

3D PrintPRO 2

Fume Extraction System - 3D PrintPRO Range

Datasheet

Technical Specification and Product Information

A compact system for 3D printers.

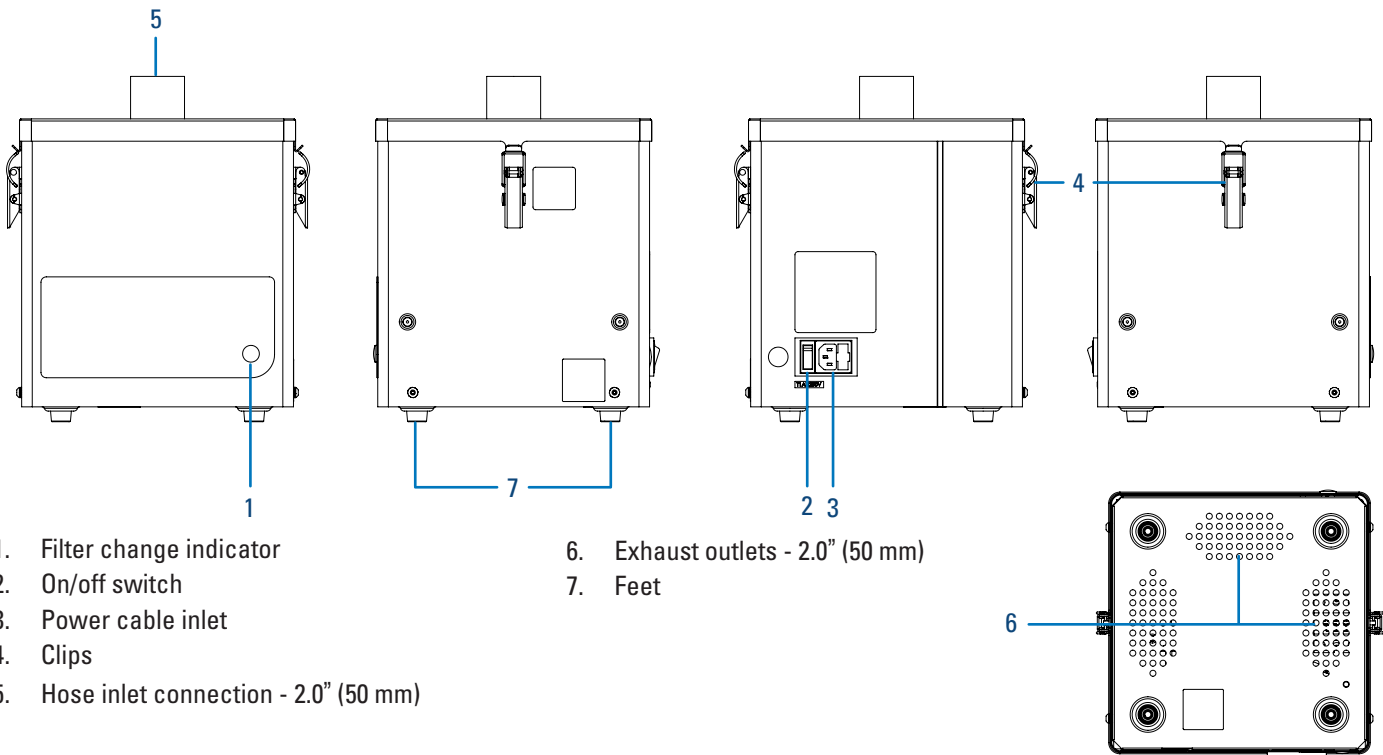
The 3D PrintPRO 2 is an affordable filtration and atmosphere management system for 3D printers. It's designed to filter fumes generated by the printer without causing the filament deposition area to be cooled. Optional accessories include a connection hose, a 'stay put' arm, a conical-shaped nozzle, and 'print your own' plenum instructions.

FEATURES

- Small footprint
- Low noise levels

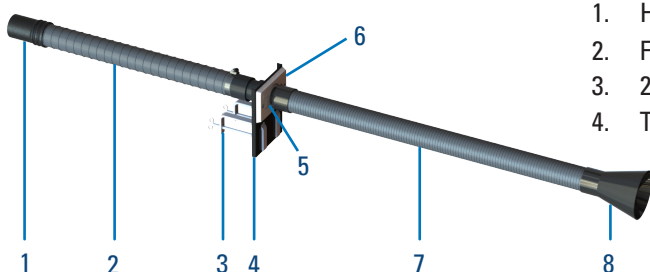
Approvals: UKCA and CE

TECHNICAL SPECIFICATION



- | | |
|---|-----------------------------------|
| 1. Filter change indicator | 6. Exhaust outlets - 2.0" (50 mm) |
| 2. On/off switch | 7. Feet |
| 3. Power cable inlet | |
| 4. Clips | |
| 5. Hose inlet connection - 2.0" (50 mm) | |

HOSE KIT SPECIFICATION (IF INCLUDED)



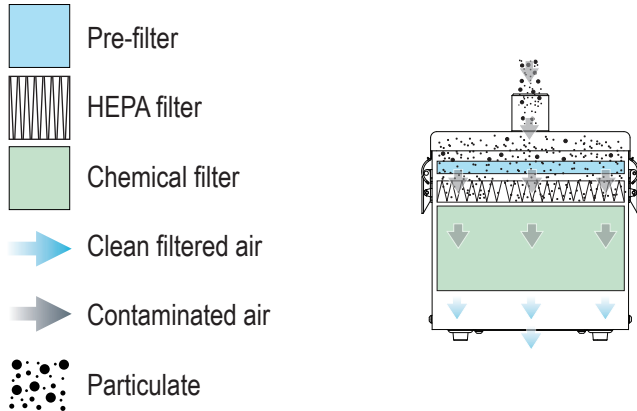
- | | |
|----------------------------------|----------------------------------|
| 1. Hose connector - 2.0" (50 mm) | 5. Flip top mount |
| 2. Flexible hose - 2.0" (50 mm) | 6. Shut-off valve |
| 3. 2 x 'G' clamp | 7. 'Stay-put' arm - 2.0" (50 mm) |
| 4. Table bracket | 8. Funnel |



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			
115-230	27	45	9	13.0 x 11.4 x 10.6	330 x 290 x 270	17	7.8	< 44	50/60	115 V/1.3 A 230 V/1.0 A

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter pad	0.6	0.06	96% @ 2 microns
Combined filter (HEPA)	16.1	1.5	99.995% @ 0.3 microns

Model	Activated carbon volume
	ltr
Combined filter (gas)	3.0

PART NUMBERS - FILTERS

Pre-filter pad (pack of 5)	Combined filter
1UA1030102	1UA1030099

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (June 2025) Donaldson BOFA 3D PrintPRO 2 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalumatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30376000-1584
Powder-coated, 115-230 V Hose kit	1U32111000-1584

CUSTOMIZATIONS

Options

Power cables
Remote stop/start signal (S/S)
Exhaust spigot

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G

* Noise level: At typical operating speed.

3D PrintPRO 3

Fume Extraction System - 3D PrintPRO Range

Datasheet

Technical Specification and Product Information

A freestanding system for 3D printers.

The 3D PrintPRO 3 filtration and atmosphere management system has been designed for 3D printers. It features an externally mounted plenum system that helps filter fumes generated during 3D printing processes. Optional accessories include a connection hose, a 'stay put' arm, a conical-shaped nozzle, and 'print your own' plenum instructions.

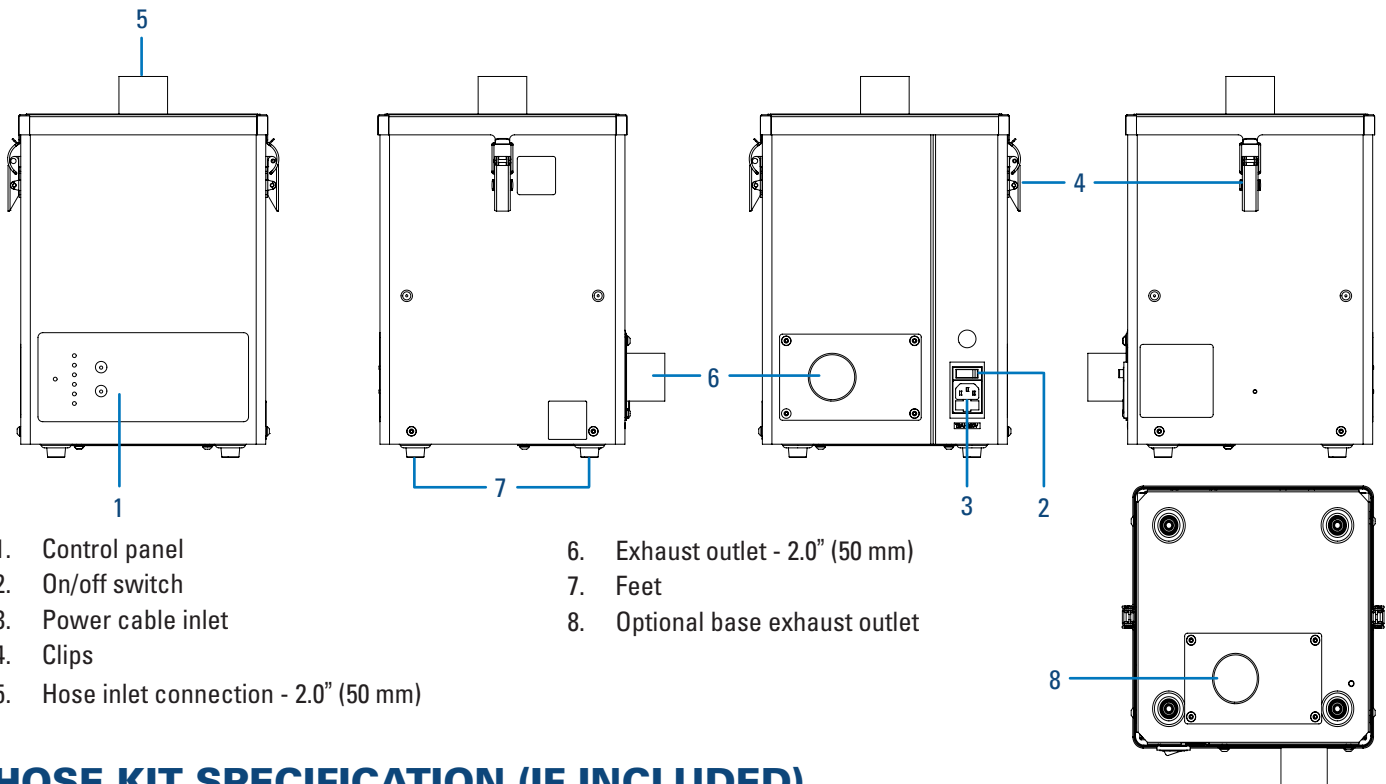


FEATURES

- Small footprint
- Low noise levels
- Digital speed control
- Return airflow capabilities

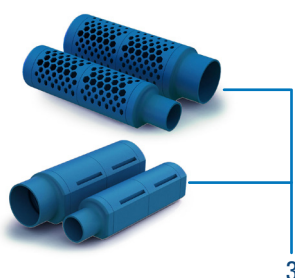
Approvals: UKCA and CE

TECHNICAL SPECIFICATION



1. Control panel
2. On/off switch
3. Power cable inlet
4. Clips
5. Hose inlet connection - 2.0" (50 mm)
6. Exhaust outlet - 2.0" (50 mm)
7. Feet
8. Optional base exhaust outlet

HOSE KIT SPECIFICATION (IF INCLUDED)

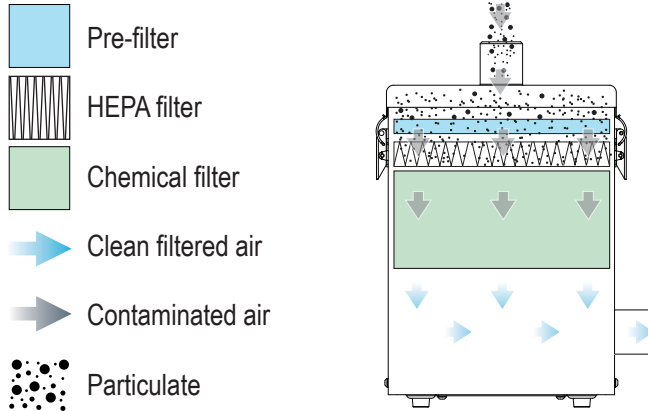


1. 2.0" (50 mm) cuff (x2 exhaust hose/x2 return air hose)
2. 2.0" (50 mm) x 39.4" (1 m) flexible hose (2x)
3. 'Print your own' inlet/outlet manifolds (not supplied with hose kit)

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			
100-230	70	120	20	15.8 x 11.4 x 11.8	400 x 290 x 300	24	11	< 57	50/60	3

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter pad	0.6	0.06	96% @ 2 microns
Combined filter (HEPA)	16.1	1.5	99.995% @ 0.3 microns

Model	Activated carbon volume
	ltr
Combined filter (gas)	3.0

PART NUMBERS - FILTERS

Pre-filter pad (pack of 5)	Combined filter
1UA1030102	1UA1030099

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (June 2025) Donaldson BOFA 3D PrintPRO 3 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalumatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V Hose kit	1U32361001-1597
Powder-coated, 115-230 V 24 V S/S and hose kit	1U182361001-1597

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 Exhaust spigot

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

* Noise level: At typical operating speed.



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

3D PrintPRO 4

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.

Print your own connectors and extendable manifolds 3D drawing files can be found at: donaldsonbofa.com/print-your-own/

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

Silencer box with spigot
Optional

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

Contact BOFA at www.donaldsonbofa.com/contact/

www.donaldsonbofa.com/fume-extraction-systems/3d-printpro-4/



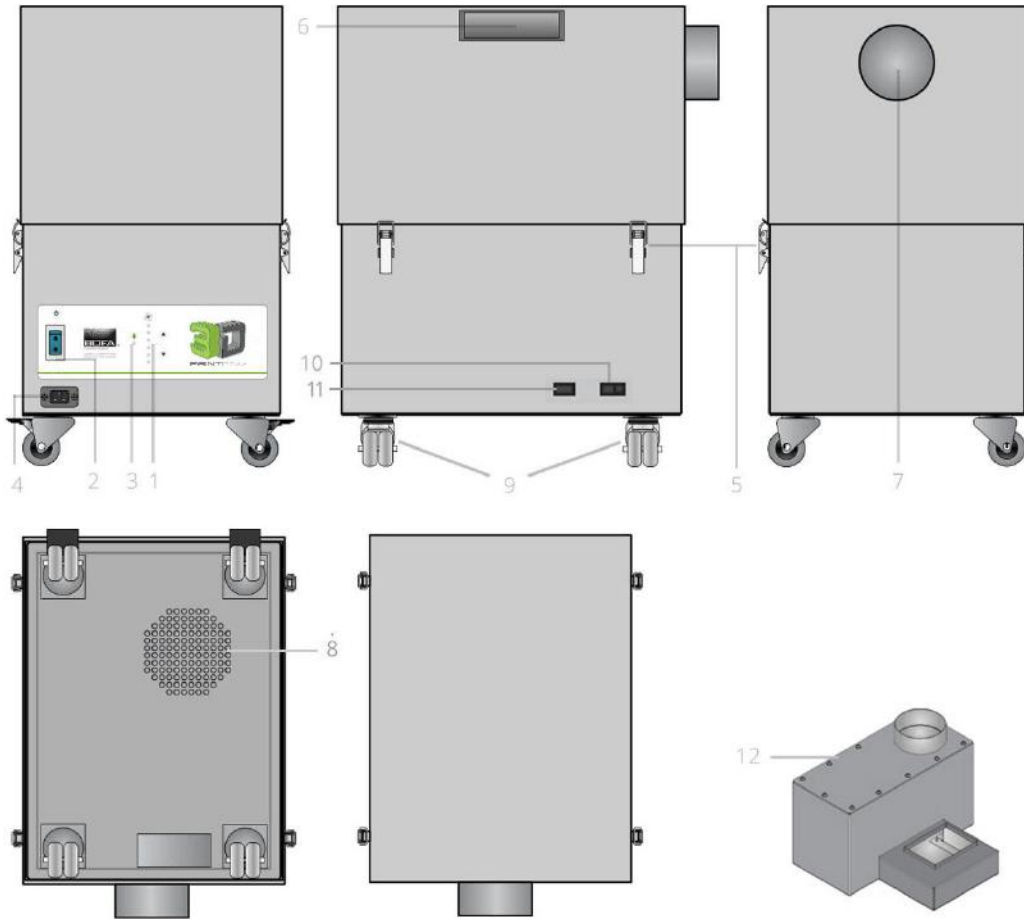
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

9. Castors






10. Override switch

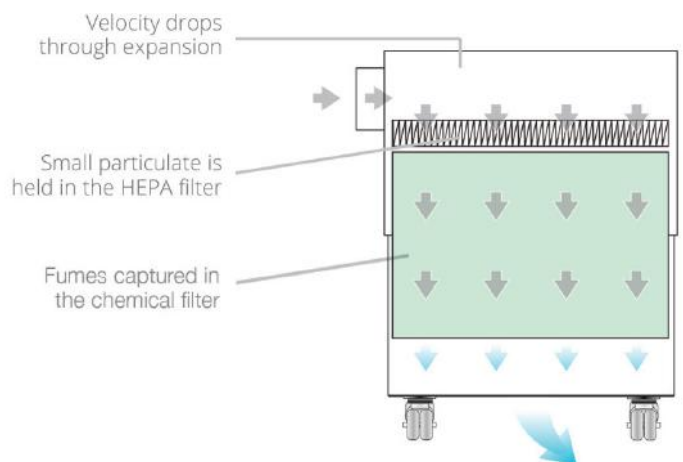
11. Signal interface

12. Optional silencer box with spigot



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

Technical data

Min airflow	50m³/hr	30cfm
Max airflow	270m³/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	3.5m² approx (37.66ft²)
Filter efficiency	99.997% @ 0.3µms

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

Optional silencer box

Model	Silencer box with spigot
Part number	A1060052

* 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.*

Think before you print! Please consider the environment before printing this document.





A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

3D PrintPRO HT

FUME EXTRACTOR

MATERIAL EXTRUSION | MATERIAL JETTING | VAT PHOTO POLYMERIZATION

POST-PROCESSING



3D PrintPRO HT
Max airflow: 80m³/h
(+/- 10%)

3D PrintPRO 2



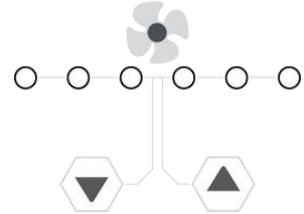
3D PrintPRO 3



3D PrintPRO 4



Control | Speed control included in the recirculatory unit



Modular | Individual units can be acquired separately to fit your needs



High temperature | Handles applications of up to 100 °C



Recirculation | Recirculate the filtered air back into your process



Contact BOFA at www.donaldsonbofa.com/contact/



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

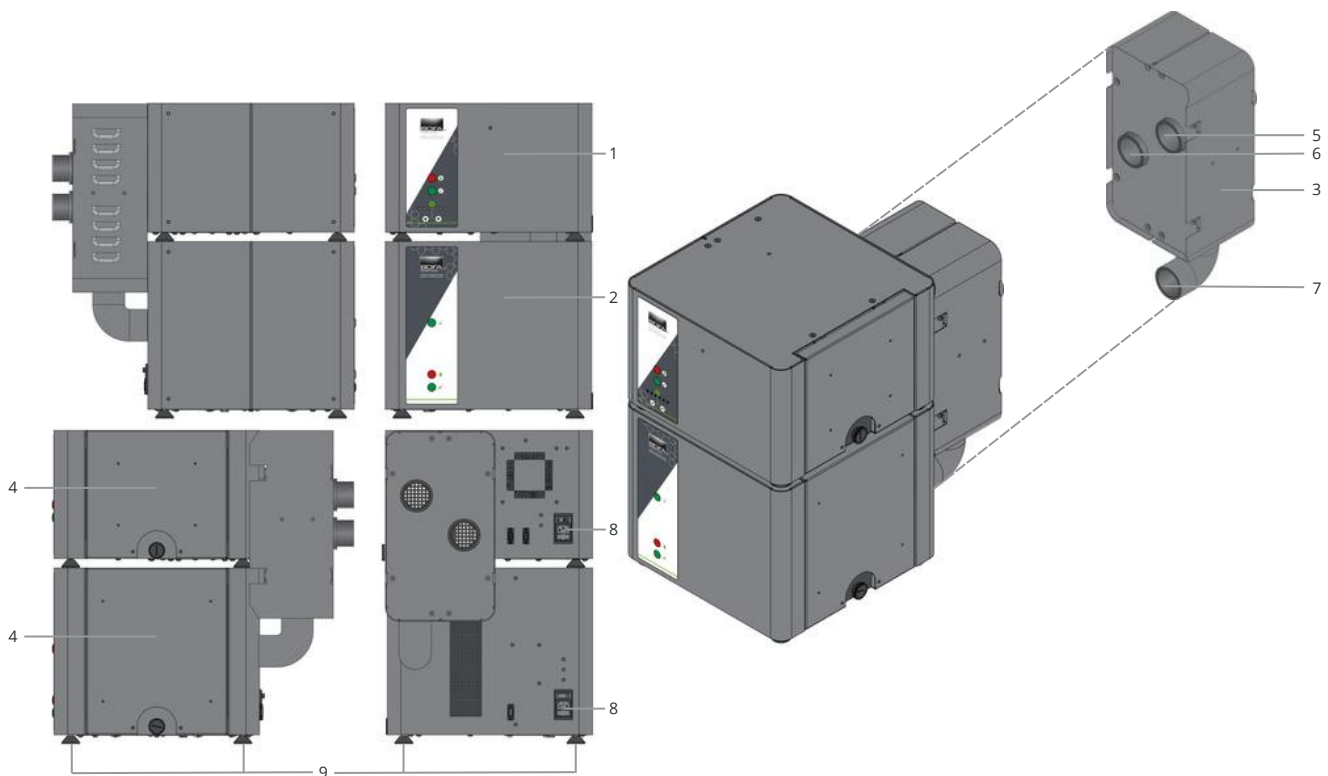


3D PrintPRO HT

FUME EXTRACTOR

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

- 1. HTR - Recirculation unit
- 2. HTP - Purge unit
- 3. HTV - Valve unit
- 4. Filter compartments
- 5. Air intake
- 6. Air exhaust spigot
- 7. Silicone 90° elbow
- 8. Power inlet
- 9. Feet



