemical filters
Standard

Low noise level
Standard

Small footprint
Standard

Compact size
Standard

Filter change indicator
Standard

Hose kit included
Standard

Powder coated for durability
Standard

Compact size
Standard

24V remote stop/ start interface
Optional

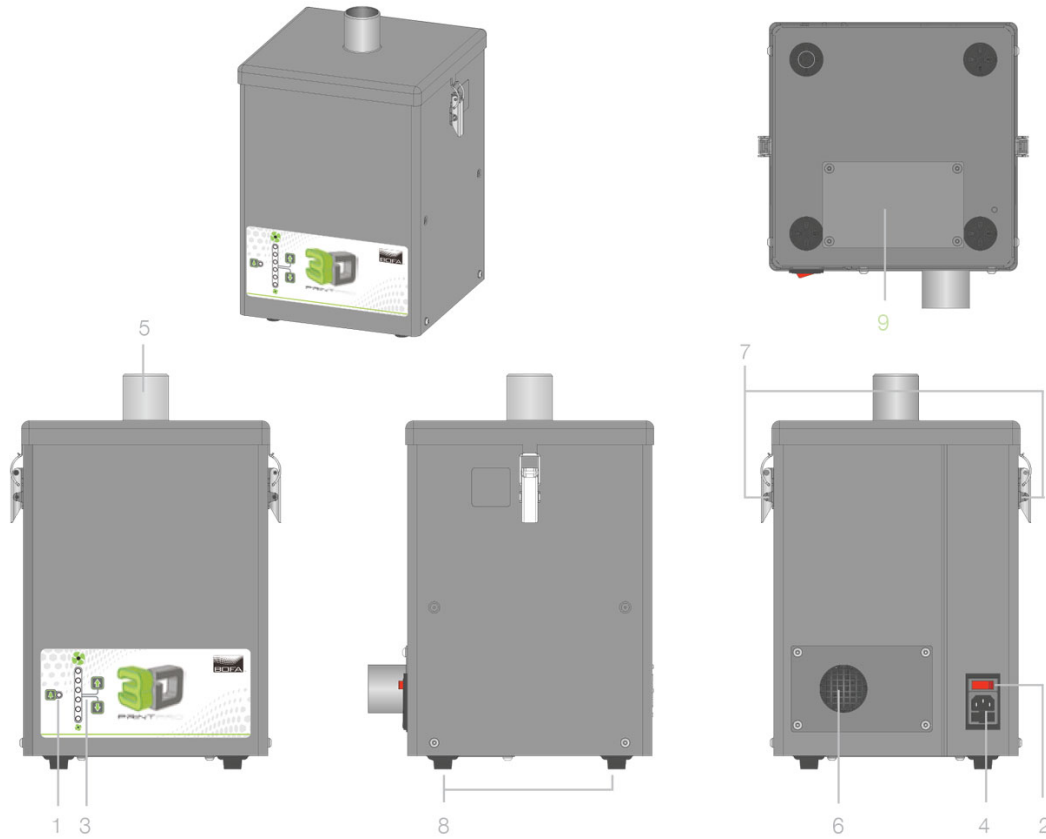
Contact BOFA at <https://bofainternational.com/en/contact/>

<https://bofainternational.com/en/portal/datasheets/3d-printpro-3/>



Technical specification

- | | | | |
|----------------------------------|--------------------------|--------------------------|----------------------|
| 1. Filter / Change indicator | 2. On / Off switch | 3. Digital speed control | 4. Power cable inlet |
| 5. Hose inlet connections - 50mm | 6. Exhaust outlet - 50mm | 7. Lid fastening latches | 8. Feet |
| 9. Optional base exhaust outlet | | | |

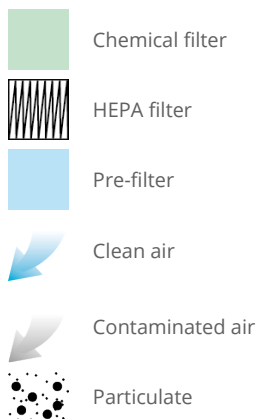


Hose kit specification

- | | | |
|---|-----------------------------------|---|
| 1. 50mm cuff (x 2 Exhaust hose / x 2 Return air hose) | 2. 50mm x 1 m flexible hose (x 2) | 3. 'Print your own' inlet/outlet manifolds (not supplied with hose kit) |
|---|-----------------------------------|---|



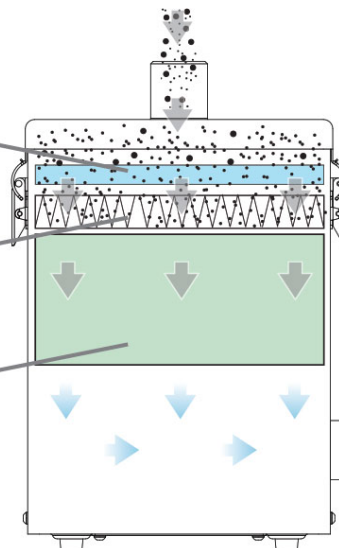
Airflow through filters



Larger particulate is held in the pre filter

Small particulate is held in the HEPA filter

Fumes captured in the chemical filter



Technical data

	EU	US
Dimensions (HxWxD)	400 x 290 x 300mm	15.75 x 11.42 x 11.81"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	150m3/hr	88cfm
Electrical data	230v 1ph 50/60Hz Full load current: 0.7 amps	115v 60/50Hz Full load current: 1.3 amps
Noise level	<57dBA (at typical operating speed)	<57dBA (at typical operating speed)
Weight	11kgs	24.2lbs
Approvals	CE	CE

Pre-filter specifications

Filter media	Polypropylene, Acrylic
Filter media construction	Pad
Filter efficiency	96% @ 2 microns

Combined HEPA / Gas filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Gas filter	Treated activated carbon
Filter housing	Zintec mild steel
Filter efficiency	99.997% @ 0.3 microns

Part numbers

Model	Part number	Optional 24v Stop/Start
3D PrintPRO 3 Powder coated	L5544-0000	A2001

Replacement filter part numbers

Model	Part number	Combined HEPA/Gas filter
3D PrintPRO 3	A1030102	A1030099

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.

