



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# 3D PrintPRO 4

ADDITIVE MANUFACTURING / 3D PRINTING

Last Updated on 02.02.2022



For large format and high-performance 3D printers

The refreshed BOFA 3D PrintPRO 4 provides a premium fume extraction solution for high performing 3D printers. With a special blend of chemical adsorbents and high efficiency particulate filter (HEPA), the extractor delivers protection against emissions from 3D printing processes.

## Technology



HEPA filter



Advanced carbon filter (ACF) technology



Multi voltage sensing (MVS) unit



ProTECT service plan



SureCHECK quality standard

## Key features of the 3D PrintPRO 4

**Multi layer filtration - HEPA and Gas filters**  
Standard

**Low noise level**  
Standard

**Filter change indicator**  
Standard

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

**24V remote stop/ start interface**  
Optional

**Gas sensing technology**  
Optional

**Extended life filters for low cost of ownership**  
Standard

**Compact construction**  
Standard

**Lockable castors**  
Standard

**UL / CE approvals**  
Standard

**Filter status signals to host machine**  
Optional

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

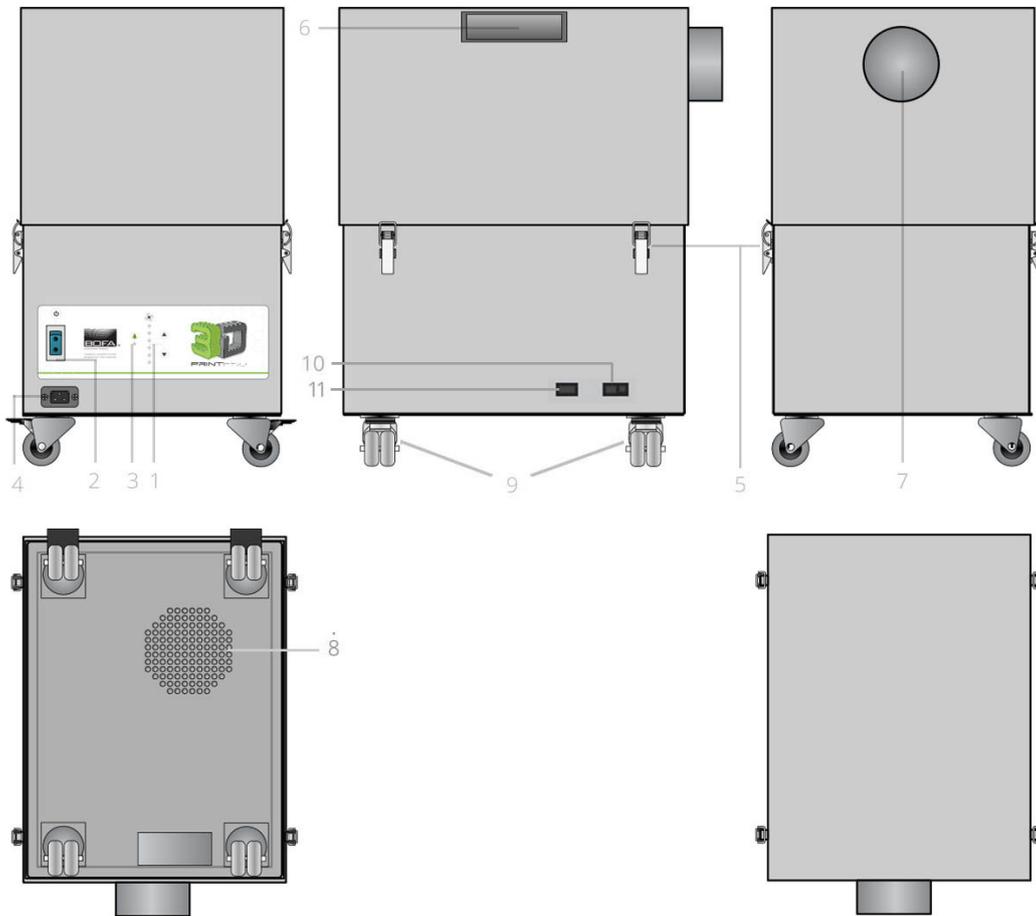
<https://bofainternational.com/en/portal/datasheets/3d-printpro-4/>



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

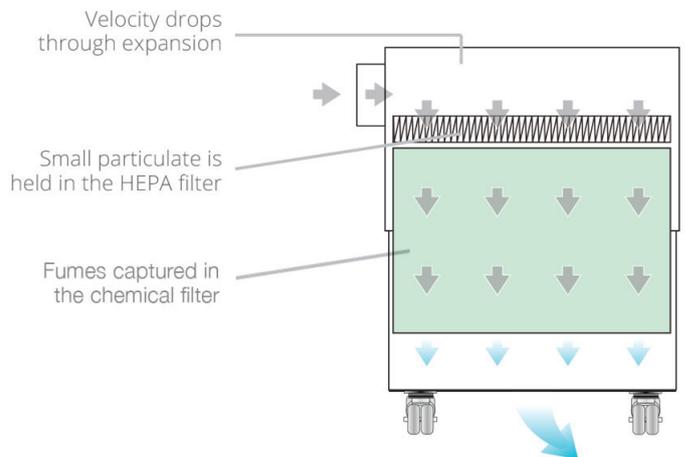
## Technical specification

- |                          |                     |                                  |                      |
|--------------------------|---------------------|----------------------------------|----------------------|
| 1. Digital speed control | 2. On / Off switch  | 3. Filter condition display      | 4. Power cable inlet |
| 5. Lid fastening latches | 6. Handles          | 7. Hose inlet connections - 75mm | 8. Exhaust outlet    |
| 9. Castors               | 10. Override switch | 11. Signal interface             |                      |



## Airflow through filters

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



## Technical data

	EU	US
Dimensions (HxWxD)	625 x 385 x 525	24.60 x 15.16 x 20.67"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Min airflow	50m <sup>3</sup> /hr	30cfm
Max airflow	270m <sup>3</sup> /hr	159cfm
Maximum available vacuum	100 mBar	100 mBar
Electrical data	230v 50/60Hz Full load current: 8.8amps	115v 60/50Hz Full load current: 9.5amps
Noise level	< 75dBA (at typical operating speed)	< 75dBA (at typical operating speed)
Weight	51kgs	113lbs
Approvals	UKCA / CE	cUL / UL*

## HEPA / gas filter specification

Treated activated carbon blend	10.6kg approx (23lbs)
Other adsorbents	5kg approx (11lbs)
Particulate filter media	Borosilicate
Particulate media construction	50mm maxi pleat construction with glue bead spacers (0.16ft)
Filter housing	Zintec mild steel
Media surface area	3.5m <sup>2</sup> approx (37.66ft <sup>2</sup> )
Filter efficiency	99.997% @ 0.9µms

## Unit part numbers

Model	Powder coated	OPTION: 24V Start / Stop + Override	OPTION: Filter condition signal	OPTION: VOC sensor	Part number
3D PrintPRO 4	YES	NO	NO	NO	UK - 376002-2127 EU - 5376002-2127 US - 10376002-2127
3D PrintPRO 4	YES	YES	YES	YES	UK - 12750376002-2127 EU - 12755376002-2127 US - 12760376002-2127

## Replacement filter part numbers

Model	Combined filter
3D PrintPRO 4	A1030469

\* 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.

\*\*Premium filter is included as standard.

*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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