TECHNICAL DATA

Technical data	
Full unit dimensions (H x W x D)	608 x 406 x 590 mm
Valve unit dimensions (H x W x D)	450 x 210 x 205 mm
Electrical data	Voltage: 230V Frequency: 50Hz Full load current: 2.0 amps
Interface signal connection	12V stop/start, FCS and interface connection for the Purge unit
Weight (standard extractor with filters)	50 kg
Power cables	Type G and type F
Approvals	UKCA and CE
Full unit part number - UK	1U1480376689-UK
Full unit part number - EU	1U1480376689-EU

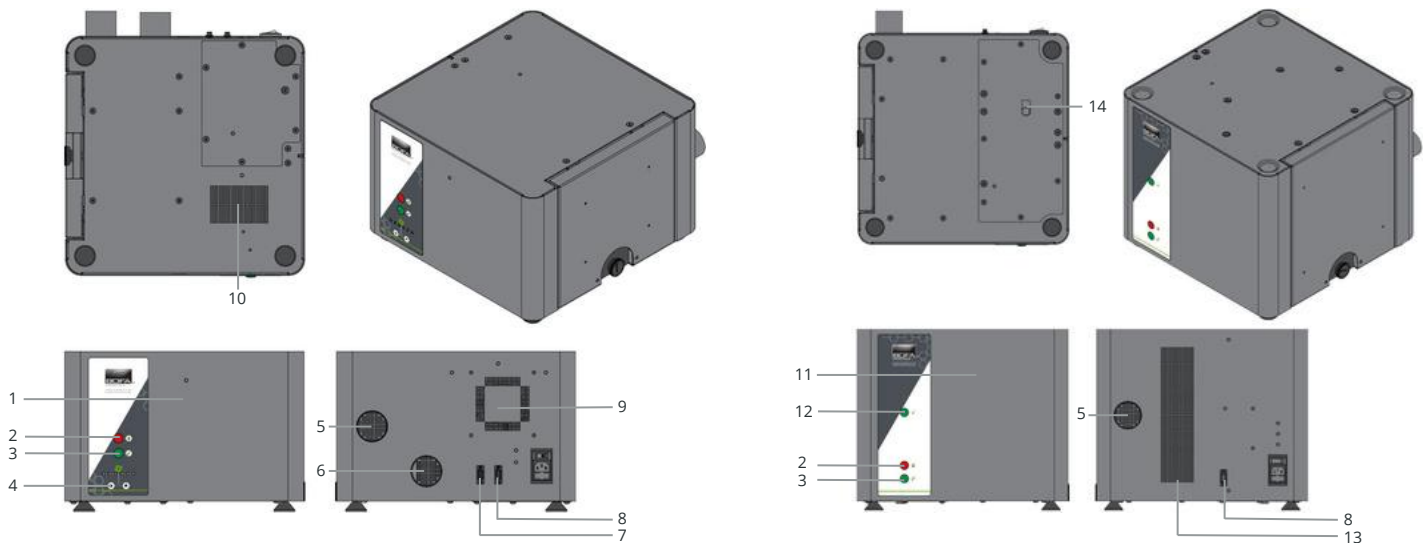


3D PrintPRO HT

FUME EXTRACTOR

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

- | | | | |
|---|---|----------------------|-----------------------------|
| 1. HTR - Recirculation unit | 2. Filter indicators | 11. HTP - Purge unit | 12. Purging indicator light |
| 3. Filter clean/block light | 4. Speed control | 13. Purge exhaust | 14. Overrun timer |
| 5. Air intake | 6. Air exhaust spigot | | |
| 7. Interface connector to
purge unit | 8. Stop/start and filter signal
connectors | | |
| 9. Cooling air exhaust | 10. Cooling air inlet | | |



TECHNICAL DATA

Technical data	Recirculation unit (HTR)	Purge unit (HTP)
Full unit dimensions (H x W x D)	268 x 406 x 445 mm	347 x 406 x 445 mm
Unrestricted airflow*	80m ³ /hr (+/- 10%)	22 m ³ /hr (+/- 10%)
Settable range**	20-80 m ³ /hr (+/- 10%)	N/A
Max pressure	40mBar (+/- 10%)	N/A
Electrical data	Voltage: 230V Frequency: 50Hz Full load current: 2.0 amps	Voltage: 230V Frequency: 50Hz Full load current: 2.0 amps
Interface signal connection	12V stop/start and FCS	12V stop/start, FCS and interface connector
Noise level at operators position	< 65dBA	< 75dBA
Weight (standard extractor with filters)	20 kg	24 kg
Power cables	Type G and type F	Type G and type F
Approvals	UKCA and CE	UKCA and CE
Part numbers - UK	1U600376687-2133	1U600376688-2134
Part numbers - EU	1U600376687-2133-EU	1U600376688-2134-EU

* **Airflow range** = The airflow values provided with clean filters, hose kit, at 230V, measured by using a hot wire. The numbers may vary depending on voltage and test procedure used. Close loop hose kit has been used for testing.

** **Settable range** = BOFA recommends utilising the lowest flow rate that achieves the correct capture velocity for your application in order to maximise filter life. Please note the Purge unit does not have a settable range due to the design of the unit.

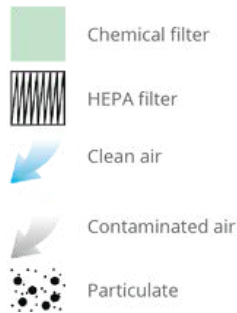


3D PrintPRO HT

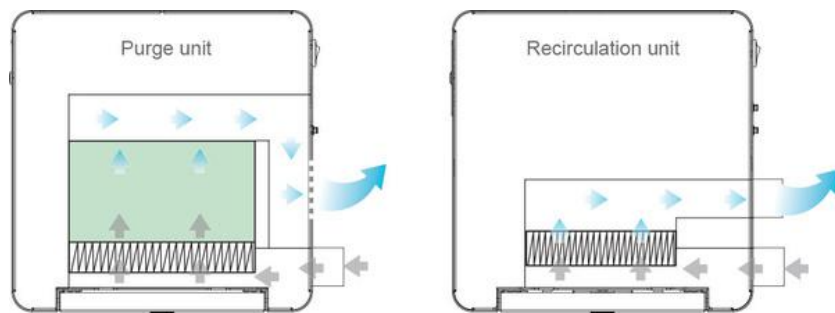
FUME EXTRACTOR

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

Airflow through filters



Top view



FILTER SPECIFICATIONS

HEPA specifications

Filter efficiency	99.997% @ 0.3 microns
-------------------	-----------------------

Combined filter specifications

Filter efficiency	99.997% @ 0.3 microns
Activated carbon	2.95 ltrs

Replacement filters

Model	HEPA filter (HTR)	Combined filter (HTP)
3D PrintPRO HT	1UA1030499	1UA1030487

Hose kits

Full system and HTR	1UA1020646
HTP	1UA1020647

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.

Think before you print! Please consider the environment before printing this document.

AD 1000 iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A system for medium to heavy-duty laser applications.

The AD 1000 iQ fume extraction system is a perfect choice for medium to heavy-duty applications that generate large amounts of particulate. With a greater airflow than the AD 500 iQ, it also offers significant filter capacity.

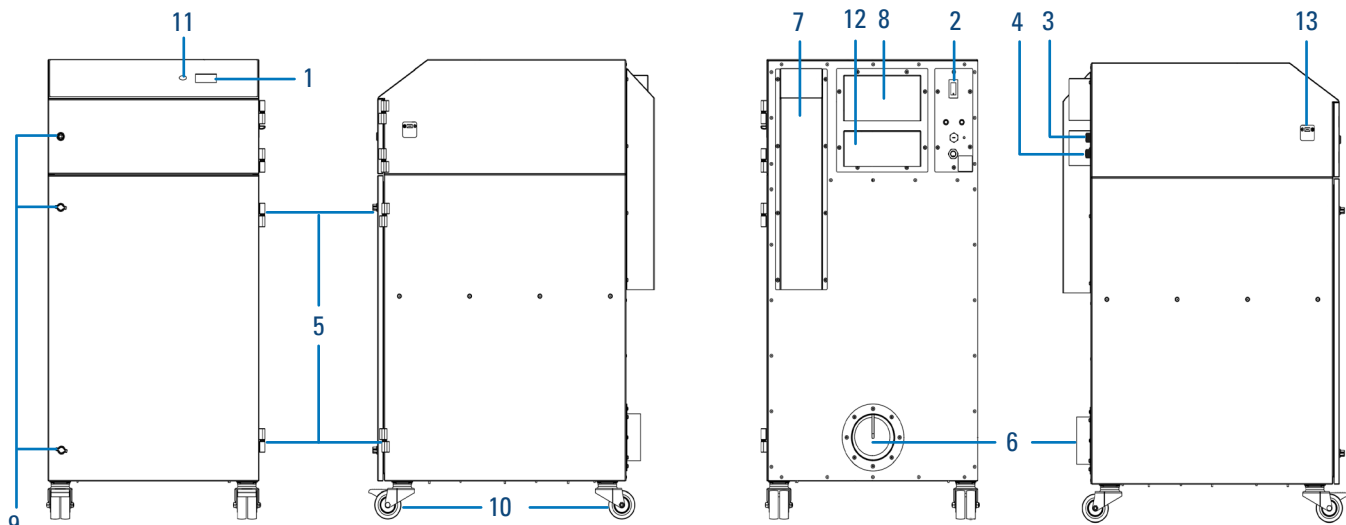
FEATURES

- Real-time airflow reading
- Independent filter condition monitoring
- High contrast display
- Remote diagnostics via USB
- Long-life, low-cost replacement filters

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

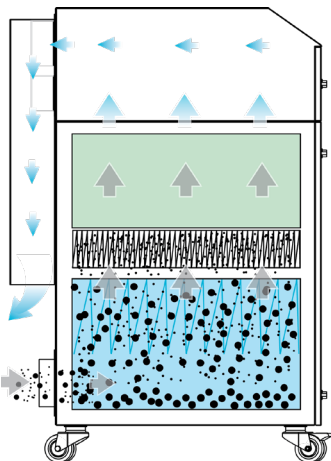
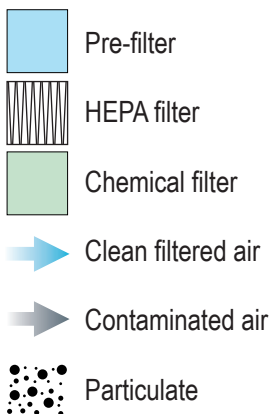


- | | | |
|---------------------------|---|---------------------------|
| 1. iQ display | 6. Hose inlet connection - 4.92" (125 mm) | 11. Standby button |
| 2. On/off switch | 7. Exhaust outlet | 12. Blower cooling outlet |
| 3. Power cable | 8. Blower cooling inlet | 13. USB port |
| 4. Signal/interface cable | 9. Door latches | |
| 5. Door hinges | 10. Castors | |

TECHNICAL DATA

Voltage	Unrestricted airflow** (+/- 10%)		Settable airflow range***		Pressure (+/- 6%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level****	Frequency	Full load current
	V	cfm	m ³ /hr	cfm		m ³ /hr	in	mm	lbs			
115	515	875	177-430	300-730	65	47.4 x 24.4 x 31.1	1205 x 620 x 790	324	147	< 70	50/60	19.5
230			177-459	300-780	60							12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	F8 50% @ 0.3 microns
Combined filter (HEPA)	80.7	7.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	53.7	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030222	1UA1030297

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (January 2025) Donaldson BOFA AD 1000 IQ Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalmatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30811503-A-1419
Powder-coated, 230 V No option, USA plug	1U30811503-A-1419-US
Powder-coated, 230 V 24 V S/S, SOK, USA plug	1U630811503-A-1419-US
Powder-coated, 230 V 24 V S/S, SOK, O/R	1U4680811503-A-1419
Powder-coated, 115 V No options	1U10810503-A-1419
Powder-coated, 115 V 24 V S/S, SOK, O/R	1U4665810503-A-1419
Powder-coated, 115 V 24 V S/S, SOK, O/R, USA plug	1U4665810503-A-1419-US
Stainless steel, 230 V 24 V S/S and SOK	1U630106503-A-1419

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel
Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G
Type free ends

Compatible accessories:

Spark Arrestor 2
ILF 600

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

** Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

*** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

**** Noise level: At typical operating speed.

AD 1000 Pro OS AD 1000 Pro OS Connect

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

An extraction system for medium to heavy-duty laser applications.

The AD 1000 Pro OS Connect fume extraction system is an ideal choice for applications that generate high levels of particulate. Equipped with our new, innovative Pro OS software platform, this intuitive system takes productivity to the next level.

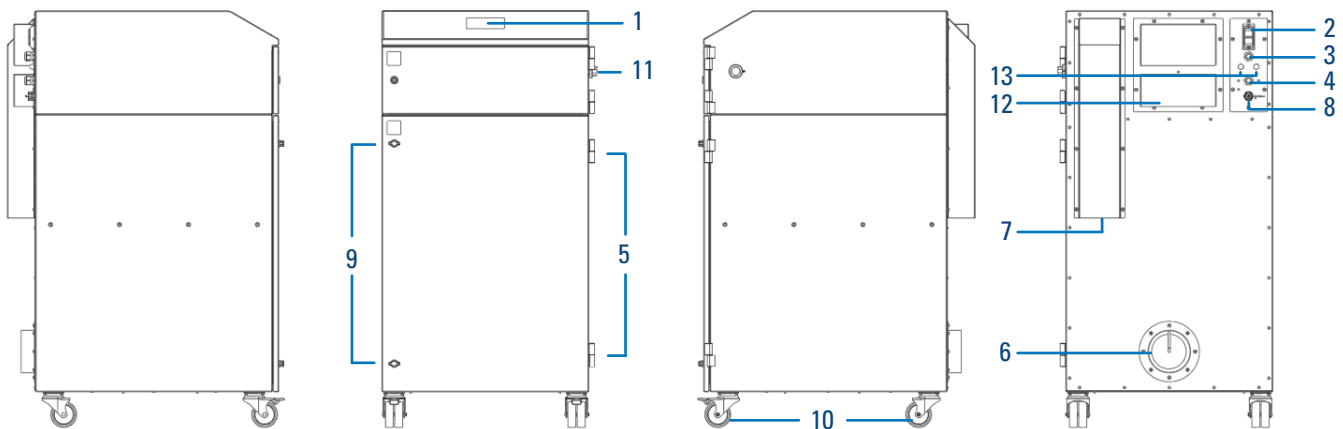
FEATURES

- Two-way data stream
- Color touch screen
- Real-time system status
- Multi-language software
- Customizable branding
- Filter life monitor
- Pressure sensors
- Alarm configurations
- USB lock screen

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

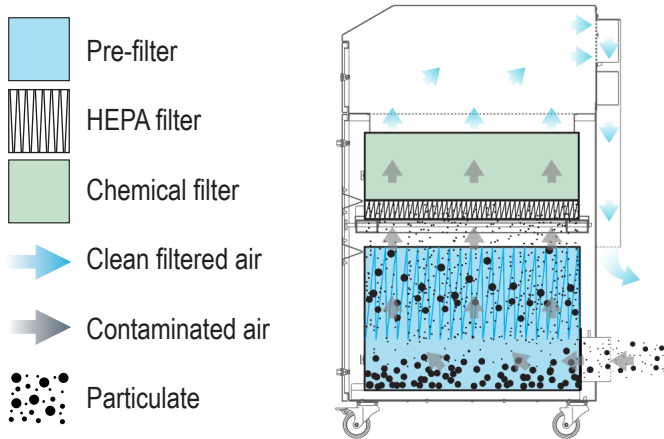


1. Touchscreen display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 4.92" (125 mm)
7. Exhaust outlet
8. RJ45 ethernet port**
9. Door latches
10. Castors
11. USB port
12. Blower cooling outlet
13. Overcurrent trips (115 V only)

TECHNICAL DATA

Voltage	Unrestricted airflow*** (+/- 10%)		Settable airflow range****		Pressure (+/- 6%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level***** dB(A)	Frequency Hz	Full load current amps
	V	cfm	m ³ /hr	cfm		m ³ /hr	in	mm	lbs			
115	515	875	177-430	300-730	65	47.4 x 24.6 x 31.7	1205 x 625 x 805	309	140	< 70	50/60	19.5
230			177-459	300-780	60							12.8

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 230 V 24 V S/S, SOK, VOC, UK Plug	1U8700106705
Stainless steel, 230 V 24 V S/S, SOK, VOC, EU Plug	1U8705106705
Stainless steel, 115 V 24 V S/S, SOK, VOC, USA Plug	1U8710105705
Powder-coated, 230 V 24 V S/S, SOK, VOC, UK Plug	1U8700811705
Powder-coated, 230 V 24 V S/S, SOK, VOC, EU Plug	1U8705811705
Powder-coated, 115 V 24 V S/S, SOK, VOC, USA Plug	1U8710810705

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	ePM1 70%
Combined filter (HEPA)	80.7	7.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	53.7	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030222	1UA1030297

Cabinet construction

Brushed stainless steel
Powder-coated mild steel (RAL7016)

Compatible accessories:

Spark Arrestor 2
ILF 600

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

**Connectivity: The Pro OS models feature connectivity via an RJ45 port which is located on the rear of the extraction system. This port can be used as 2-way communication, enabling the control of the extraction system as well as live data streaming from the system. For information on how to configure your device to communicate with the Pro OS, please use document: SG-PRO OS CONNECT PROTOCOL CONFIGURATION GUIDE-BOFA-US

*** Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

**** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

***** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (January 2025) Donaldson BOFA AD 1000 Pro OS Connect Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD 1500 iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A system for heavy-duty laser applications.

The AD 1500 iQ fume extraction system is perfect for heavy-duty applications that produce considerable amounts of particulate. It has a large filter capacity and provides higher airflow than the AD 1000 iQ system.

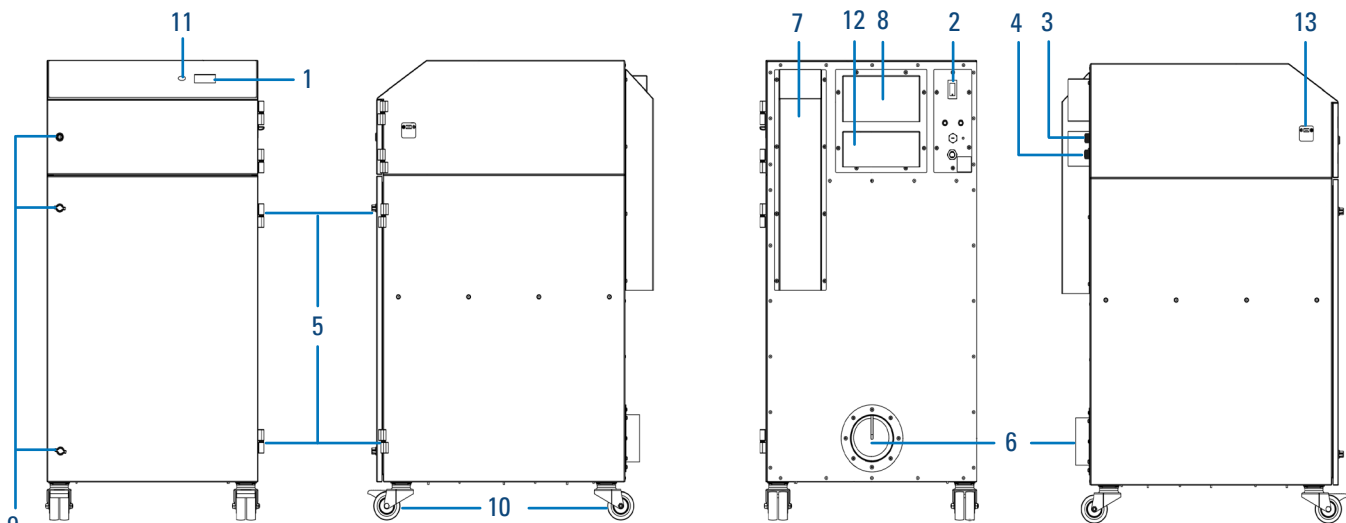
FEATURES

- Real-time airflow reading
- Independent filter condition monitoring
- High contrast display
- Remote diagnostics via USB
- Long-life, low-cost replacement filters

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

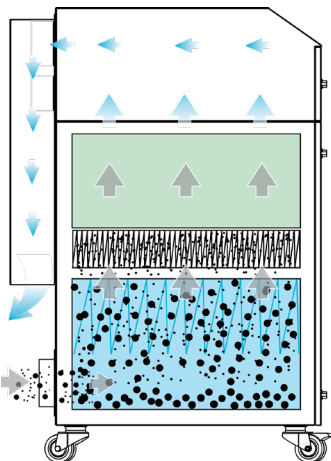
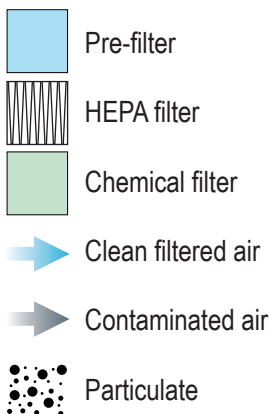


- | | | |
|---------------------------|---|---------------------------|
| 1. iQ display | 6. Hose inlet connection - 4.92" (125 mm) | 11. Standby button |
| 2. On/off switch | 7. Exhaust outlet | 12. Blower cooling outlet |
| 3. Power cable | 8. Blower cooling inlet | 13. USB port |
| 4. Signal/interface cable | 9. Door latches | |
| 5. Door hinges | 10. Castors | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
230 1 ph	735	1250	100	47.4 x 24.4 x 31.1	1205 x 620 x 790	322	152	< 68	50/60	24
415 3 ph										8.5 Ph / 14.5 A N

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options, NEMA L6-30P Plug	1U12061504-2181-US
Powder-coated, 230 V 24 V S/S, SOK, NEMA L6-30P Plug	1U4662061504-2181-US
Powder-coated, 230 V 24 V S/S, SOK and O/R	1U4680811504-1419-01
Powder-coated, 415 V No options	1U15812004-1419
Powder-coated, 415 V 24 V S/S and SOK	1U645812004-1419
Stainless steel, 230 V 24 V S/S and SOK	1U630106504-1419

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	F8 50% @ 0.3 microns
Combined filter (HEPA)	80.7	7.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	53.7	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030222	1UA1030297

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel
Powder-coated mild steel (RAL7016)

Power cables

Red commando plug (415 V)
Blue commando plug (230 V)
NEMA L6-30P plug

Compatible accessories:

Spark Arrestor 2

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

** Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (April 2026) Donaldson BOFA AD 1500 IQ Datasheet. ©2011-2026 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD 350

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A compact system for light-duty laser applications.

The AD 350 is a compact extraction system designed to filter fumes and particulate created during light-duty applications. The system helps to protect equipment, maintain quality, and reduce the number of rejects and contaminants.

