3D PrintPRO 4

Fume Extraction System - 3D PrintPRO Range

Datasheet

Technical Specification and Product Information

A system for large, enclosed 3D printers.



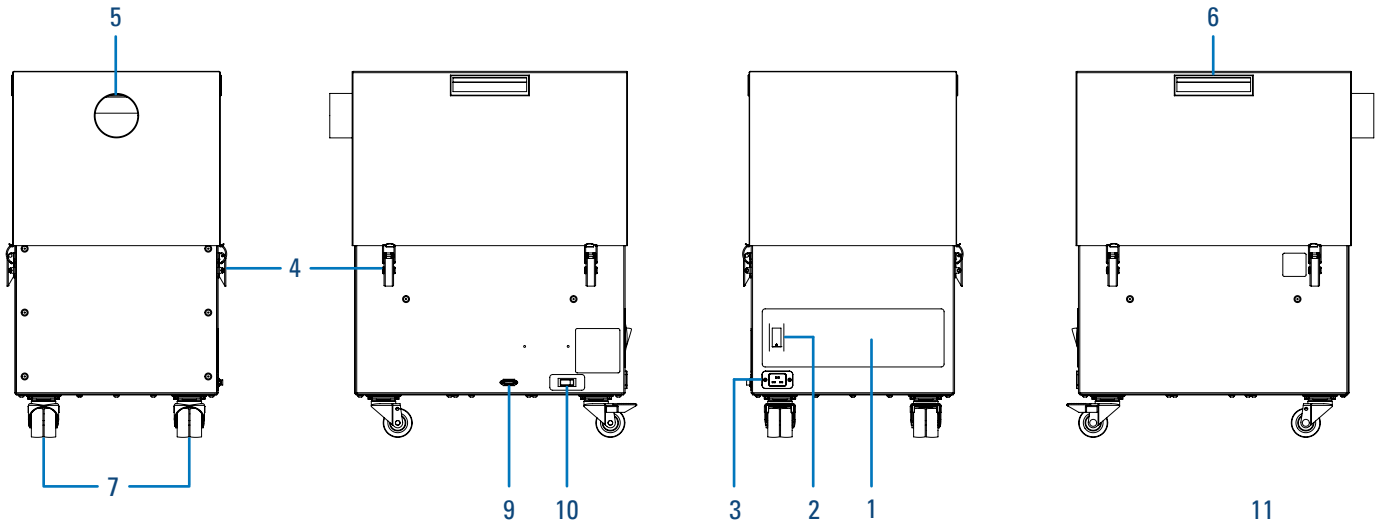
The 3D PrintPRO 4 is a filtration and atmosphere management system designed for large, enclosed, high-performance 3D printers. It connects to the 3D printer and returns filtered air either back into the printer enclosure or into the workplace environment. It features a unique combination of 4 filter mediums to optimize filtration performance. Optional accessories include a connection hose and 'print your own' plenum instructions.

FEATURES

- High airflow rates
- Low noise levels

Approvals: UKCA and CE

TECHNICAL SPECIFICATION



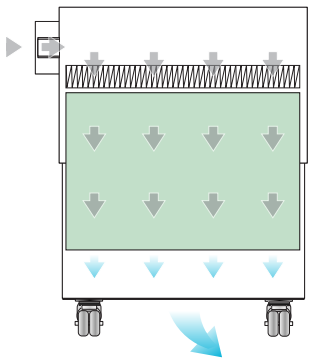
1. Control panel
2. On/off switch
3. Power cable inlet
4. Clips
5. Hose inlet connection - 3.0" (75 mm)
6. Handles
7. Castors
8. Exhaust outlet
9. Signal/interface cable (optional)
10. Override switch (optional)
11. Blower cooling outlet

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
V	cfm	m^3/hr	mbar	in	mm	lbs	kg	dB(A)	Hz	amps
115-230	159	270	100	24.6 x 15.2 x 20.7	625 x 385 x 525	113	51	< 75	50/60	12.5

AIRFLOW

HEPA filter
Chemical filter
Clean filtered air
Contaminated air
Particulate



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options, EU plug	1U5376002-2127-EU
Powder-coated, 115-230 V No options, UK plug	1U376002-2127-UK
Powder-coated, 115-230 V 24 V S/S, SOK, O/R, VOC, UK plug	1U12750376002-2127-UK
Powder-coated, 115-230 V 24 V S/S, SOK, O/R, VOC, USA plug	1U12760376002-2127-US

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft^2	m^2	
Combined filter (HEPA)	36.6	3.4	99.995% @ 0.3 microns

Model	Activated carbon and alumina volume
	ltr
Combined filter (gas)	7.4

CUSTOMIZATIONS

Options

Power cables
Remote stop/start signal (S/S)
System OK signal (SOK)
Override (O/R)
VOC sensor

Cabinet construction

Powder-coated mild steel (Sensations Antique Granite)

Power cables

Type B
Type E
Type G

* Noise level: At typical operating speed.

PART NUMBERS - FILTERS

Combined filter
1UA1030469

Datasheet correct at time of publishing. Where applicable, the carbon used in Donaldson BOFA systems 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 Donaldson can affect the use and performance of Donaldson 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.

bsi. ISO 9001 Quality Management
FS 643451
ISO 9001

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

MJB

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