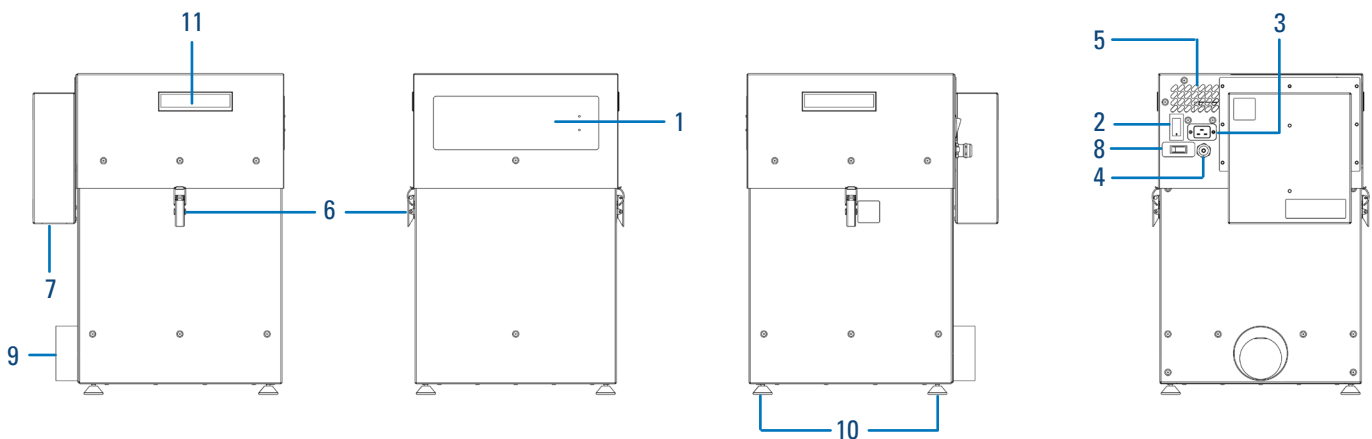
FEATURES

- Low noise levels
- Small footprint
- Long-life, low-cost replacement filters



Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

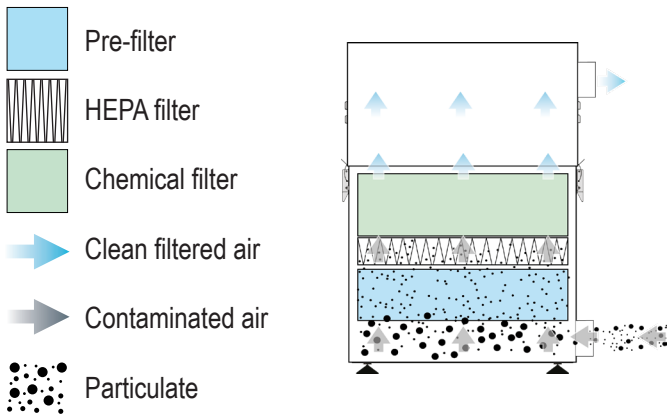


- | | |
|---------------------------|--|
| 1. Control panel | 7. Exhaust outlet |
| 2. On/off switch | 8. Override switch |
| 3. Power cable inlet | 9. Hose inlet connection - 3.9" (100 mm) |
| 4. Signal/interface cable | 10. Feet |
| 5. Blower cooling inlet | 11. Handles |
| 6. Clips | |

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	cfm	m ³ /hr		in	mm	lbs	kg			
115-230	206	350	96	23.2 x 14.8 x 18.3	590 x 375 x 465	77	35	< 62	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30761008-1238
Powder-coated, 115-230 V 24 V S/S, SOK and O/R	1U4680761008-1238
Powder-coated, 115-230 V 24 V S/S, SOK, O/R and VOC	1U12780761008-1241
Powder-coated, 115-230 V VOC	1U8130761008-1241
Powder-coated, 115-230 V 24 V S/S, SOK, O/R, USA plug	1U4660761008-1238

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat pre-filter	64.5	6	95% @ 0.9 microns
Combined filter (HEPA)	22.6	2.1	99.997% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	16.5	7.5

PART NUMBERS - FILTERS

DeepPleat pre-filter	Combined filter
1UA1030056	1UA1030055

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)
 Override (O/R)
 VOC sensor
 NOx sensor
 Exhaust box/exhaust spigot

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

Compatible accessories:

ILF 300
 ILF 600
 ILF 1000

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

** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (January 2025) Donaldson BOFA AD 350 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD 2000 iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A high-performing system for the most demanding laser applications.

The AD 2000 iQ fume extraction system is the perfect choice for the most demanding laser applications where high-performance extraction is required. The design also allows for greater flexibility of different exhaust installations and configurations.

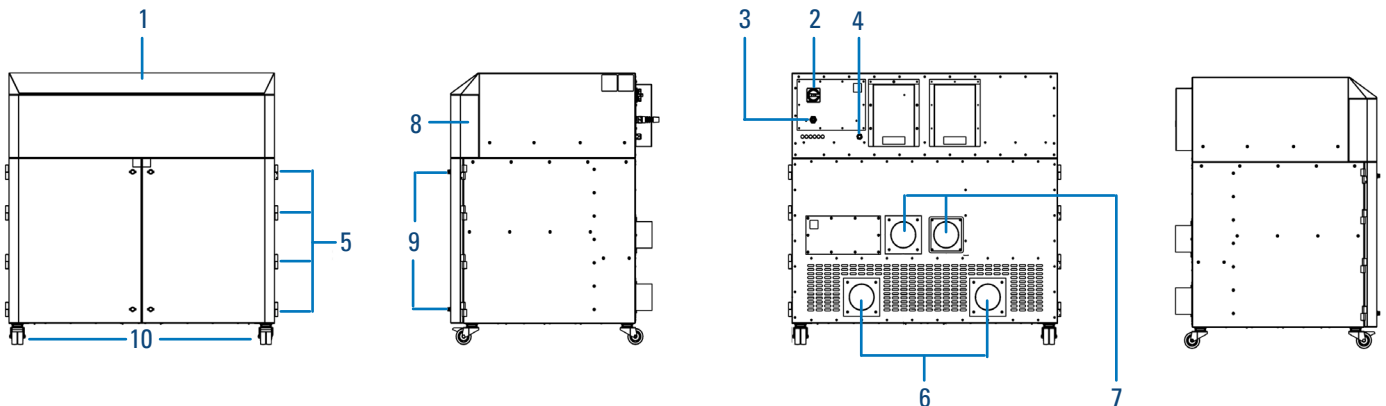
FEATURES

- High contrast display
- Real-time airflow reading
- Remote diagnostics via USB

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

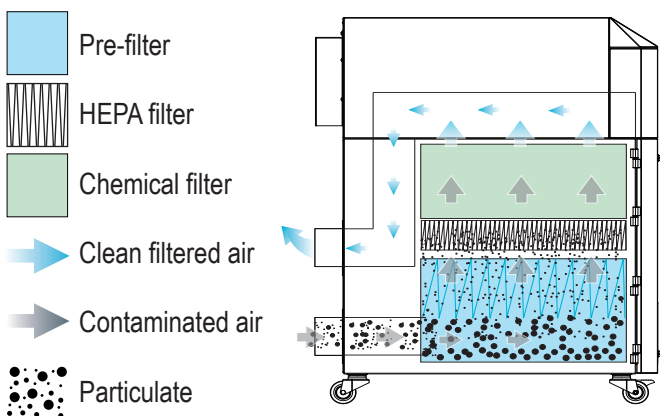


- | | |
|---------------------------|--|
| 1. Control panel | 6. Hose inlet connections - 4.9" (125 mm) |
| 2. On/off switch | 7. Optional exhaust outlet connections - 4.9" (125 mm) |
| 3. Power cable | 8. Removable front panel |
| 4. Signal/interface cable | 9. Door latches |
| 5. Door hinges | 10. Castors |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
208, 3 Ph	1470	2500	96	50.4 x 53.5 x 39.6	1280 x 1360 x 1005	750	340	< 75	60	L1, L2, L3 18A - N 31.5A
415, 3 Ph										50

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	F8 50% @ 0.3 microns
Combined filter (HEPA)	80.7	7.5	99.995% @ 0.3 microns

Values above show surface area per filter. Totals below:

2 x DeepPleat DUO pre-filters 645.6 ft² (60 m²)

2 x Combined filters (HEPA) 161.4 ft² (15 m²)

Model	Activated carbon volume
	ltr
Combined filter (gas)	53.7

Value above show activated carbon volume per filter. Total below:

2 x Combined filter (gas) 107.4 ltrs

PART NUMBERS - FILTERS

Twin pack DeepPleat DUO pre-filters	Twin pack combined filters
1UA1030336	1UA1030335

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.



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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD 2000 IQ Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 415 V 3 Ph No options	1U30811506-1537
Powder-coated, 415 V 3 Ph 24 V S/S, SOK, Exhaust spigot	1U645812006-1537
Powder-coated, 415 V 3 Ph 24 V S/S, SOK, O/R and Exhaust spigot	1U4665812006-1537

CUSTOMIZATIONS

Options

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

Cabinet construction

Powder-coated mild steel (RAL7016)

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

** Noise level: At typical operating speed.

AD 350 CU

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A filtered cooling unit for optimal laser performance.

The AD 350 CU is a filtered cooling unit designed for laser applications. It supplies filtered air to both the laser and the power supply module, helping to ensure optimal performance and reliability. It can also be used as a seal to increase the IP rating of the laser.

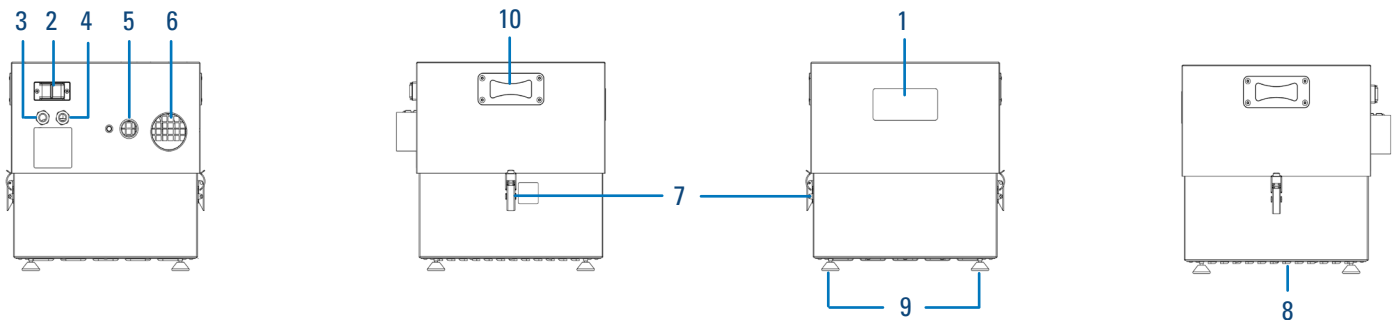


FEATURES

- Low-cost replacement filters
- Low noise levels

Approvals: UKCA and CE | UL*

TECHNICAL SPECIFICATION

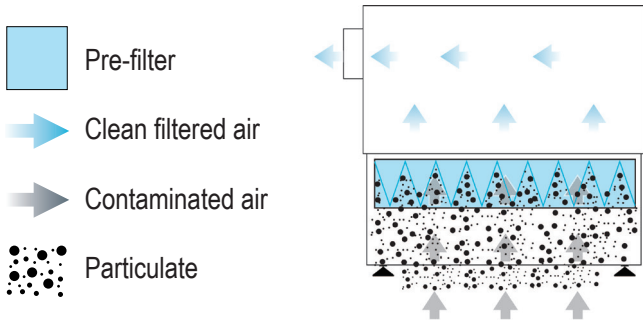


- | | |
|---|--|
| 1. Control panel | 6. Hose inlet connection - 2.9" (75mm) |
| 2. On/off switch | 7. Clips |
| 3. Power cable inlet | 8. Air inlet - unfiltered |
| 4. Signal/interface cable | 9. Feet |
| 5. Hose inlet connection - 1.3" (32 mm) | 10. Handles |

TECHNICAL DATA

Voltage	Airflow		Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm	m ³ /hr	in	mm	lbs			
115	206	350	15.8 x 15.0 x 16.5	401 x 380 x 420	41	19	< 68	50/60	3.5
230									2.0

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat pre-filter	64.5	6	95% @ 0.9 microns

PART NUMBERS - FILTERS

DeepPleat pre-filter
1UA1030056

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 230 V 24 V S/S and SOK	1U605106509-1209

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)

Cabinet construction

Brushed stainless steel

Power cables

Type B
 Type E
 Type G

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

** Noise level: At typical operating speed.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD 350 CU Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD 500 iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A system for medium-duty laser applications.

The AD 500 iQ fume extraction system is ideal for medium-duty applications that produce significant amounts of particulate. It offers a large filter capacity along with high airflow and pressure rates.

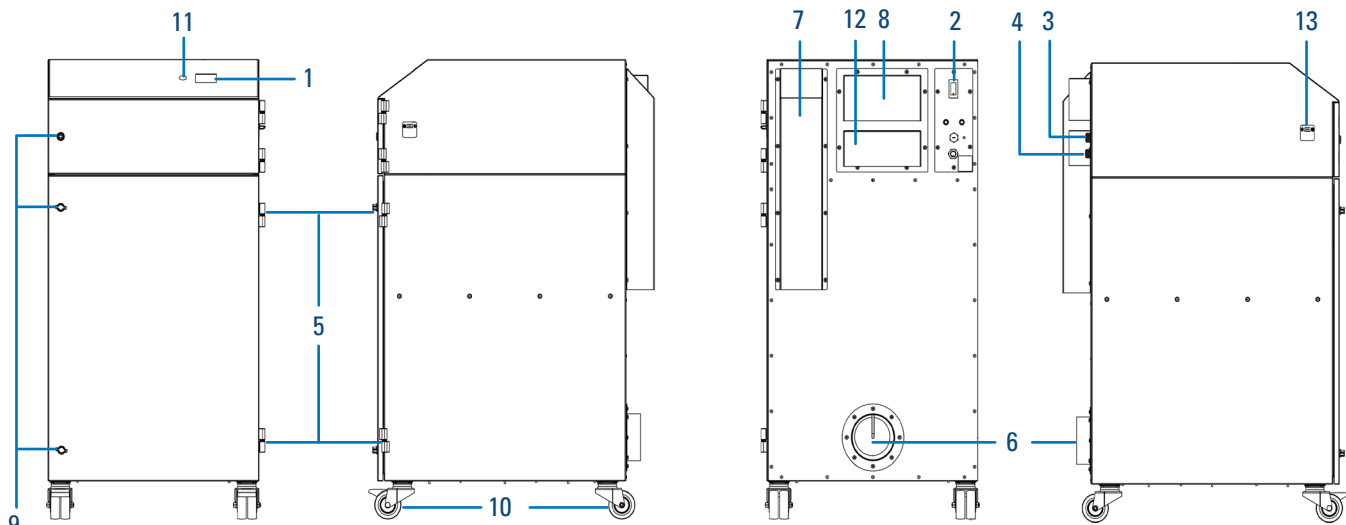
FEATURES

- Real-time airflow reading
- Independent filter condition monitoring
- High contrast display
- Remote diagnostics via USB
- Long-life, low-cost replacement filters

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

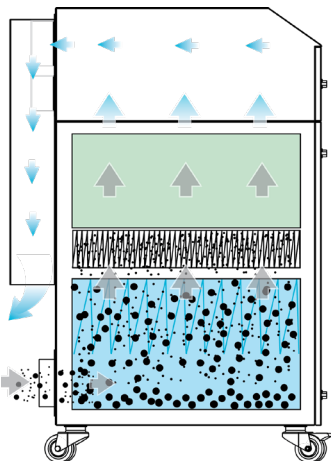
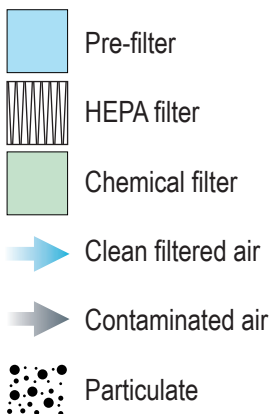


- | | | |
|---------------------------|---|---------------------------|
| 1. iQ display | 6. Hose inlet connection - 4.92" (125 mm) | 11. Standby button |
| 2. On/off switch | 7. Exhaust outlet | 12. Blower cooling outlet |
| 3. Power cable | 8. Blower cooling inlet | 13. USB port |
| 4. Signal/interface cable | 9. Door latches | |
| 5. Door hinges | 10. Castors | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115	324	550	100	47.4 x 24.4 x 31.1	1205 x 620 x 790	292	142	< 60	50/60	14.8
230										9.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30811511-1419
Powder-coated, 230 V 24 V S/S and SOK	1U630811511-1419
Powder-coated, 115 V No options	1U10810511-1419
Powder-coated, 115 V 24 V S/S, SOK and O/R	1U4660810511-1419
Stainless steel, 230 V No options	1U30106511-1419

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	F8 50% @ 0.3 microns
Combined filter (HEPA)	80.7	7.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	53.7	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030222	1UA1030297

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel
Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G
Type free ends

Compatible accessories:

Spark Arrestor 2
ILF 600

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

** Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (March 2026) Donaldson BOFA AD 500 IQ Datasheet. ©2011-2026 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflow, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Access

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A compact fume extraction system for light-duty laser applications.

The AD Access is a compact fume extraction system for light-duty laser applications. This affordable system helps to improve both the workplace environment and product quality.

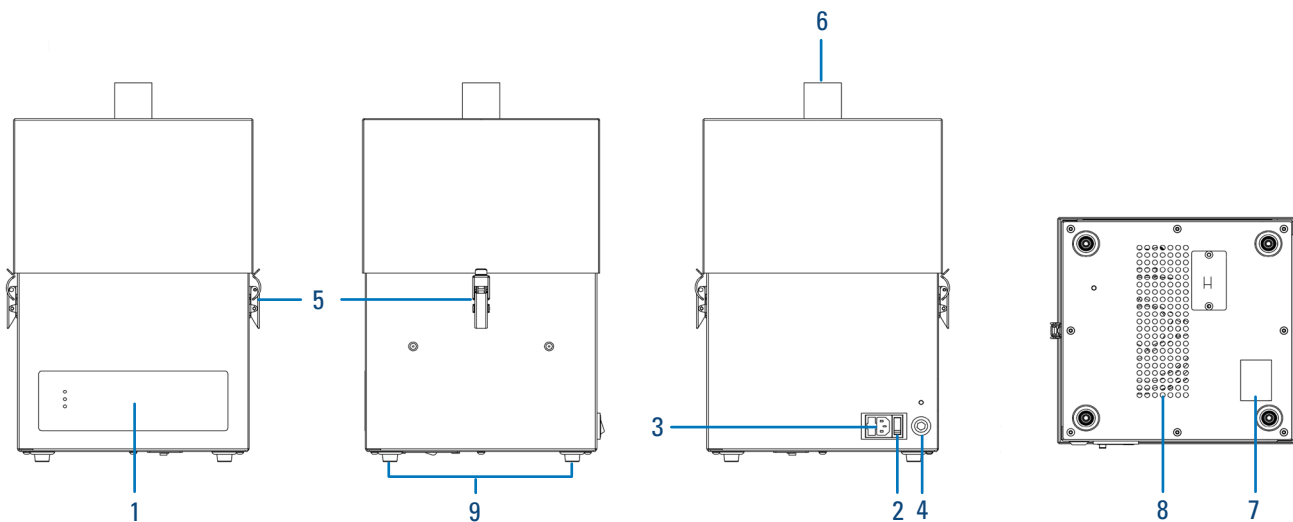
FEATURES

- Low noise levels
- Small footprint
- Long-life, low-cost replacement filters

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

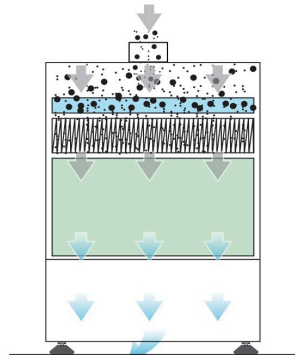
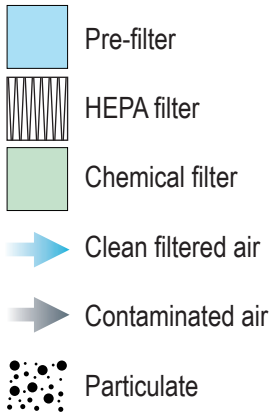


- | | | |
|----------------------|---|-------------------------|
| 1. Control panel | 4. Signal/interface cable | 7. Exhaust outlet |
| 2. On/off switch | 5. Filter compartment latches | 8. Blower cooling inlet |
| 3. Power cable inlet | 6. Hose inlet connection - 2.0" (50 mm) | 9. Feet |

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	cfm	m ³ /hr		in	mm	lbs	kg			
115	106	180	30	19.9 x 13.2 x 12.4	505 x 335 x 315	53	24	< 56	50/60	1.5
230								< 61		0.9

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30761512-1313
Powder-coated, 230 V 24 V S/S, SOK and O/R	1U4680761512-1313
Powder-coated, 115 V 24 V S/S and SOK	1U630760512-1313
Powder-coated, 115 V 24 V S/S, SOK, USA plug	1U4660760512-2
Powder-coated, 230 V No options, USA plug	1U4650761512

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat pre-filter	18.7	1.7	ePM1 70%
Combined filter (HEPA)	21.5	2.0	99.995% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	15.4	7

PART NUMBERS - FILTERS

DeepPleat pre-filter	Combined filter
1UA1030153	1UA1030154

CUSTOMIZATIONS

Options

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

Power cables

Type B
Type E
Type G

Cabinet construction

Powder-coated mild steel (RAL7016)

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

** Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD Access Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A ride-on fume extraction system for laser engraving.

The AD Base 1 Oracle is a ride-on fume extraction system for laser engraving. It delivers high performance in a convenient ride-on format, allowing the laser extractor to function as a workstation.

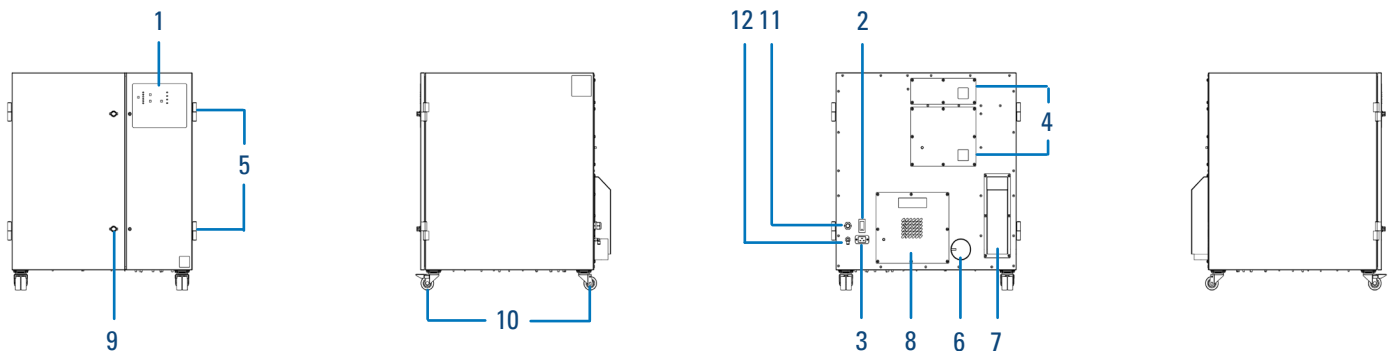
FEATURES

- Low noise levels
- Ride-on system
- Blower with high airflow and pressure

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

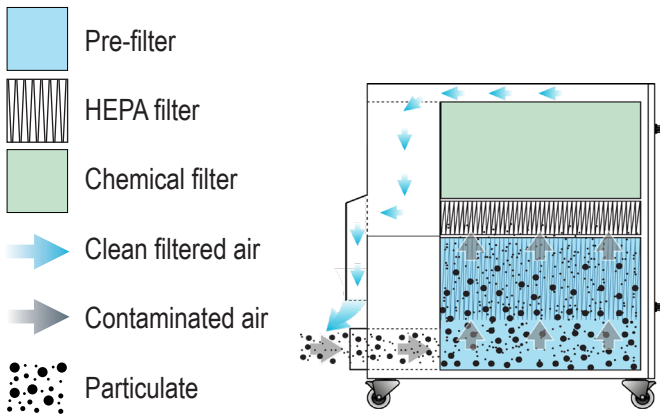


- | | |
|--|---------------------------------------|
| 1. Control panel | 7. Exhaust outlet |
| 2. On/off switch | 8. Blower cooling inlet |
| 3. Power cable inlet | 9. Door latches |
| 4. Blower access panel | 10. Castors |
| 5. Door hinges | 11. Signal/interface cable (optional) |
| 6. Hose inlet connection - 2.9" (75mm) | 12. Compressed air outlet (optional) |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	224	380	96	31.1 x 28.9 x 29.1	790 x 735 x 740	189	86	< 64	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	129.1	12	F8 50% @ 0.3 microns
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030156	1UA1030155

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30811013-1462
Powder-coated, 115-230 V COMP	1U30811013-1462-1

CUSTOMIZATIONS

Options

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

Power cables

Type B
 Type E
 Type G

Cabinet construction

Powder-coated mild steel (RAL7016)

* Noise level: At typical operating speed.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD Base 1 Oracle Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Base 2 Oracle

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A ride-on fume extraction system for laser engraving.

The AD Base 2 Oracle is a ride-on fume extraction system for laser engraving that offers high performance in a convenient ride-on format. Its larger platform, compared to the AD Base 1 Oracle, makes it ideal for larger laser beds, allowing the laser extractor to double as a workstation.

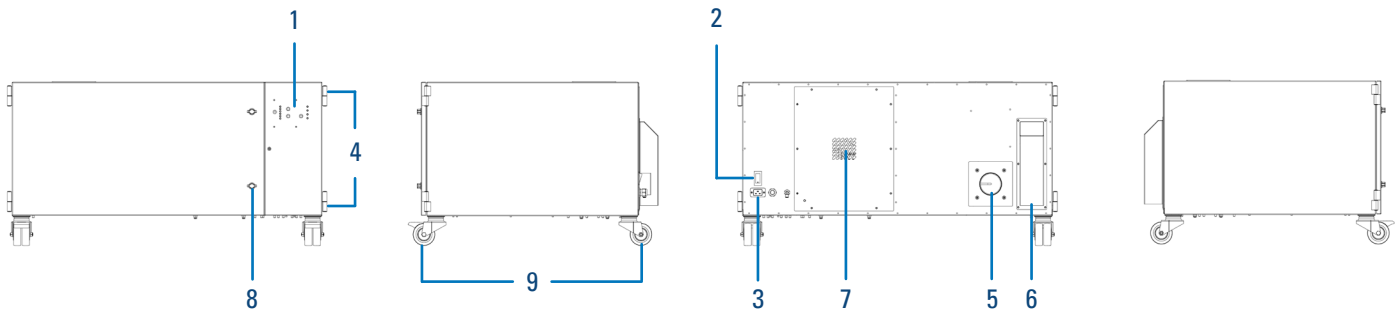
FEATURES

- Low noise level
- Ride-on system
- Large platform
- Blower with high airflow and pressure



Approvals: UKCA and CE

TECHNICAL SPECIFICATION

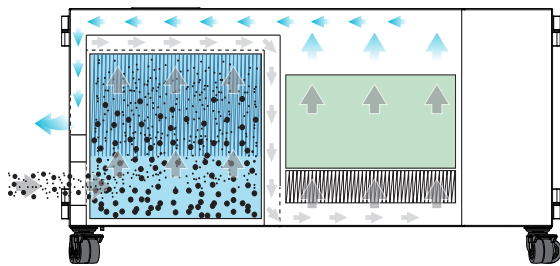
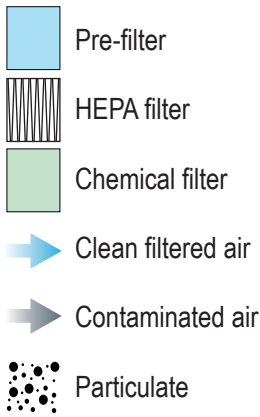


- | | |
|--|-------------------------|
| 1. Control panel | 6. Exhaust outlet |
| 2. On/off switch | 7. Blower cooling inlet |
| 3. Power cable | 8. Door latches |
| 4. Door hinges | 9. Castors |
| 5. Hose inlet connection - 2.9" (75mm) | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	223	380	96	21.7 x 41.7 x 31.9	550 x 1060 x 810	207	94	< 63	50/60	12.5
115									50	12

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	129.1	12	F8 50% @ 0.3 microns
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030156	1UA1030155

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD Base 2 Oracle Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30811014-1453
Powder-coated, 115 V No options	1U30810514-1453

CUSTOMIZATIONS

Options

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

Power cables

Type B
Type E
Type G

Cabinet construction

Powder-coated mild steel (RAL7016)

* Noise level: At typical operating speed.

AD Cyclone

Inline Cyclone Filter

Datasheet

Technical Specification and Product Information

An inline cyclone filter for heavy particulate.

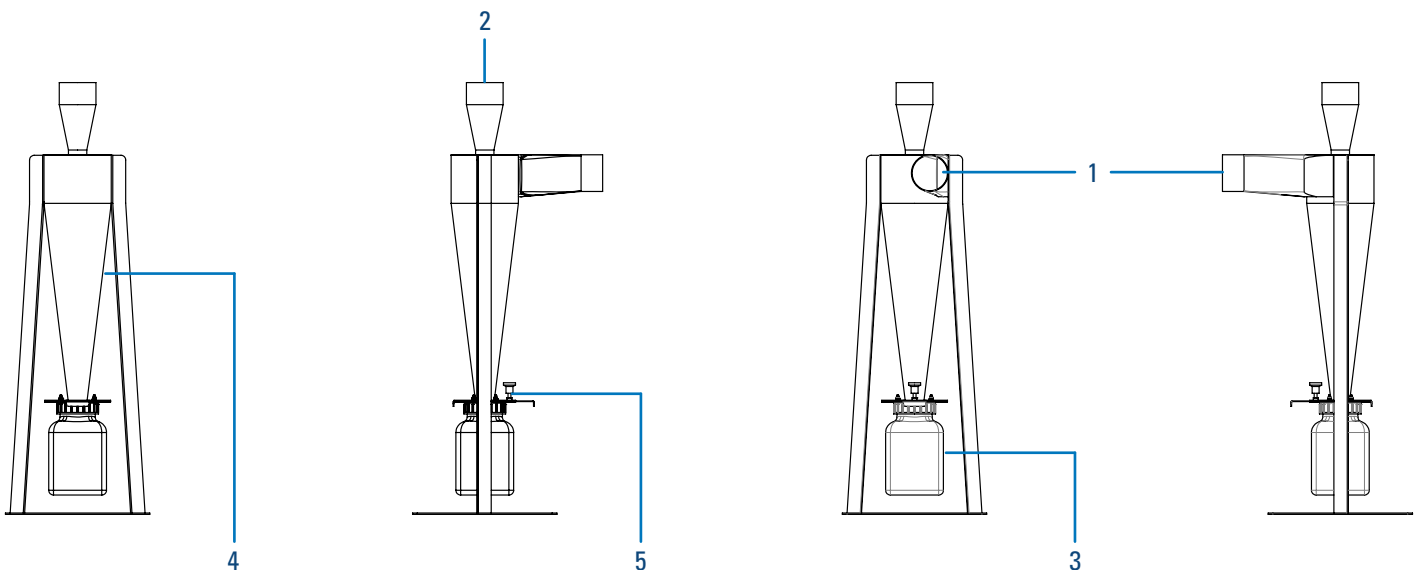
The AD Cyclone is an inline filter designed for laser marking processes that typically produce smaller particles. Engineered for use with the AD Oracle iQ, it is installed between the laser extraction point and the extractor. The extraction system's airflow powers the cyclone.

FEATURES

- Extended filter life
- On-line cleaning



TECHNICAL SPECIFICATION






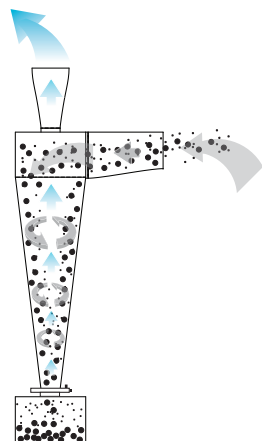
1. Hose inlet connection - 3.0" (75 mm)
2. Hose outlet to extraction system - 3.0" (75 mm)
3. Collection container
4. Cyclone chamber
5. Shut-off valve

TECHNICAL DATA

Dimensions (H x W x D)		Weight (+/- 5%)	
in	mm	lbs	kg
31.5 x 11.8 x 5.5	800 x 300 x 140	17	7

AIRFLOW

-  Clean filtered air
-  Contaminated air
-  Particulate



PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, with shut-off valve	1UA1080112

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.



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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA AD Cyclone Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Nano+

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A cost-effective system for light to medium-duty applications.

The AD Nano+ is a mid-sized fume extraction system for light to medium-duty laser applications. This cost-effective solution includes many features of our larger models, making it ideal for installations with limited floor space.

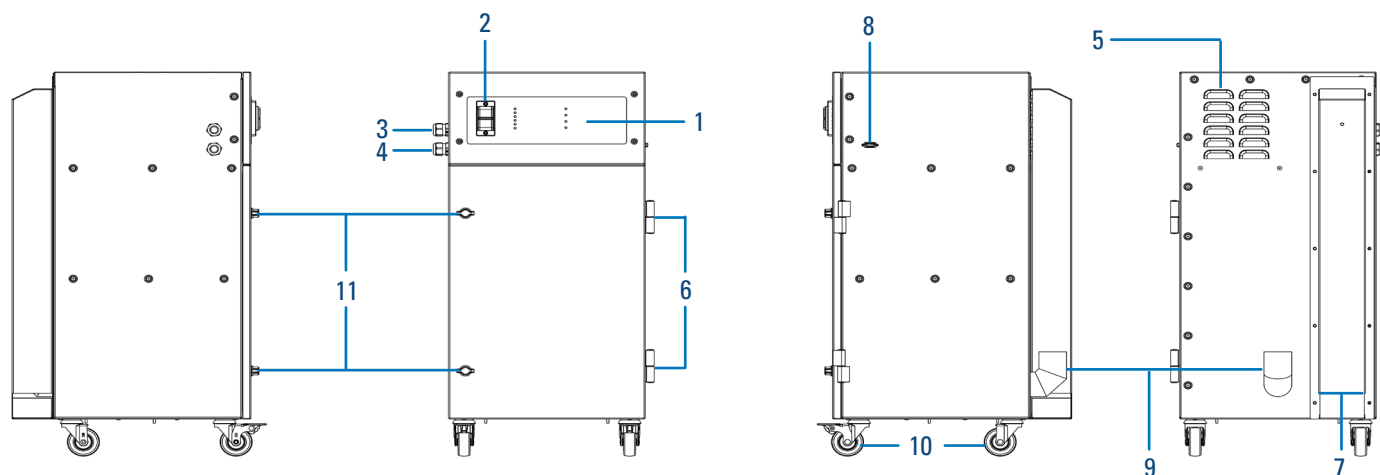
FEATURES

- Low noise levels
- Small footprint
- Long-life, low-cost replacement filters

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

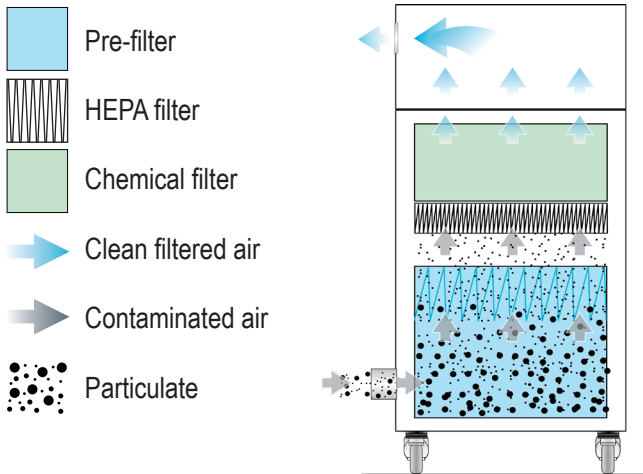


- | | | |
|---------------------------|--------------------------|---|
| 1. Control panel | 5. Blower cooling inlet | 9. Hose inlet connection - 2.0" (50 mm) |
| 2. On/off switch | 6. Door hinges | 10. Castors |
| 3. Power cable inlet | 7. Exhaust outlet | 11. Door latches |
| 4. Signal/interface cable | 8. Interfacing connector | |

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	cfm	m ³ /hr		in	mm	lbs	kg			
115-230	176	300	96	31.1 x 14.2 x 16.5	790 x 360 x 420	93	42	< 60	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	64.5	6	ePM1 70%
Combined filter (HEPA)	23.5	2.2	99.997% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	16.5	7.5

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030190	1UA1030191

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30811020-1214
Powder-coated, 115-230 V 24 V S/S and SOK	1U630811520-1214
Stainless steel, 115-230 V No options	1U30106020-1214
Stainless steel, 150-230 V 24 V S/S and SOK	1U630106020-1214-2

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel
 Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

Compatible accessories:

ILF 300
 ILF 600
 ILF 1000

* Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD Nano+ Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalumatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Oracle iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A mid-sized system for a range of laser applications.

The AD Oracle iQ integrates a variety of features, including our Intelligent Operating System (iQ), into one unique system. This versatile system is suitable for a wide range of laser applications.

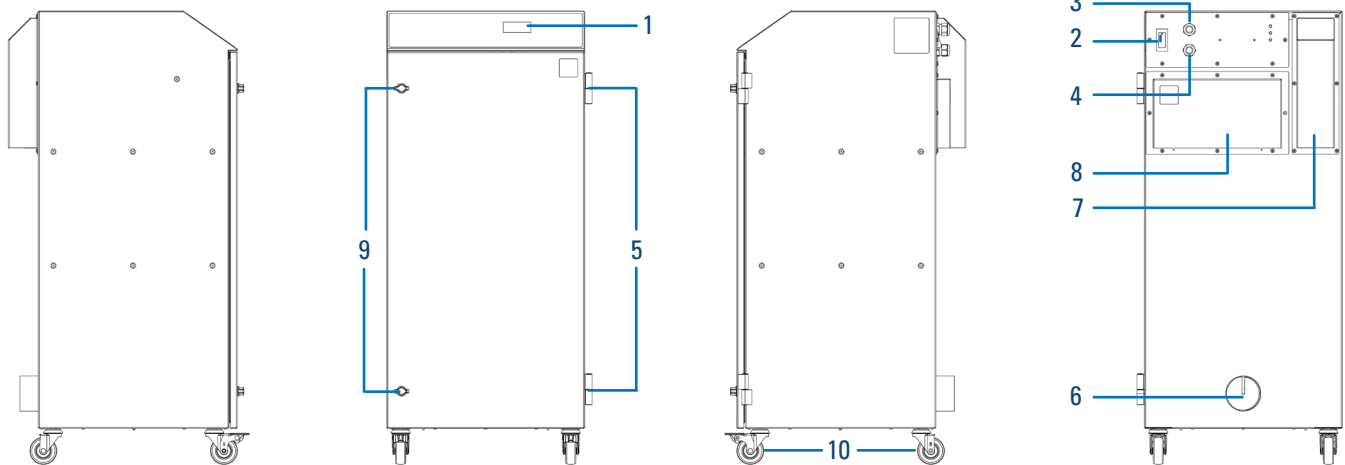
FEATURES

- High contrast display
- Real-time airflow reading
- Independent filter condition monitoring
- Blower with high airflow and pressure
- Remote diagnostics via USB

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

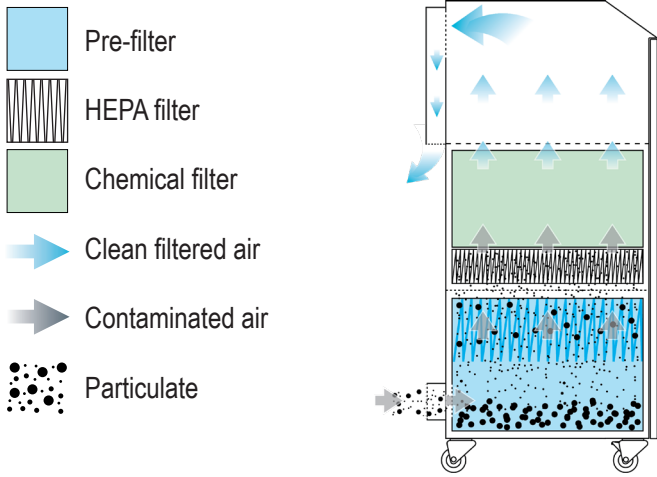


1. iQ display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 2.9" (75mm)
7. Exhaust outlet
8. Blower cooling inlet
9. Door latches
10. Castors

TECHNICAL DATA

Voltage	Unrestricted airflow** (+/- 10%)		Settable airflow range***		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level****	Frequency	Full load current
	V	cfm	m ³ /hr	cfm		m ³ /hr	mbar	in	mm			
115-230	241	410	59-224	100-380	95	38.4 x 17.5 x 19.9	975 x 455 x 505	143	65	< 70	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30811022-1275
Powder-coated, 115-230 V 24 V S/S, SOK	1U630811022-1275
Stainless steel, 115-230 V No options	1U30106022-1275
Stainless steel, 115-230 V 24 V S/S, SOK, O/R, and VOC	1U8730106022-1275
Stainless steel, 115-230 V O/R, USA plug	1U4060106022-1275
Stainless steel, 115-230 B 24 V S/S, SOK, O/R, SHK, USA plug	1U4660106022-1275

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	129.1	12	F8 50% @ 0.3 microns
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030156	1UA1030155

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)
 Override (O/R)
 VOC sensor
 NOx sensor
 Blanking plate/exhaust box/exhaust spigot

Cabinet construction

Brushed stainless steel
 Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G
 Type free ends

Compatible accessories:

Spark Arrestor 2
 AD Cyclone
 ILF 300
 ILF 600
 ILF 1000

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

** Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

*** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

**** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (October 2025) Donaldson BOFA AD Oracle IQ Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Oracle iQ W3

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A mid-sized system for a range of welding applications.

The AD Oracle iQ W3 is a W3 certified welding fume extraction system capable of filtering 99% of welding fumes. Designed for efficiency and performance, it combines multiple advanced features into one powerful system.

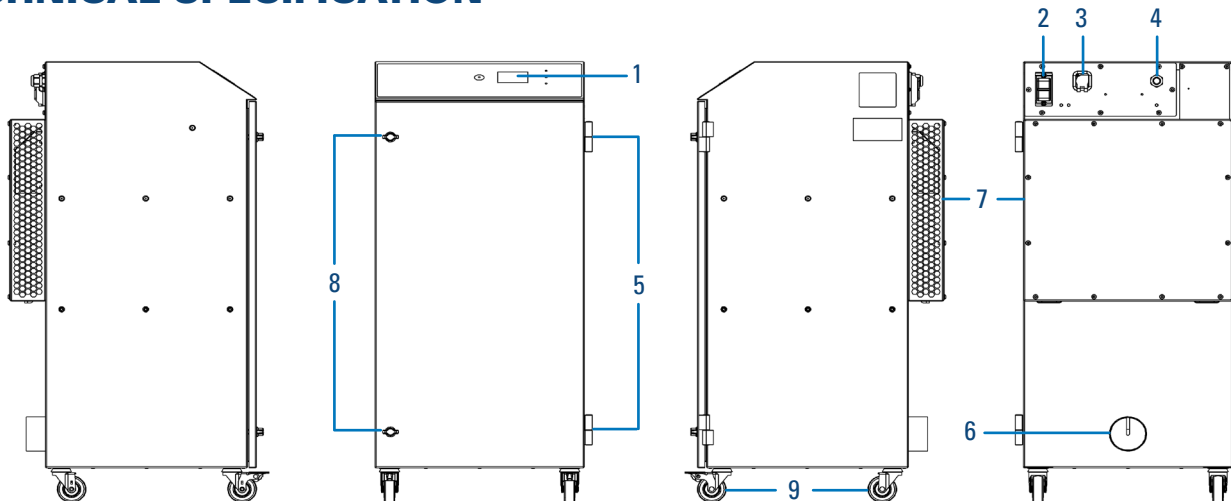
FEATURES

- W3 certified
- Intelligent Operating System (iQ)
- W3 compliant exhaust box
- Integrated spark arrestor for enhanced safety
- High contrast display
- Real-time airflow reading
- Independent filter condition monitoring
- Blower with high airflow and pressure
- Remote diagnostics via USB



Approvals: UKCA and CE | W3

TECHNICAL SPECIFICATION

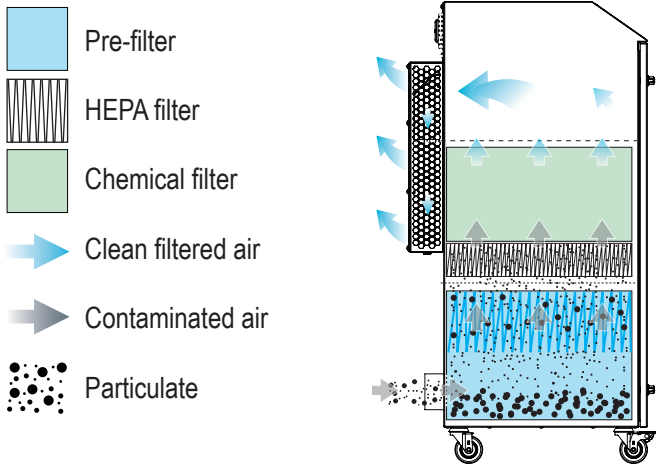


1. iQ display
2. On/off switch
3. Power cable inlet
4. Signal/interface cable inlet
5. Door hinges
6. Hose inlet connection - 2.9" (75mm)
7. Exhaust outlet
8. Door latches
9. Castors

TECHNICAL DATA

Voltage	Unrestricted airflow* (+/- 10%)		Settable airflow range**		Pressure (+/- 3%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level***	Frequency	Full load current
	V	cfm	m ³ /hr	cfm		m ³ /hr	mbar	in	mm			
115-230	241	410	59-218	100-370	96	38.4 x 17.7 x 20.7	975 x 450 x 525	152	69	< 80	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	129.1	12	ePM1 70%
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030160	1UA1030155

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (September 2025) Donaldson BOFA AD Oracle iQ W3 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 115-230 V 24 V S/S, SOK and O/R	1U9335875106022-2210

PART NUMBERS - POWER LEADS

Description	Part number
UK power lead	1UA1070572
EU power lead	1UA1070573

The extraction system is not supplied with a power lead. If you require one, please use the part numbers above.

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel

Power cables

Type E
 Type G

Compatible accessories:

Spark Arrestor 2
 AD Cyclone
 ILF 300
 ILF 600
 ILF 1000

*Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

**Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

***Noise level: At typical operating speed.

AD Oracle Pro OS AD Oracle Pro OS Connect

Fume Extraction System - Advantage Range

Datasheet

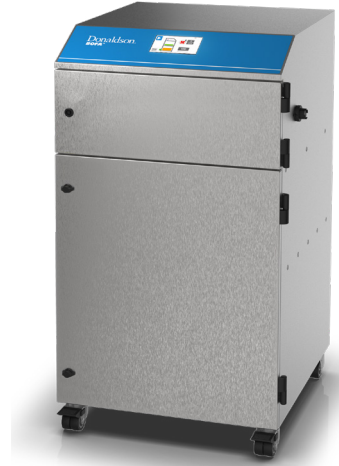
Technical Specification and Product Information

A mid-sized system for a range of laser applications.

The AD Oracle Pro OS Connect extraction system combines a range of advanced features into a single, powerful system. Featuring our new, cutting-edge Pro OS software platform, this intuitive system enhances productivity like never before.

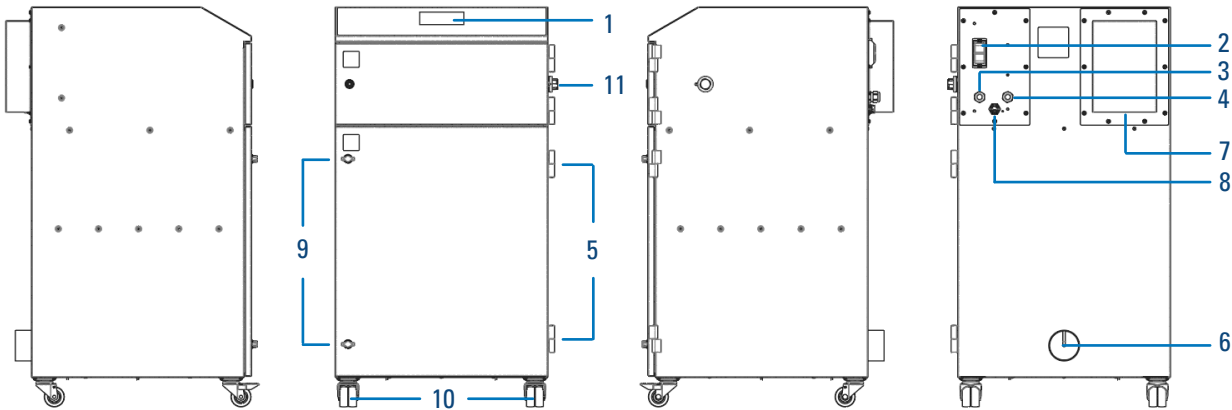
FEATURES

- Two-way data stream
- Color touch screen
- Real-time system status
- Multi-language software
- Customizable branding
- Filter life monitor
- Pressure sensors
- Alarm configurations
- USB lock screen



Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

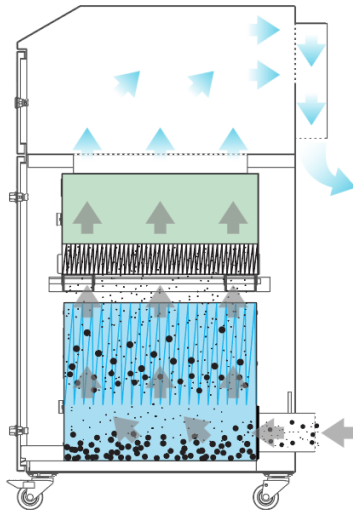
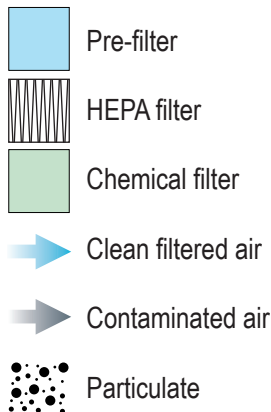


1. Touchscreen display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 2.95" (75 mm)
7. Exhaust outlet
8. RJ45 ethernet port**
9. Door latches
10. Castors
11. USB port

TECHNICAL DATA

Voltage	Unrestricted airflow*** (+/- 10%)		Settable airflow range****		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level***** dB(A)	Frequency Hz	Full load current amps
	V	cfm	m ³ /hr	cfm		m ³ /hr	mbar	in	mm			
100-230	241	410	58-217	100-370	96	39.2 x 21.5 x 24.6	995 x 547 x 626	157	71	< 80	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 100-230 V 24 V S/S, SOK, VOC, UK Plug	1U8700106204
Stainless steel, 100-230 V 24 V S/S, SOK, VOC, EU Plug	1U8705106204
Stainless steel, 100-230 V 24 V S/S, SOK, VOC, USA Plug	1U8710106204
Powder-coated, 100-230 V 24 V S/S, SOK, VOC, UK Plug	1U8700811204
Powder-coated, 100-230 V 24 V S/S, SOK, VOC, EU Plug	1U8705811204
Powder-coated, 100-230 V 24 V S/S, SOK, VOC, USA Plug	1U8710811204

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	129.1	12	ePM1 70%
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030156	1UA1030155

Cabinet construction

Brushed stainless steel
Powder-coated mild steel (RAL7016)

Compatible accessories:

Spark Arrestor 2
AD Cyclone
ILF 300
ILF 600
ILF 1000

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

**Connectivity: The Pro OS models feature connectivity via an RJ45 port which is located on the rear of the extraction system. This port can be used as 2-way communication, enabling the control of the extraction system as well as live data streaming from the system. For information on how to configure your device to communicate with the Pro OS, please use document: SG-PRO OS CONNECT PROTOCOL CONFIGURATION GUIDE-BOFA-US

*** Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

**** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

***** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (October 2025) Donaldson BOFA AD Oracle Pro OS Connect Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD Oracle SA iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A mid-sized system for lighter-use laser applications.

The AD Oracle SA iQ combines an impressive array of features, including our Intelligent Operating System (iQ), into a single mid-sized system. It features a smaller pre-filter than the AD Oracle iQ but retains all other features, making it perfect for lighter-use applications.

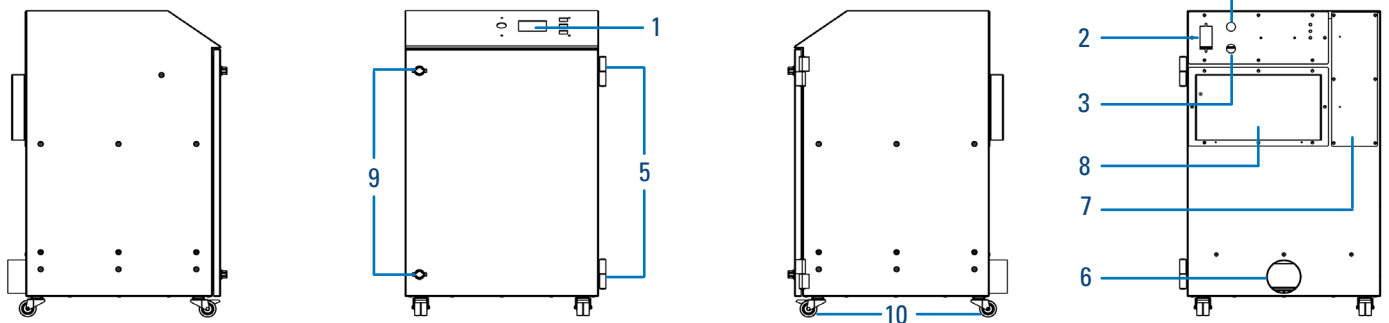
FEATURES

- High contrast display
- Real-time airflow reading
- Independent filter condition monitoring
- Remote diagnostics via USB
- Low-cost replacement filters
- Low noise levels
- Lockable castors



Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

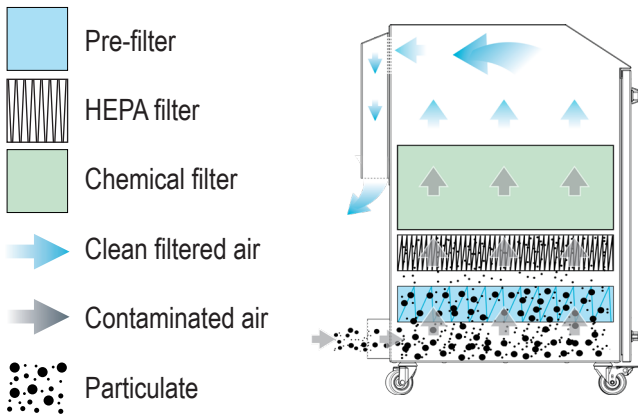


- 1. iQ display
- 2. On/off switch
- 3. Power cable
- 4. Signal/interface cable
- 5. Door hinges
- 6. Hose inlet connection - 2.9" (75mm)
- 7. Exhaust outlet
- 8. Blower cooling inlet
- 9. Door latches
- 10. Castors

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	223	380	96	29.1 x 17.7 x 20.3	740 x 450 x 515	128	58	< 60	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V 24 V S/S, SOK and O/R	1U630811024-1275
Stainless steel, 115-230 V No options	1U30106024-1275
Stainless steel, 115-230 V 24 V S/S, SOK, O/R, and VOC	1U12760106024-1275
Stainless steel, 115-230 V 24 V S/S, SOK, O/R and USA plug	1U4660106024-1275
Stainless steel, 115-230 V VOC	1U8130106024-1275
Stainless steel, 115-230 V 24 V S/S, SOK, O/R, VOC, USA plug	1U12760106024-1275

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter	33.9	3.2	95% @ 0.3 microns
Combined filter (HEPA)	32.3	3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	18.8	

PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030344	1UA1030155

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel
 Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

Compatible accessories:

Spark Arrestor 2
 AD Cyclone
 ILF 300
 ILF 600
 ILF 1000

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

** Noise level: At typical operating speed.

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.



FS 643451
ISO 9001

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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (October 2025) Donaldson BOFA AD Oracle SA IQ Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalumatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Syntex XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

AD PVC iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A system designed to filter fumes generated during the lasering of PVC materials.

The AD PVC iQ extraction system is designed to filter fumes generated during the lasering of PVC materials. In addition to many of the standard features included in the AD Oracle iQ module, this system also comes equipped with HCl and VOC sensors that continuously monitor exhaust air, plus all internally exposed surfaces have been coated to resist corrosive fumes.

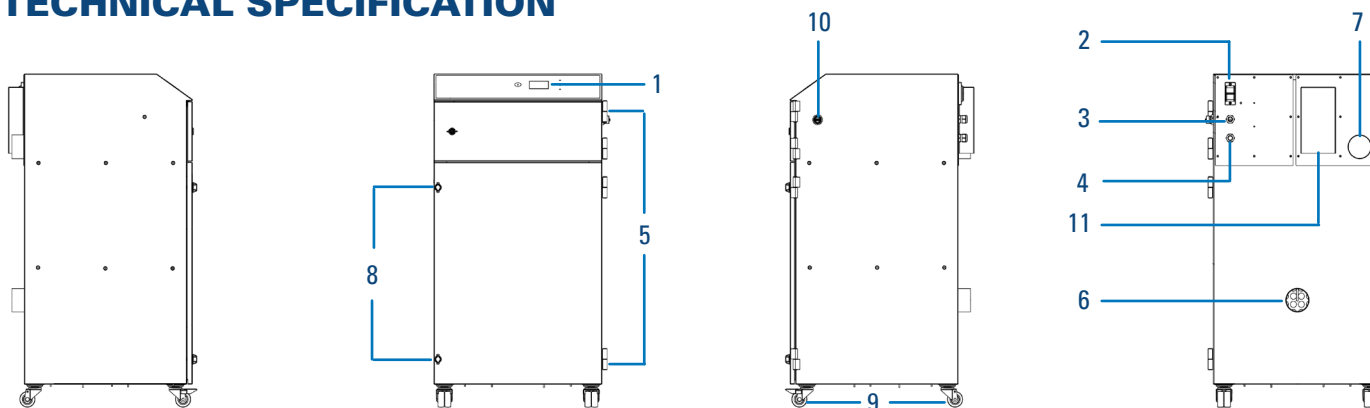
FEATURES

- Blower with high airflow and pressure
- Acid resistant coatings
- HCl and VOC gas sensors
- Compact design
- Low noise levels
- High contrast display
- Real-time airflow reading
- Independent filter condition monitoring
- Remote diagnostics via USB



Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

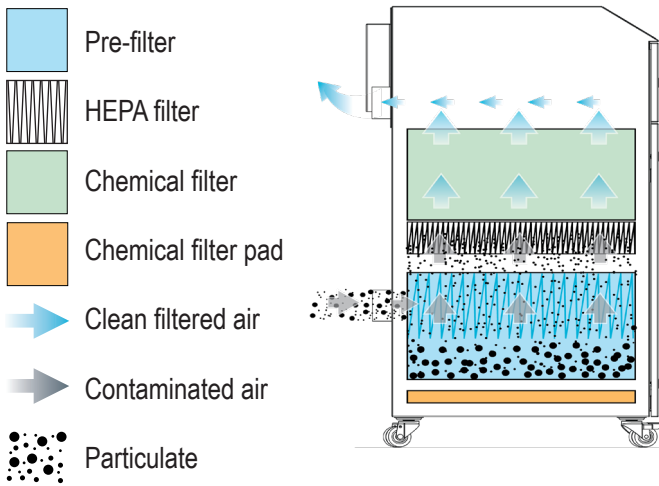


- | | | |
|---------------------------|--|---------------------------|
| 1. iQ display | 5. Door hinges | 9. Castors |
| 2. On/off switch | 6. Hose inlet connection - 2.9" (75mm) | 10. USB port |
| 3. Power cable | 7. Exhaust outlet | 11. Compressed air outlet |
| 4. Signal/interface cable | 8. Door latches | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	206	350	96	42.9 x 22.4 x 23.6	1090 x 570 x 600	209	95	< 60	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter bag	21.5	2	95% @ 0.9 microns
Combined filter (HEPA)	32.3	3	99.997% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	46.3	21

PART NUMBERS - FILTERS

Pre-filter bag	Combined filter	Chemical pad filter
1UA1030081	1UA1030082	1UA1030083

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 115-230 V No options	1U671854530106026-1480
Stainless steel, 115-230 V 24 V S/S and SOK	1U1343997180106030-1480
Stainless steel, 115-230 V 24 V S/S, SOK, O/R, USA plug	1U1343705580106030

CUSTOMIZATIONS

Options

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

Cabinet construction

Brushed stainless steel

Power cables

Type B
 Type E
 Type G
 Type free ends

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

** Noise level: At typical operating speed.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (December 2024) Donaldson BOFA AD PVC IQ Datasheet. ©2011-2024 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AM 400

Last Updated on 28.01.2022



Designed and built specifically for inert particulate filtration, the AM 400 is the premium extraction solution for the additive manufacturing industry.

It offers significant benefits to users in direct metal laser sintering and selective laser melting polymer applications.

Technology



Intelligent
Operating System
(iQ)



DeepPleat DUO
pre-filter



Automatic flow
control (AFC)
technology



Reverse flow gas
(RFG) technology



Patented
technology



Low leakage



Electronics lift
assist



Removable filter
housing



ProTECT service
plan



SureCHECK
quality standard

Key features of the AM 400

Reverse flow filter technology
Standard

Realtime gasflow reading
Standard

Automatic flow control
Standard

Remote diagnostics via USB
Standard

Removable filter housing
Standard

Electronic lift assist
Standard

Tri-clamp inlet & outlet connections
Standard

F8 particulate filter
Standard

Filter status warnings
Standard

High contrast display
Standard

Interfacing
Standard

Isolation valve
Standard

Low leakage
Standard

Upgrade to HEPA filter
Optional

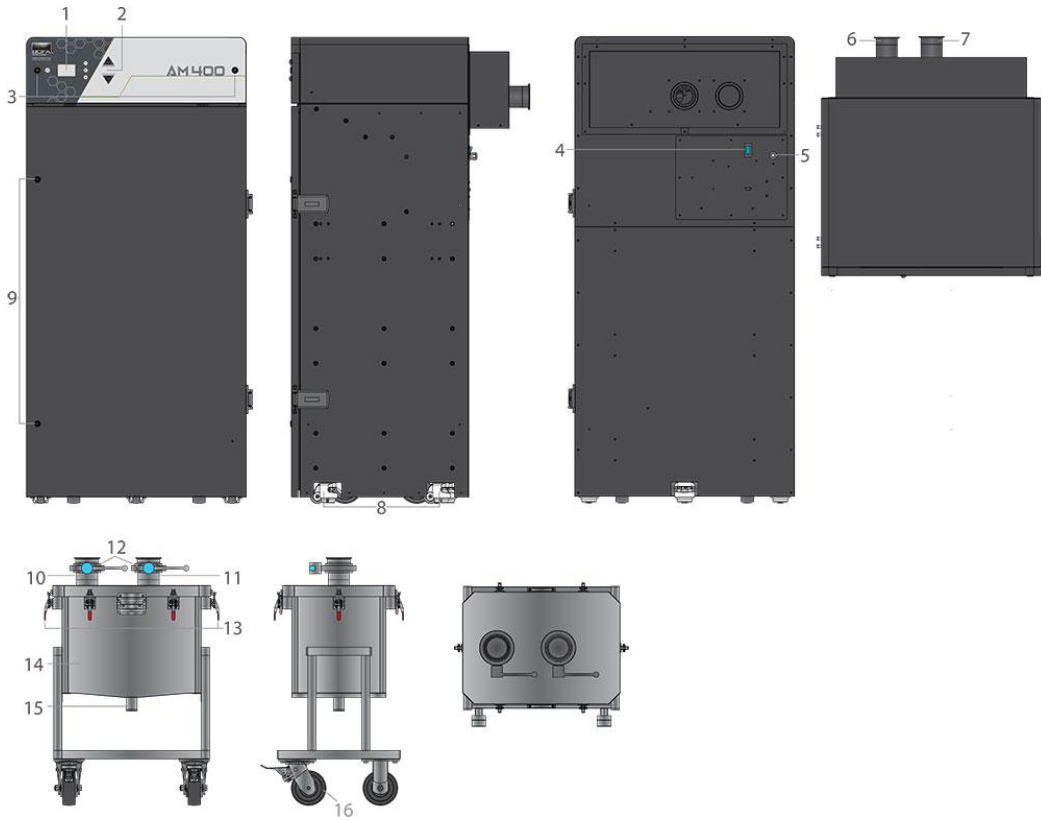
Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/am-400/



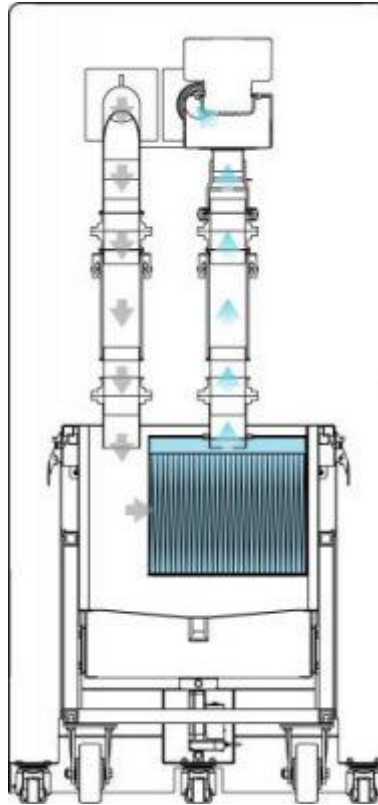
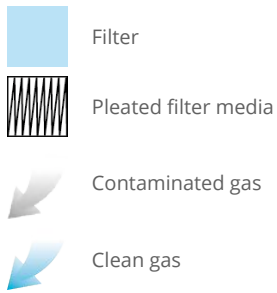
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

Technical specification

- | | | | |
|----------------------------|--|--|---|
| 1. iQ screen | 2. Up and down buttons for the filter housing electronic lift assist | 3. Front door hinges | 4. Power switch |
| 5. Power cable inlet | 6. Inlet connection 'dirty gas' out of process chamber | 7. Outlet connection 'cleaned gas' back in to process chamber | 8. Lockable and height adjustable castors |
| 9. Front door locks | 10. Filter compartment inlet 'dirty gas' out of process chamber | 11. Filter compartment outlet 'cleaned gas' back in to process chamber | 12. Shutoff isolation valves |
| 13. Filter housing latches | 14. Filter housing | 15. Filter housing sump plug | 16. Lockable castors |



Gasflow through filters



Technical data

Electrical supply	230V 1~ 50/60Hz	110v 1~ 50/60Hz
Maximum pressure drop	9mBar	9mBar
Minimum flow rate	150m ³ /hr	88cfm
Maximum flow rate	330m ³ /hr	188cfm
Maximum vacuum	224mBar	250mBar
Noise level (at typical operating speed)	75dBa	75dBa
Leakage rate @-10mBar	<33ml/min	<33ml/min
Max current	13.5 amps	21 amps
Outer dimensions (WxDxH)	790 x 857 x 1670mm 31 x 33.74 x 65.74"	790 x 857 x 1670mm 31 x 33.74 x 65.74"
Power Consumption	1.8kW	1.8kW
Weight	192kg	423lb
Approvals	UKCA and CE	UKCA and CE

Housing

	EU	US
Unit housing spare no	A1060406	A1060406
Maximum pressure drop	7mBar	7mBar
Maximum allowable pressure	±250mBar	±250mBar
Leakage rate @-10mBar	<25ml/min	<25ml/min
Outer dimensions (WxDxH)	625 x 463 x 888mm 24.6 x 18.2 x 35"	625 x 463 x 888mm 24.6 x 18.2 x 35"

Housing

Gasket spare no	A1070489	A1070489
Dropout chamber size	60litres	60litres
Weight	40kg	88lb

Filter F8

Filter efficiency	95% @ 0.9µm
Surface area	13.2m ²
Outer dimensions (WxDxH)	331 x 329 x 310mm 13 x 13 x 12.2"
Outlet size	DIA 75mm
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter housing material	Zintec steel
Part number	A1030460

Filter H14

Filter efficiency	99.997% @ 0.3µm
Surface area	13.2m ²
Outer dimensions (WxDxH)	331 x 329 x 310mm 13 x 13 x 12.2"
Outlet size	DIA 75mm
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter housing material	Zintec steel
Part number	A1030462

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.*

Think before you print! Please consider the environment before printing this document.



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

DentalPRO 400

Last Updated on 02.02.2022



Multi-user dust extraction system for hand finishing dental applications.

BOFA's DentalPRO 400 under bench dust extraction system helps to filter small particulates generated during the hand finishing of dental implants.

The DentalPRO 400 is ideally suited to manual benchtop applications, where technicians need to be able to work without restriction, but in the knowledge that dust particles are being filtered to maintain a clean working environment.

The high vacuum pump used in the DentalPRO 400 is brushless and designed for continuous running before servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter is very high efficiency.

This multi-user system combines maintaining a clean working environment, in a small footprint, easy to operate unit with low running costs.

Technology



HEPA filter



ProTECT service plan



SureCHECK quality standard

Key features of the DentalPRO 400

Filter full indicator
Standard

High efficiency filters (99.997% @ 0.3 microns)
Standard

Simple operation
Standard

Small footprint
Standard

24V remote stop / start interface + override
Optional

Digital speed control
Standard

Large capacity filter bag
Standard

Low running costs
Standard

Foot switch
Optional

Filter signal
Optional

Technical specification

- 1. Hose inlet - 2x 75mm
- 5. Power inlet

- 2. Unit lid
- 6. Exhaust outlet

- 3. Latch
- 7. Filter full indicator

- 4. Rubber feet
- 8. Speed control

Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/dentalpro-400/



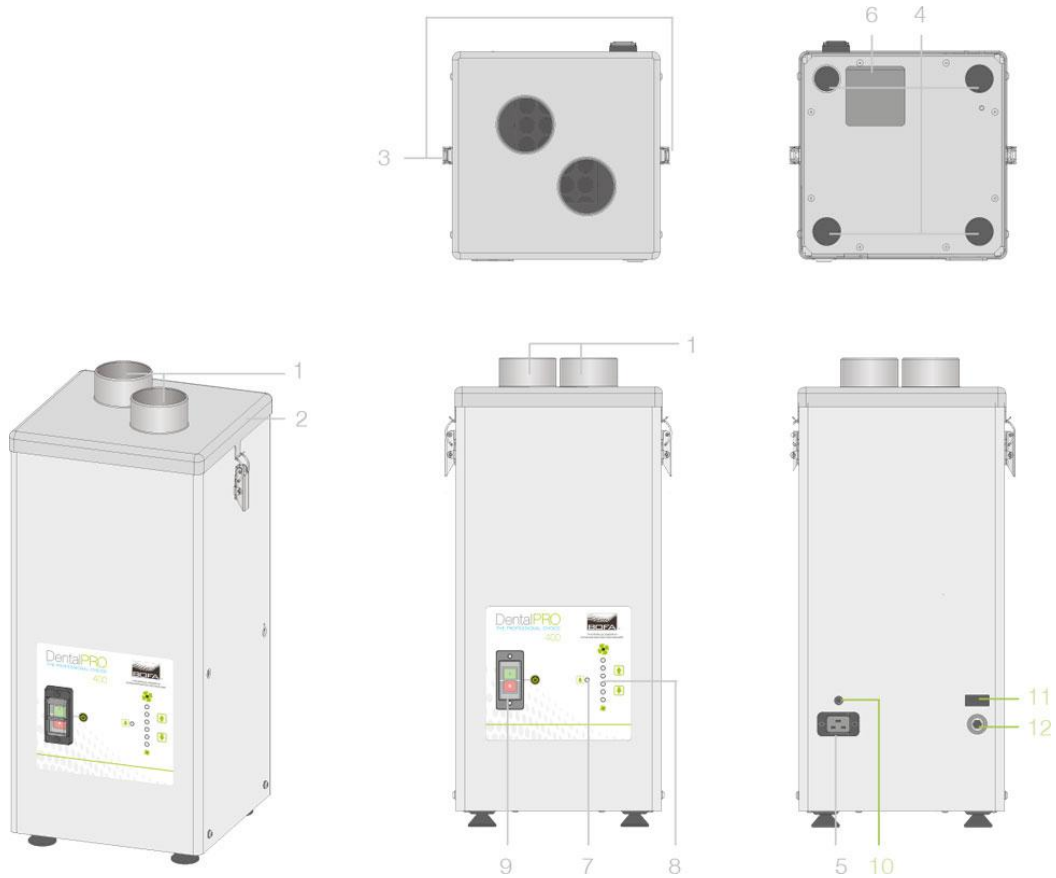
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

9. Power switch

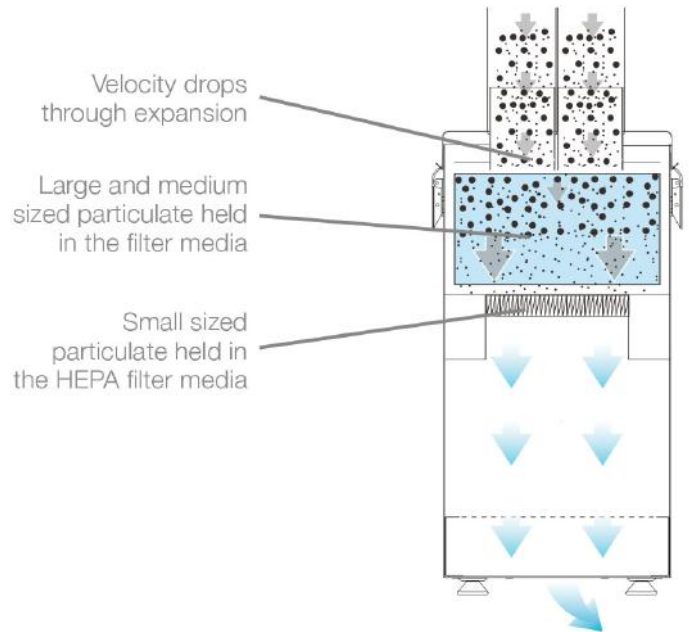
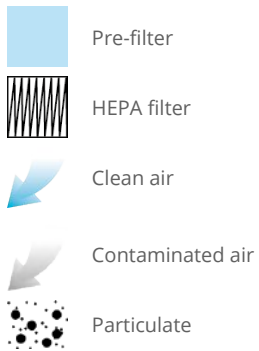
10. Optional foot switch socket

11. Optional override switch

12. Optional interfacing connection



Airflow through filters



Technical data

	EU	US
Dimensions (HxWxD)	595 x 290 x 275mm	23.43 x 11.42 x 10.83"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Max airflow / pressure	380m ³ /hr / 96mbar	224cfm / 96mbar

Technical data

Electrical data	90 - 257v Single-phase 1~ 50/60Hz Full load current: 10 amps / 1.1kw.	90 - 257v Single-phase 1~ 50/60Hz Full load current: 10 amps / 1.1kw.
Noise level	< 66dBA (at typical operating speed)	< 66dBA (at typical operating speed)
Weight	14kgs	30.9lbs
Approvals	UKCA and CE	UKCA and CE

Pre-filter bag specifications

Filter holding capacity	6.4 ltrs
Filter media	Polyester
Filter media construction	Bag filter
Filter efficiency	95% @ 0.3 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter efficiency	99.997% @ 0.3 microns

Unit part numbers

Model	Part number
DentalPRO 400, PC, 100V-230V 2 x 75mm port Lid	30601033-1613
DentalPRO 400, PC, 100V-230V, 24V SS, FCS, O/R	5580601033-1613

Replacement filters

Description	Part number
Bag filter	A1030378
HEPA filter	A1030379

Bench top hose kit - needed if ordering arm accessories

Description	Part number
Hose kit with fliptop table mount to connect to DentalPRO desk accessory	A1020309

Cabinet hose kit - needed if ordering cabinet accessories

Description	Part number
Hose kit to connect to DentalPRO Xtract cabinet	A1020068

Arm accessories

Description	Part number
-------------	-------------

Arm accessories

DentalPRO LED light arm - 50mm stay put arm	A1020314
DentalPRO down draught tray - 50mm flexi hose	A1020316
DentalPRO plenum funnel arm - 50mm stay put arm	A1020315

Cabinet accessories

Description	Part number
DentalPRO Xtract 100	D0945A0000
DentalPRO Xtract 200	D0946A0000
DentalPRO Xtract 300	D0947A0000

Datasheet correct at time of publishing. For specific applications, please contact us for details.

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.*

Think before you print! Please consider the environment before printing this document.





A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

DentalPRO Universal

Last Updated on 02.02.2022



Stand-alone dust extraction system for CAD/CAM dental milling machines.

BOFA's DentalPRO Universal stand-alone dust extraction system filters small particulates generated during the CAD/ CAM milling of dental implants. The unit has a high-efficiency two-stage filtration process which helps the workplace maintain a clean working environment.

The unit's high vacuum pump is brushless and designed for continuous running for long periods of time before requiring servicing. The bag filter has a large 18-litre capacity and the HEPA filter is very high efficiency.

Technology



HEPA filter



ProTECT service plan



SureCHECK quality standard

Key features of the DentalPRO Universal

Digital speed control - for variable airflow rates
Standard

High vacuum pump for effective capture from source
Standard

Filters with long life and low replacement cost
Standard

HEPA filtration
Standard

Quiet in operation
Standard

24V remote stop / start interface + override
Optional

Auto sensing voltage (90-257v) for global use
Standard

Brushless motor (for longer periods of time before servicing)
Standard

High efficiency 5 layer large capacity easy change filter
Standard

Filter full indicator
Standard

Small footprint
Standard

Filter signal
Optional

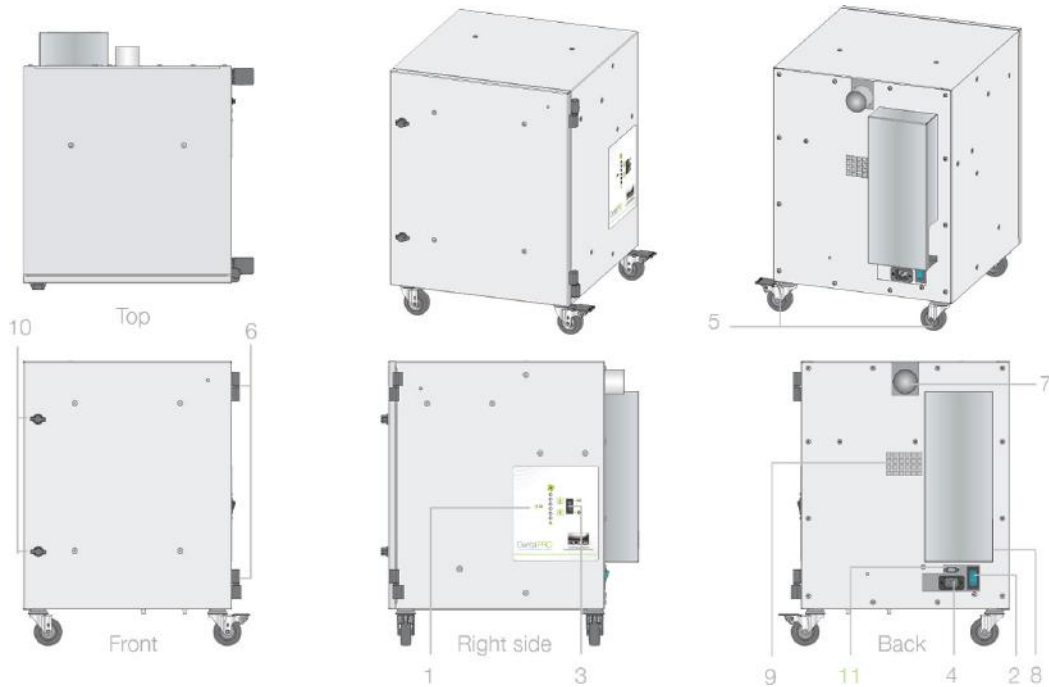
Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/dentalpro-universal/



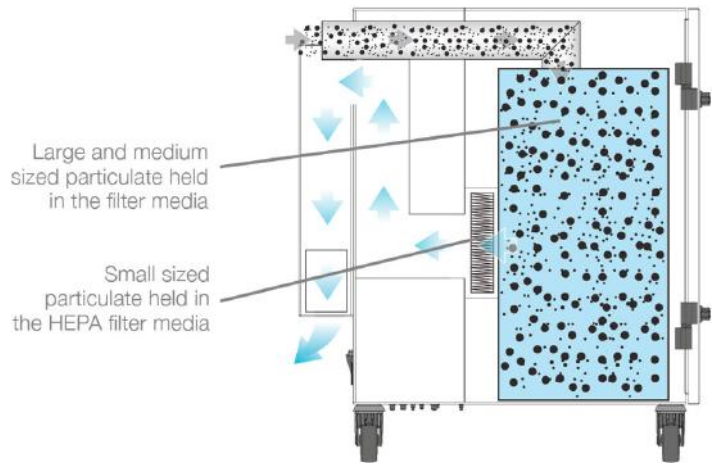
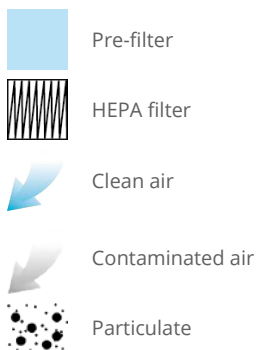
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

Technical specification

- | | | | |
|------------------------------------|--------------------|-----------------------------------|-------------------|
| 1. Unit / filter condition display | 2. On / off switch | 3. Override switch (optional) | 4. Power inlet |
| 5. Castors | 6. Door hinge | 7. Hose inlet connection - 50mm | 8. Exhaust outlet |
| 9. Motor cooling inlet | 10. Door latch | 11. Optional interface connection | |



Airflow through filter



Technical data

	EU	US
Dimensions (HxWxD)	590 x 460 x 535 mm	23.23 x 18.11 x 21.06"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Max airflow / pressure	285m ³ /hr / 96mbar	167cfm / 96mbar
Electrical data	115 - 230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw	115 - 230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 66dBA (at typical operating speed)	< 66dBA (at typical operating speed)
Weight	33kgs	72.8lbs

Technical data

Approvals

UKCA and CE

UKCA and CE

Pre-filter bag specifications

Filter media	Borosilicate
Filter media construction	Bag filter
Filter capacity	18 Litres
Filter efficiency	99% @ 0.3 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter efficiency	99.997% @ 0.3 microns

Unit part numbers

Model	Voltage	Part no.	Stop / start	Filter change signal
DentalPRO Universal	100-230v	DL0844A0000	A2001	A2002

Replacement filter part numbers

Model	Pre-filter	HEPA filter
DentalPRO Universal	A1030382	A1030383

Hose kits

Description	Part number
4m x 50mm flex with cuffs	A1020115

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.*

Think before you print! Please consider the environment before printing this document.





A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

DustPRO 100

MECHANICAL ENGINEERING

Last Updated on 02.02.2022



Industrial particle and dust extractor.

This unit has been developed to help with the filtration of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

Its brushless motor is designed for continuous running for long periods of time before servicing and generates high vacuums while being quiet in operation.

Technology



HEPA filter



ProTECT service
plan



SureCHECK
quality standard

Key features of the DustPRO 100

Filters with long life and low replacement cost
Standard

HEPA filter
Standard

Audible alarm for filter condition
Standard

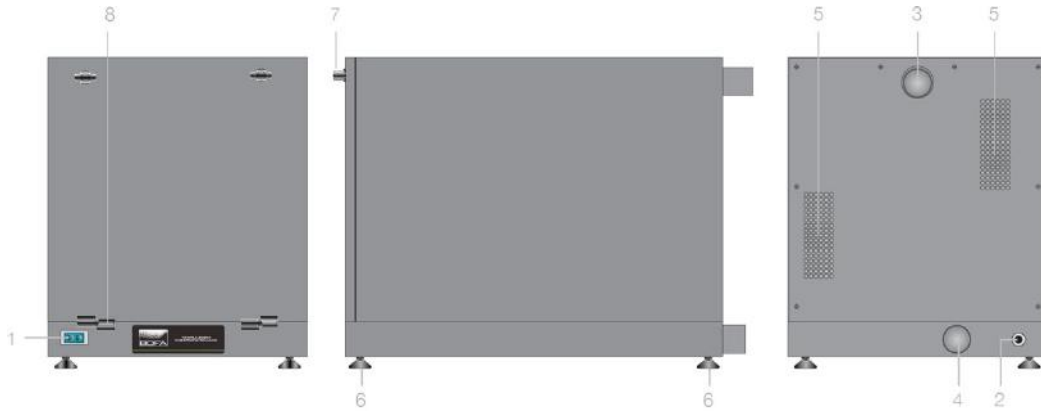
Technical specification

- 1. On / off switch
- 2. Power cable
- 3. Hose inlet connection - 50mm
- 4. Exhaust outlet
- 5. Motor cooling inlet
- 6. Unit feet
- 7. Door latches
- 8. Door hinges

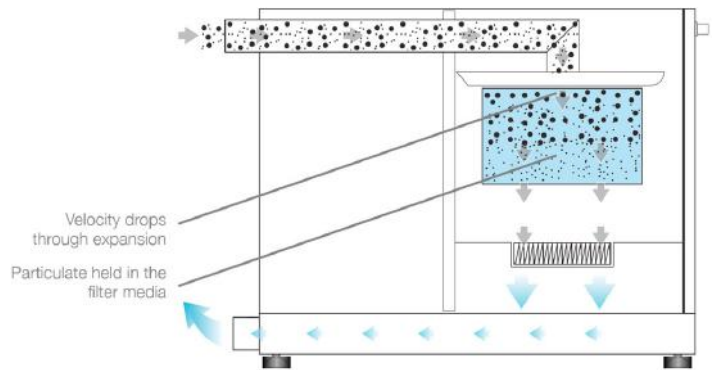
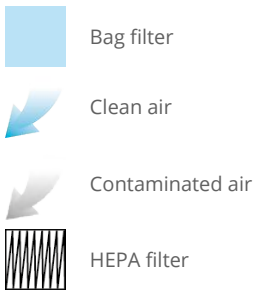
Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/dustpro-100/



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



Airflow through filters



Technical data

	EU
Dimensions (HxWxD)	570 x 460 x 730mm / 22.44 x 18.11 x 28.74"
Cabinet construction	Powder coated mild steel
Airflow / pressure	180m ³ /hr / 110mbar / 105cfm
Electrical data	230V Single-phase 1~ 50/60Hz
	Full load current: 7 amps / 0.8kw
	3m hard wired power cable
	Illuminated 10A trip on / off switch
Noise level	< 65dBA at typical operating speed
Weight	58kgs (127.6 lbs)
Approvals	UKCA and CE

Bag filter specifications

Filter holding capacity	20 Ltrs
Filter media	Polyester
Filter media construction	Bag filter
Filter efficiency	95% @ 0.9 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter efficiency	99.997% @ 0.3 microns

Part numbers

Model	Voltage	Part no.
DustPRO 100 powder coated	230V	D0542A

Replacement filters

Model	Bag filter part no.	HEPA filter part no.
DustPRO 100	A1030134	A1030161

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.*

Think before you print! Please consider the environment before printing this document.



DustPRO 1000 iQ

Fume Extraction System - DustPRO Range

Datasheet

Technical Specification and Product Information

A system for medium to heavy-duty industrial applications.

The DustPRO 1000 iQ extraction system is ideal for medium to heavy-duty applications that generate large amounts of particulate. With a greater airflow than the DustPRO 500 iQ, it also offers significant filter capacity.

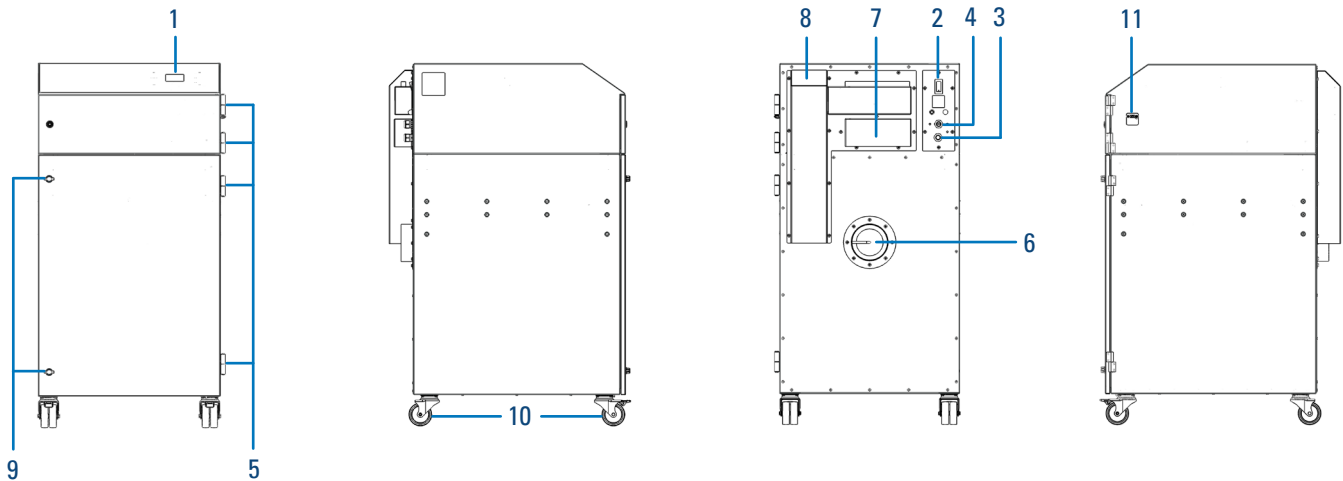
FEATURES

- Long-life, low-cost replacement filters
- High contrast display
- Remote diagnostics via USB

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

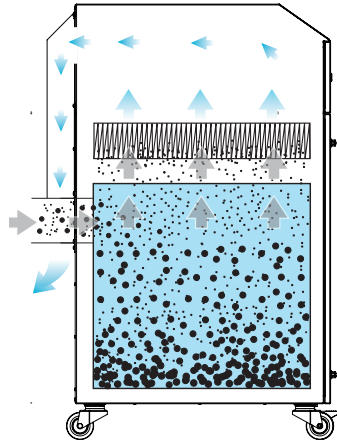
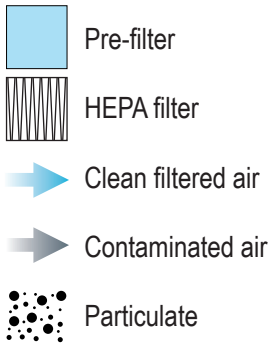


- | | | |
|---------------------------|---|-----------------|
| 1. iQ display | 5. Door hinges | 9. Door latches |
| 2. On/off switch | 6. Hose inlet connection - 4.92" (125 mm) | 10. Castors |
| 3. Power cable | 7. Blower cooling inlet | 11. USB port |
| 4. Signal/interface cable | 8. Air outlet/blower cooling outlet | |

TECHNICAL DATA

Voltage	Unrestricted airflow** (+/- 10%)		Settable airflow range***		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level****	Frequency	Full load current
	V	cfm	m³/hr	cfm		m³/hr	in	mm	lbs			
230	520	885	176-442	300-750	60	47.4 x 24.2 x 31.9	1205 x 620 x 810	209	95	< 60	50/60	12.8

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V UK plug	1U30811619-A-2181-UK
Powder-coated, 230 V EU plug	1U30811619-A-2181-EU
Powder-coated, 230 V 24 V S/S, SOK, O/R, UK plug	1U6530811619-A-2181-UK
Powder-coated, 230 V 24 V S/S, SOK, O/R, EU plug	1U6530811619-A-2181-EU
Powder-coated, 230 V 24 V S/S, SOK, O/R, USA plug	1U6530811619-A-2181-US

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter bag	44.1	4.1	95% @ 0.9 microns
HEPA filter	80.7	7.5	99.995% @ 0.3 microns

PART NUMBERS - FILTERS

Pre-filter bag	HEPA filter
1UA1030395	1UA1030394

CUSTOMIZATIONS

Options

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

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G

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

** Unrestricted airflow: The airflow values provided with clean filters, no hose kit, at 230 V, measured by using a wind vane. The numbers may vary depending on voltage and test procedure used.

*** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

**** Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (April 2026) Donaldson BOFA DustPRO 1000 iQ Datasheet. ©2011-2026 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflow, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

DustPRO 1500 iQ

Fume Extraction System - DustPRO Range

Datasheet

Technical Specification and Product Information

A system for heavy-duty industrial applications.

The DustPRO 1500 iQ extraction system is ideal for heavy-duty applications that generate large amounts of particulate. It has a large filter capacity and provides higher airflow than the DustPRO 1000 iQ system.

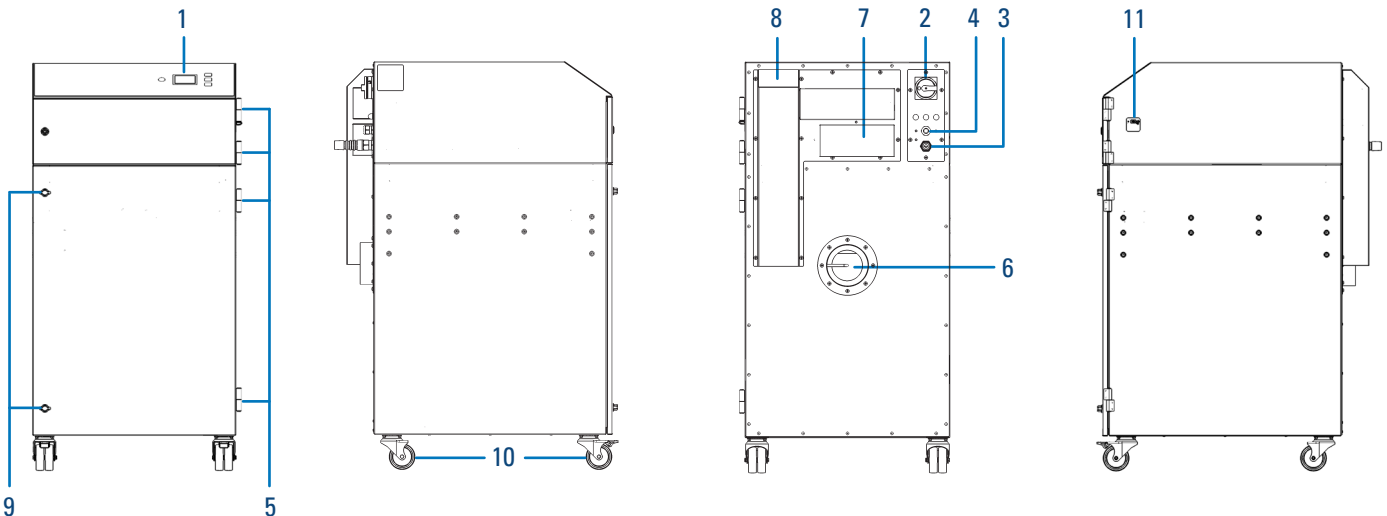
FEATURES

- Long-life, low-cost replacement filters
- High contrast display
- Remote diagnostics via USB

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

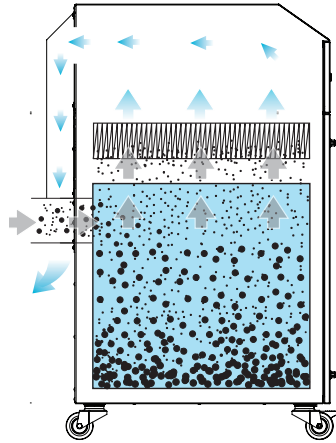
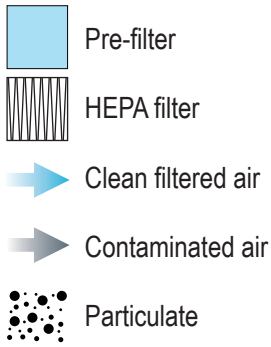


- | | | |
|---------------------------|---|-----------------|
| 1. iQ display | 5. Door hinges | 9. Door latches |
| 2. On/off switch | 6. Hose inlet connection - 4.92" (125 mm) | 10. Castors |
| 3. Power cable | 7. Blower cooling inlet | 11. USB port |
| 4. Signal/interface cable | 8. Air outlet/blower cooling outlet | |

TECHNICAL DATA

Voltage	Settable airflow range**		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level***	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
230, 1 Ph	294-736	500-1250	100	47.4 x 24.2 x 31.1	1205 x 615 x 790	225	102	< 70	50/60	24
415, 3 Ph										8.5 A Ph/ 14.5 A N

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter bag	44.1	4.1	95% @ 0.9 microns
HEPA filter	80.7	7.5	99.995% @ 0.3 microns

PART NUMBERS - FILTERS

Pre-filter bag	HEPA filter
1UA1030395	1UA1030394

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V 24 V S/S, SOK and O/R	1U4695557129-A-1419
Powder-coated, 415 V 24 V S/S, SOK and O/R	1U4665811629-A-1419

CUSTOMIZATIONS

Options

- Power cables
- Remote stop/start signal (S/S)
- System OK signal (SOK)
- Override (O/R)
- Exhaust box

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

- Type B
- Type E
- Type G

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

** Settable range: Donaldson BOFA recommends utilizing the lowest flow rate that achieves the correct capture velocity for your application in order to maximize filter life.

*** Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (April 2026) Donaldson BOFA DustPRO 1500 IQ Datasheet. ©2011-2026 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflow, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.



A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

DustPRO 250

Last Updated on 02.02.2022



Particulate and dust extraction system for a variety of industrial applications.

BOFA's DustPRO 250 extraction unit has been developed to help with the filtration of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

One of the main problems with other router extraction relates to the type of pump used. Most have brushed motors which are noisy in operation and frequently burn out.

The pump used in the DustPRO 250 is brushless and designed for continuous running for long periods of time before servicing.

The bag filter has a large 6.4 litre capacity and the HEPA filter has very high efficiency.

Technology



HEPA filter



ProTECT service plan



SureCHECK quality standard

Key features of the DustPRO 250

High efficiency filters (99.997% @ 0.3 microns)
Standard

Simple operation
Standard

Small footprint
Standard

Remote stop / start interface
Optional

Large capacity filter bag
Standard

Low running costs
Standard

Quiet operation
Standard

Filter change / system fail signal
Optional

Technical specifications

1. Hose inlet - 75mm
5. Power inlet

2. Unit lid
6. Exhaust outlet

3. Latch
7. Filter change indicator

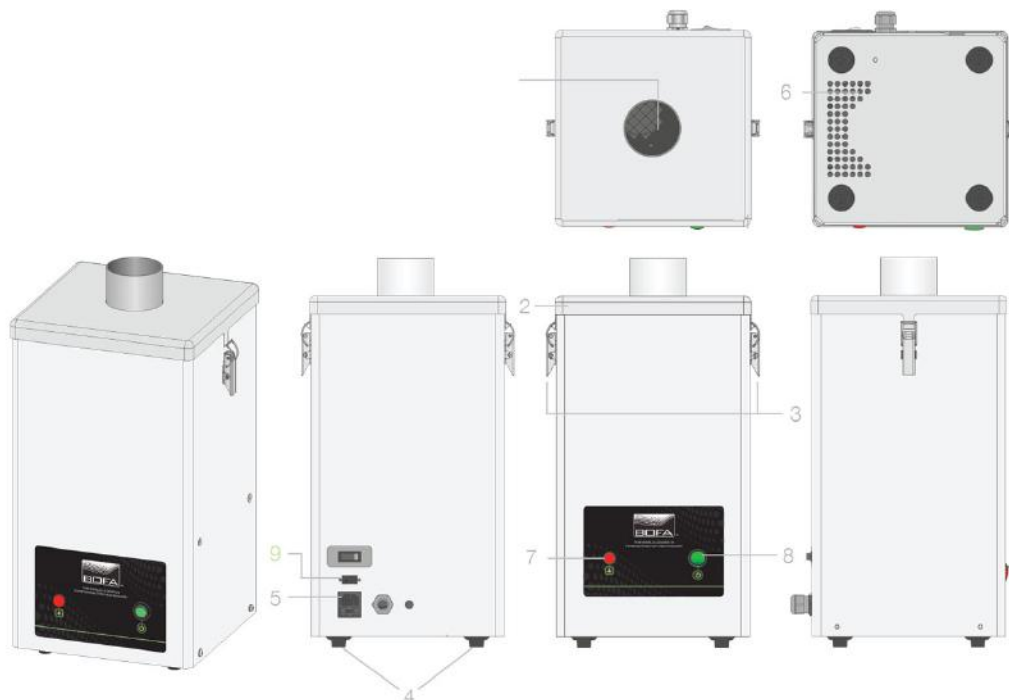
4. Feet
8. On / off switch

Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/dustpro-250/








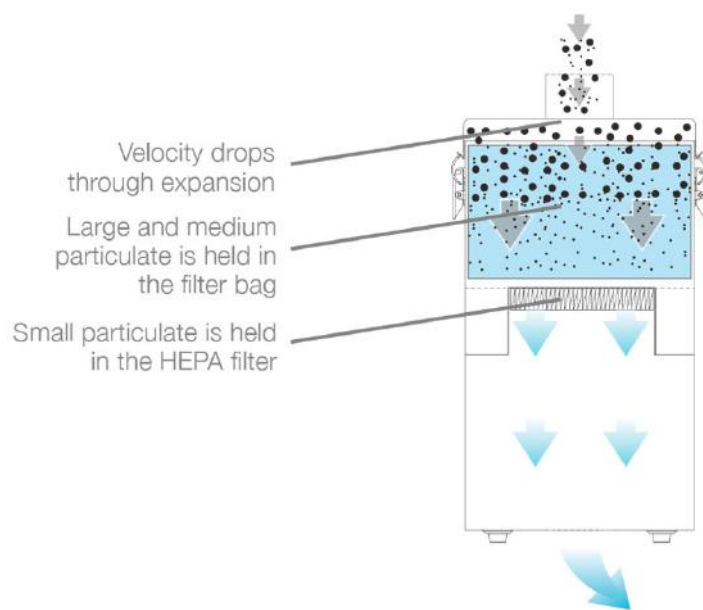
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

9. Optional stop / start and filter change socket



Airflow through filters

-  Bag filter
-  HEPA filter
-  Clean air
-  Contaminated air
-  Particulate



Technical data

	EU	US
Dimensions (HxWxD)	520 x 290 x 270mm	20.47 x 11.42 x 10.63"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	180m ³ /hr / 30mbar	105cfm / 30mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 0.9 amps / 0.135w Fuse rating 2 amps	115v Single-phase 1~ 50/60Hz Full load current: 1.2 amps / 0.135w Fuse rating 2 amps
Noise level	< 59dBA (at typical operating speed)	< 59dBA (at typical operating speed)
Weight	10kgs	22lbs

Technical data

Approvals

UKCA and CE

UKCA and CE

Bag filter specifications

Filter holding capacity	6.4 ltrs
Filter media	Polyester
Filter media construction	Bag filter
Filter efficiency	95% @ 0.9 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Filter efficiency	99.997% @ 0.3 microns

Unit part numbers

Model	Voltage	Part number	24V stop / start	Filter change / system failure signal
DustPRO 250 powder coated	230V	D0142A	A2001	A2002
	115V	D0141A	A2001	A2002

Replacement filter part numbers

Model	Bag filter part number	HEPA filter part number
DustPRO 250	A1030241	A1030287

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.*

Think before you print! Please consider the environment before printing this document.





A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY



DustPRO 400

Last Updated on 02.02.2022

Particulate and dust extraction system for a variety of industrial applications.

BOFA's DustPRO 400 extraction unit has been developed to help with the filtration of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

One of the main problems with other router extraction relates to the type of pump used. Most have brushed motors which are noisy in operation and frequently burn out.

The high vacuum pump used in the DustPRO 400 is brushless and designed for continuous running for long periods of time before requiring servicing.

The bag filter has a large 6.4 litre capacity and the HEPA filter is very high efficiency.

Technology



HEPA filter



Multi voltage sensing (MVS) unit



ProTECT service plan



SureCHECK quality standard

Key features of the DustPRO 400

Filter full indicator
Standard

High efficiency filters (99.997% @ 0.3 microns)
Standard

Simple operation
Standard

Small footprint
Standard

Filter change / system fail signal
Optional

Digital speed control
Standard

Large capacity filter bag
Standard

Low running costs
Standard

Remote stop / start interface
Optional

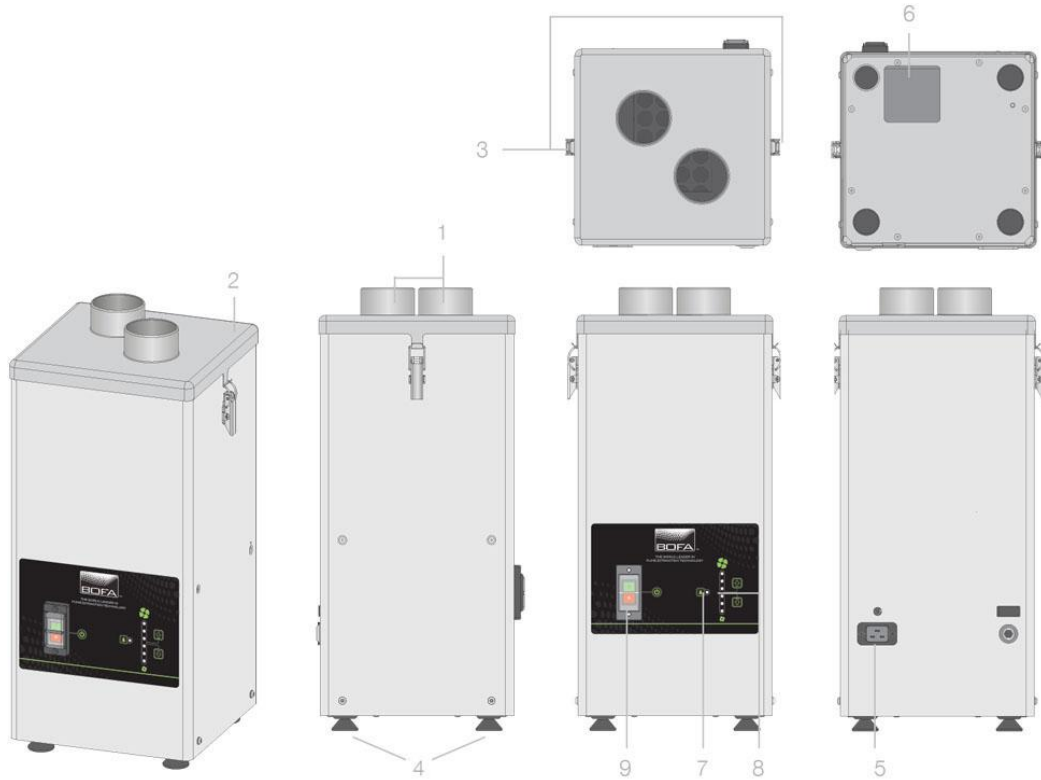
Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/dustpro-400/








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

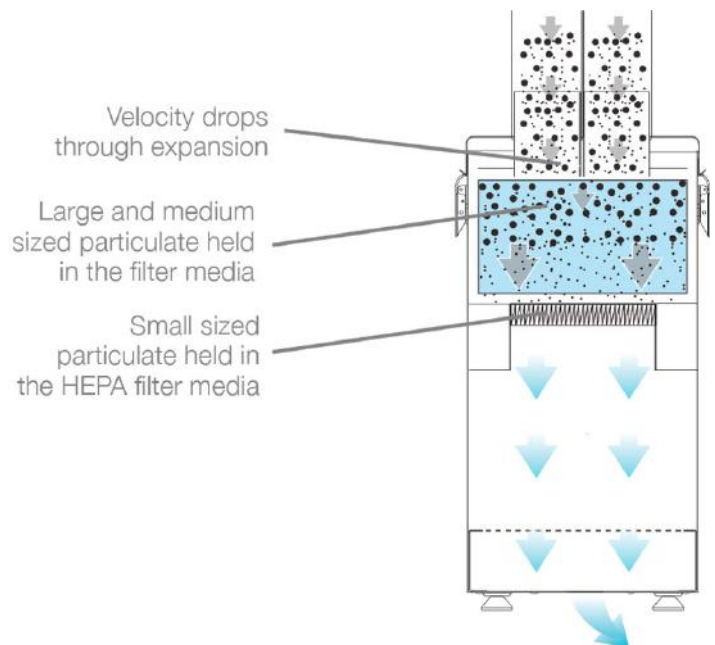
Technical specifications

- 1. Hose inlet - 2 x 75mm
- 2. Unit lid
- 3. Latch
- 4. Feet
- 5. Power inlet
- 6. Exhaust outlet
- 7. Filter full indicator
- 8. Speed control
- 9. Power switch



Airflow through filters

-  Bag filter
-  HEPA filter
-  Clean air
-  Contaminated air
-  Particulate



Technical data

	EU	US
Dimensions (HxWxD)	600 x 290 x 270mm	23.62 x 11.42 x 10.63"
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	< 66dBA (at typical operating speed)	< 66dBA (at typical operating speed)
Weight	14kgs	30.9lbs
Approvals	UKCA and CE	UKCA and CE

Bag filter specifications

Filter holding capacity	6.4 ltrs
Filter media	Polyester
Filter media construction	Bag filter
Filter efficiency	95% @ 0.9 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Filter efficiency	99.997% @ 0.3 microns

Unit part numbers

Model	Voltage	Part number	Foot switch
DustPRO 400 powder coated	100-230v	D0944A	A0009

Replacement filter part numbers

Model	Bag filter part number	HEPA filter part number
DustPRO 400	A1030241	A1030287

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.*

Think before you print! Please consider the environment before printing this document.

DustPRO 50

Fume Extraction System

Datasheet

Technical Specification and Product Information

A compact, high-vacuum extraction system.

The DustPRO 50 is a compact, high-vacuum extraction system designed for lightweight applications. It features a large capacity bag filter and brushless blower that helps to ensure a long lifespan.

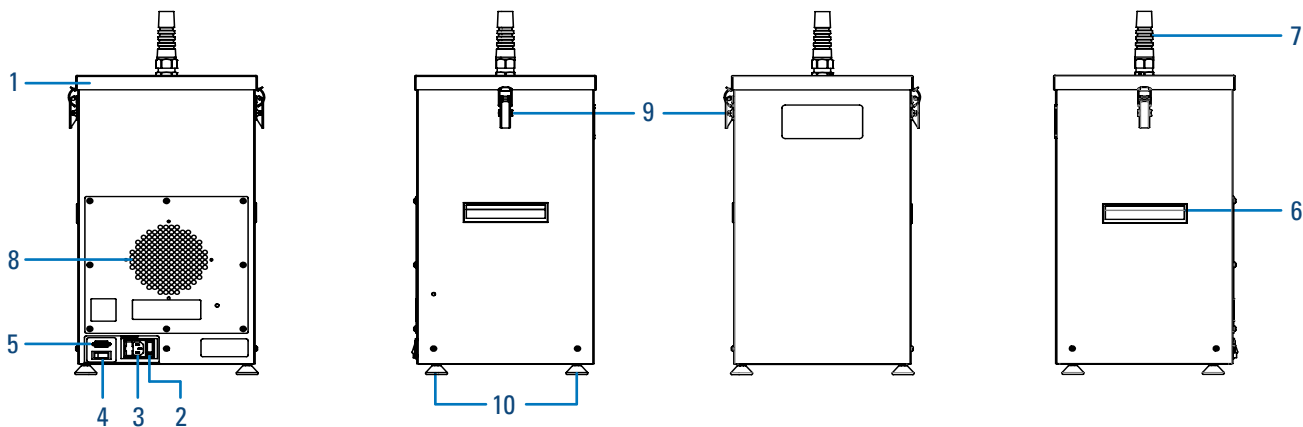
FEATURES

- Long-life, low-cost replacement filters
- Low noise level
- Small footprint

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

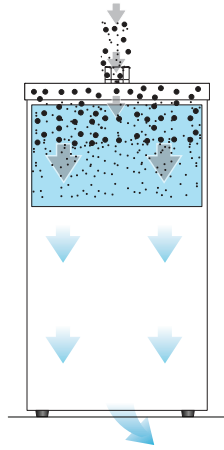
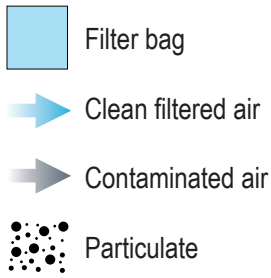


- | | |
|--------------------------------------|--|
| 1. Lid | 6. Handles |
| 2. On/off switch | 7. Hose gland/inlet connection - 1.0/2.0" (25/50 mm) |
| 3. Power cable inlet | 8. Blower cooling inlet |
| 4. Override switch (optional) | 9. Lid latches |
| 5. Signal/interface cable (optional) | 10. Castors |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight		Noise level*	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115	47	80	100	22.6 x 12.6 x 11.6	575 x 320 x 295	50	23	< 64	50/60	0.5
230										2.8

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V Hose gland	1U821544-1210
Powder-coated, 230 V 24 V S/S, O/R and 50 mm inlet	1U150821544-1210
Powder-coated, 230 V 24 V S/S and O/R	1U150821544-1210-1

FILTER SPECIFICATIONS

Model	Volume	Filter efficiency
	ltr	
Filter bag	6.4	95% @ 0.9 microns

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Filter pad	0.8	0.08	96% @ 2 microns

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 Override (O/R)

Cabinet construction

Powder-coated mild steel (RAL7035)

Power cables

Type B
 Type E
 Type G

* Noise level: At typical operating speed.

PART NUMBERS - FILTERS

Filter bag	Filter pad
1UA1030135	1UA1030085

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA DustPRO 50 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A standalone dust extraction system.

The DustPRO Universal is an industrial standalone extraction system designed to filter swarf and smaller particulates generated from a variety of industrial applications. It features a large 18-liter capacity filter bag and a brushless high-vacuum blower designed to help ensure a long lifespan.

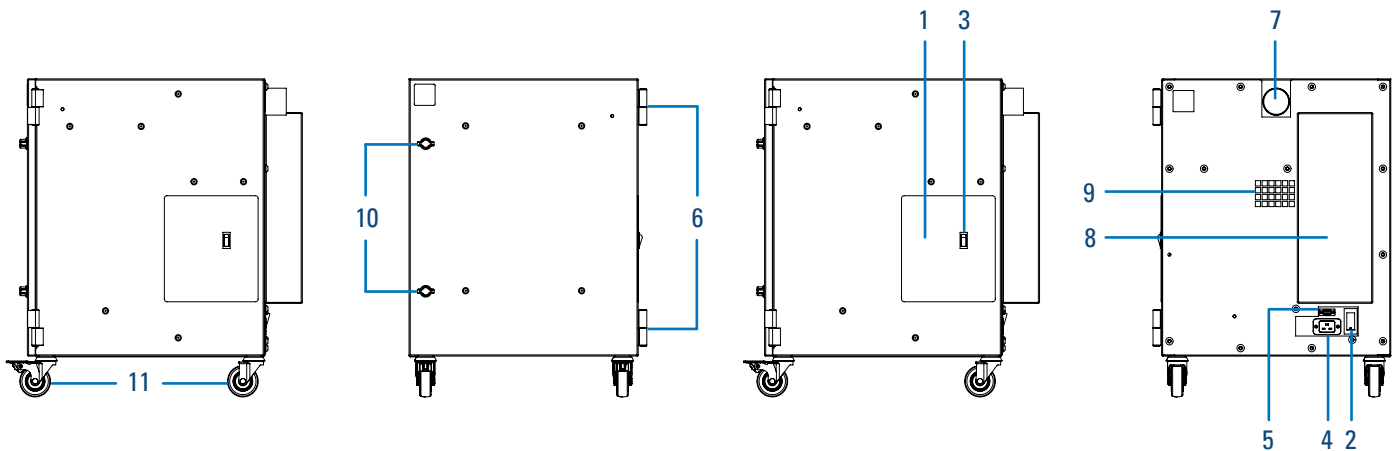


FEATURES

- Simple operation
- Long-life, low-cost replacement filters
- Low noise level

Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

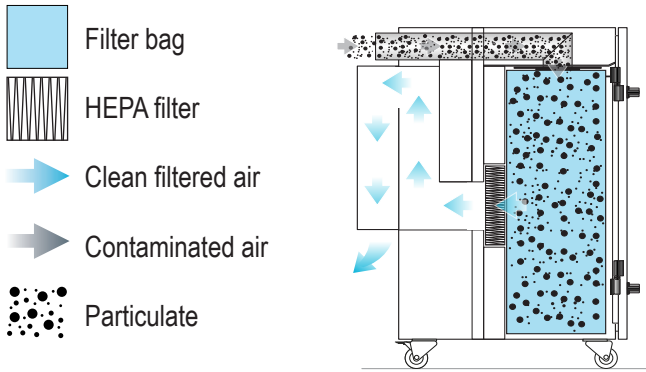


- | | |
|--------------------------------------|---|
| 1. Control panel | 7. Hose inlet connection - 2.0" (50 mm) |
| 2. On/off switch | 8. Exhaust outlet |
| 3. Override switch (optional) | 9. Blower cooling inlet |
| 4. Power cable inlet | 10. Door latches |
| 5. Signal/interface cable (optional) | 11. Castors |
| 6. Door hinges | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	167	285	96	23.2 x 18.1 x 21.1	590 x 460 x 535	72.8	33	< 66	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30821047-1119
Powder-coated, 115-230 V 24 V S/S, SOK and O/R	1U4680821047-1119
Powder-coated, 115-230 V USA plug	1U10821047-1119
Powder-coated, 115-230 V Exhaust spigot	1U296250821047-1119-01

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)
 Override (O/R)
 Exhaust box/exhaust spigot

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

Compatible accessories:

AD Cyclone

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Filter bag	129.1	12	99% @ 0.3 microns
HEPA filter	32.3	3	99.995% @ 0.3 microns

PART NUMBERS - FILTERS

Filter bag	HEPA filter
1UA1030170	1UA1030161

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

** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (March 2025) Donaldson BOFA DustPRO Universal Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

FumeCAB 1000 iQ

ELECTRONICS, PHARMACEUTICAL & MEDICAL

Last Updated on 02.02.2022



The complete cabinet fume extraction solution for a broad range of applications.

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the in the HSE are now making direct reference through guidance documentation such as the HSG258 to their use.

The FumeCAB 1000 iQ integrated filtration system has been designed to comply with the latest regulations. It provides users with an extra depth of working space for taller applications.

BOFA's Intelligent Operating System (iQ) and ultra-bright slimline energy-saving LED lights come as standard making this system an ideal choice of fume extraction for a wide variety of applications.

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

Technology



Intelligent Operating System (iQ)



HEPA filter



Automatic flow control (AFC) technology



Reverse flow air (RFA) technology



Advanced carbon filter (ACF) technology



Patented technology



ProTECT service plan



SureCHECK quality standard

Key features of the FumeCAB 1000 iQ

Certified to BS 7989:2001 recirculatory filtration fume cabinet specification Standard

Reverse flow filter technology Standard

Energy saving ultra-bright slim line LED lighting Standard

Combined HEPA / gas filter incorporating ACF technology Standard

Ensures operational compliance with HSG258 guidelines Standard

Automatic flow control system Standard

Twin coated anti UV / anti splash protective polycarbonate visor Standard

Filters with long life and low replacement cost Standard

Contact BOFA at www.donaldsonbofa.com/contact/

www.donaldsonbofa.com/fume-extraction-systems/fumecab-1000-iq/



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

Real time airflow reading

Standard

High contrast display

Standard

Remote diagnostics via USB

Standard

Side entry blind grommets for equipment access

Standard

Interfacing

Optional

Stand

Optional

Independent filter condition monitoring, display and warnings

Standard

'Run safe' operation

Standard

Large working area

Standard

VOC gas sensor (Volatile Organic Compound)

Optional

UV lighting

Optional

Optional filter medias

Optional

Technical specification

1. iQ display

2. On / off switch

3. Filter compartment hinges

4. Cable entry grommet

5. Transparent visor

6. Hinges

7. Mains inlet

8. LED lighting

9. Exhaust

10. Cooling air inlet

11. Standby button

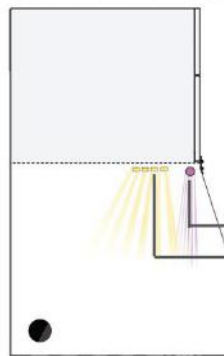
12. UV lighting (optional)



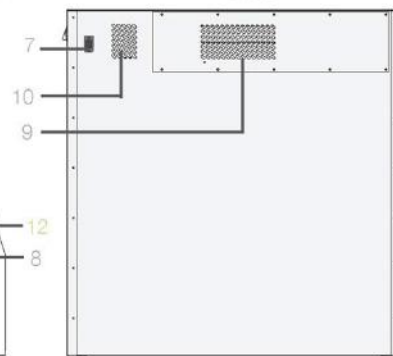
Front



Left Side / Internal work area

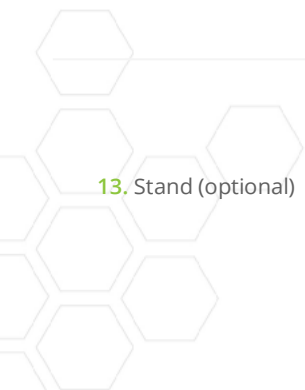


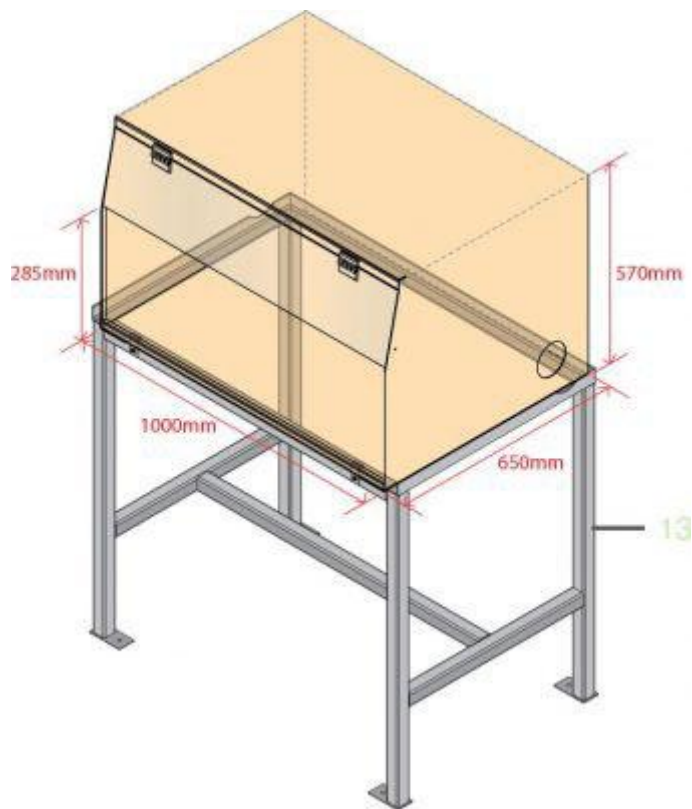
Back



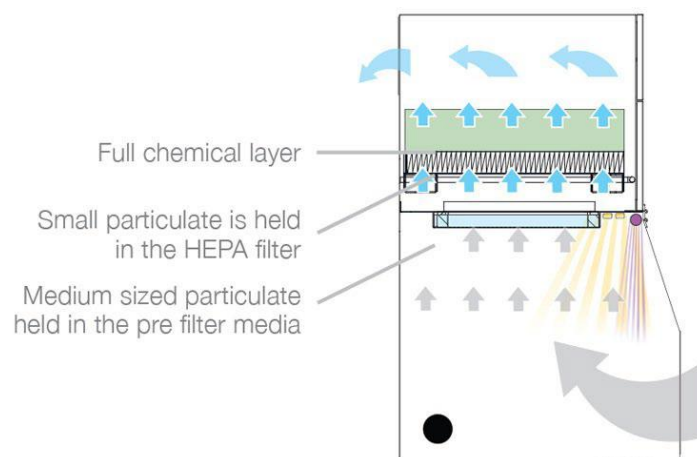
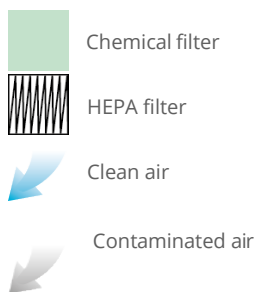
Internal work area and optional stand

13. Stand (optional)





Airflow through filters



Technical data

	EU	US
Dimensions (HxWxD)	943 x 1029 x 669mm	37.13 x 40.51 x 26.34"
Opening dimensions (HxWxD)	285 x 1000 x 650mm	11.2 x 39.4 x 25.6"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Face velocity	0.4m/s	78.7ft/min
Max face velocity	0.6m/s	118ft/min
Electrical data	230v 50/60Hz Full load current: 6 amps	115v 50/60Hz Full load current: 10 amps
Noise level	< 60dBA (At typical operating speed)	< 60dBA (At typical operating speed)

Technical data

Weight	120kg	264lbs
Exhaust outlet (optional)	125mm	125mm
Approvals	UKCA and CE	UKCA and CE

Pre-filter specifications

Filter media construction	Filter pad
Filter housing	Cardboard
Filter efficiency	99% @ 0.3 microns

Combined HEPA / gas filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	17kgs (37.4 lbs)
Filter efficiency	99.997% @ 0.3 microns

Optional stand specifications

Dimensions (HxWxD)	943 x 1029 x 669mm / 37.1 x 40.5 x 26.3"
Stand construction	Powder coated mild steel

Unit part numbers

Model	Voltage	Part no.
FumeCAB 1000 iQ Powder coated	230V	E2242A
FumeCAB 1000 iQ Powder coated	115V	E2241A

Replacement filter part numbers

Model	Part no.
Pre-filter	A1030249
Combined filter	A1030250

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.*

Think before you print! Please consider the environment before printing this document.



FumeCAB 250

Fume Cabinet

Datasheet

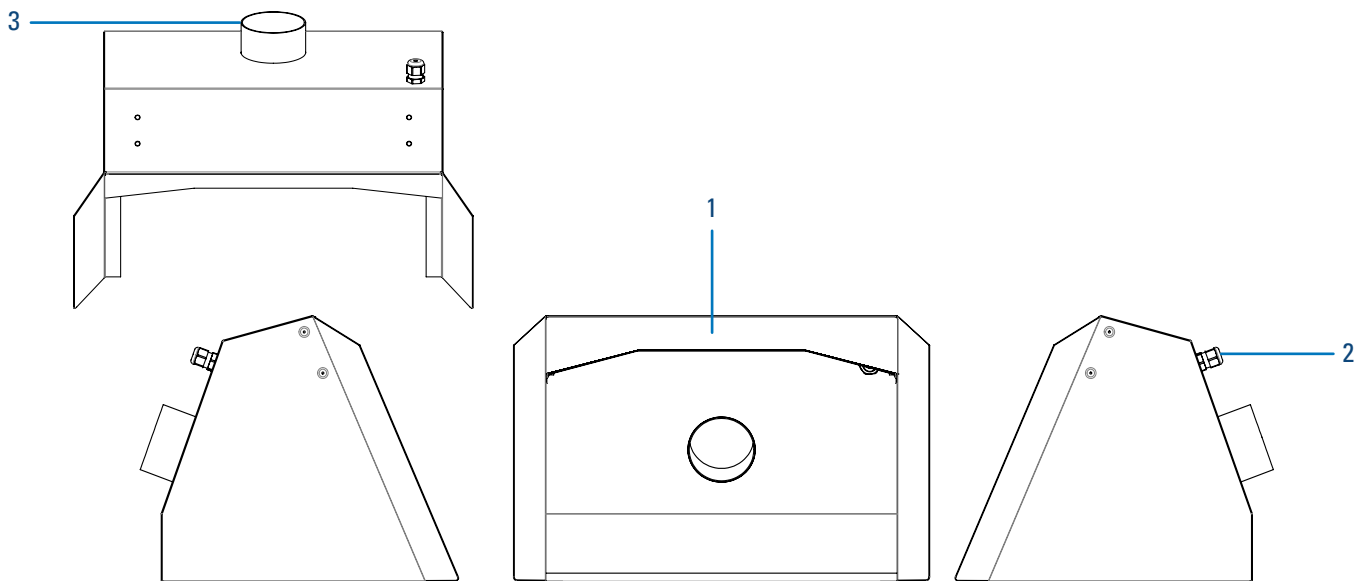
Technical Specification and Product Information

A small fume cabinet for a wide range of applications.

The FumeCAB 250 is a versatile fume cabinet suitable for a wide range of applications. It is designed to work with our V 250 extraction system.



TECHNICAL SPECIFICATION



1. Company branding

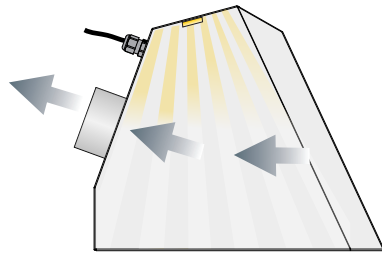
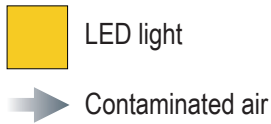
2. Plug inlet

3. Air outlet - 3.0" (75 mm)

TECHNICAL DATA

Dimensions (H x W x D)		Opening dimensions (H x W)		Recommended face velocity		Weight	
in	mm	in	mm	f/min	m/s	lbs	kg
11.4 x 15.8 x 11.8	290 x 400 x 300	10.4 x 15.8	256 x 400	118	0.5	7	3

AIRFLOW



CUSTOMIZATIONS

Options

V 250 extraction system

Cabinet construction

Powder-coated mild steel (RAL9016)

Power cables

Type B
Type E
Type G

PART NUMBERS - SYSTEM

Description	Part number
FumeCAB 250 Single 3.0" (75 mm) hose kit 1.5 m	1UA1020127
FumeCAB 250 with V 250 Powder-coated, 230 V	1U30351595-1287

* The FumeCAB 250 is designed to work with our V 250 extraction system. For detailed specification on the extraction system, please refer to the V 250 datasheet.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA FumeCAB 250 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

DS-FUMECAB 250-BOFA-US V1.1.

FumeCAB 600

Fume Cabinet

Datasheet

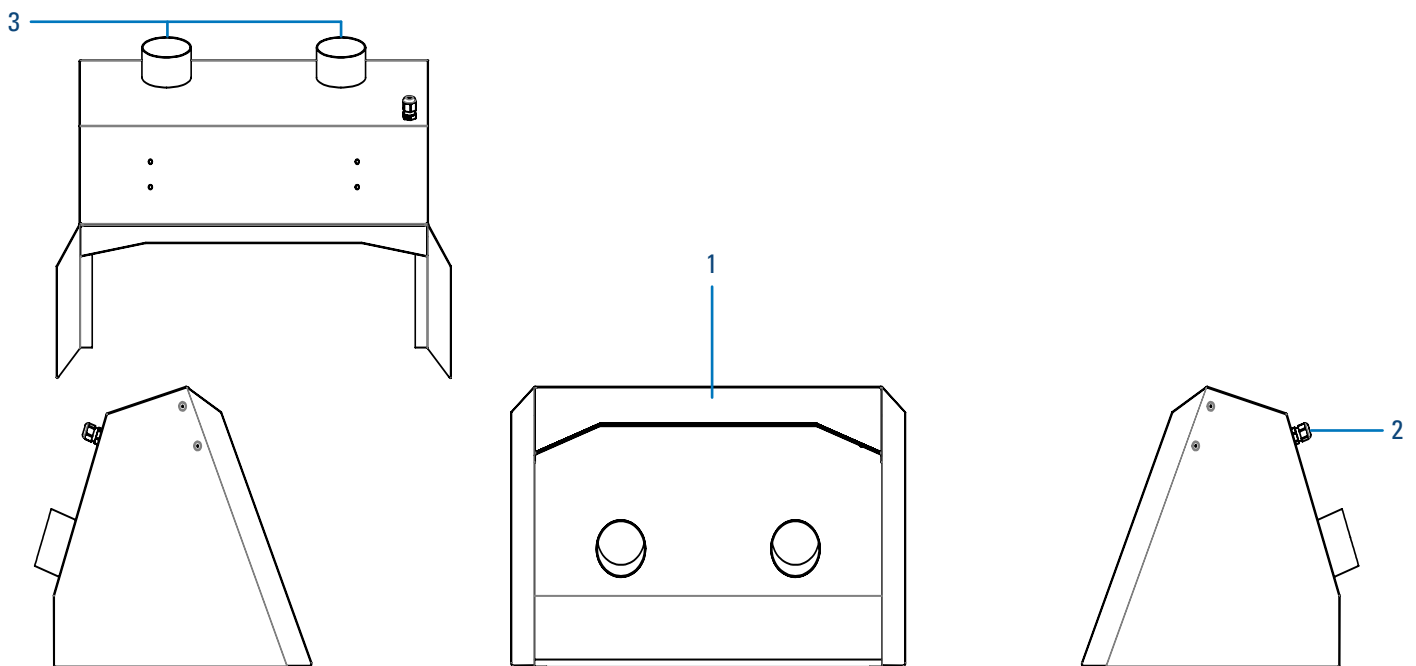
Technical Specification and Product Information

A versatile fume cabinet for a variety of applications.

The FumeCAB 600 is a versatile fume cabinet suitable for a wide range of applications. With a larger working area and higher airflow than the FumeCAB 250, it is designed to be used with our V 600 extraction system.



TECHNICAL SPECIFICATION



1. Company branding

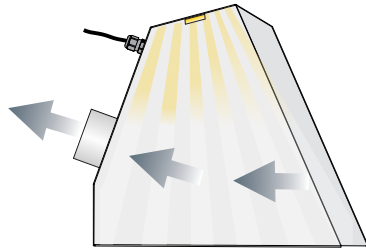
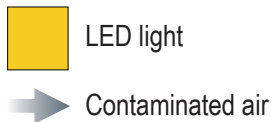
2. Plug inlet

3. Air outlets - 3.0" (75 mm)

TECHNICAL DATA

Dimensions (H x W x D)		Opening dimensions (H x W)		Recommended face velocity		Weight	
in	mm	in	mm	f/min	m/s	lbs	kg
14.0 x 24.0 x 16.5	355 x 610 x 420	12.4 x 21.3	315 x 540	150	0.5	11	5

AIRFLOW



CUSTOMIZATIONS

Options

V 600 extraction system

Cabinet construction

Powder-coated mild steel (RAL9016)

Power cables

Type B
Type E
Type G

PART NUMBERS - SYSTEM

Description	Part number
FumeCAB 600 Two 3.0" (75 mm) hose kits 2 m	1UA1020128
FumeCAB 600 with V 600 Powder-coated, 100-230 V	1U30766117-1238-2-FUME

* The FumeCAB 600 is designed to work with our V 600 extraction system. For detailed specification on the extraction system, please refer to the V 600 datasheet.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA FumeCAB 600 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

DS-FUMECAB 600-BOFA-US V1.0

ILF 1000

Inline Pre-Filter

Datasheet

Technical Specification and Product Information

An inline pre-filter for high-dust or particulate applications.

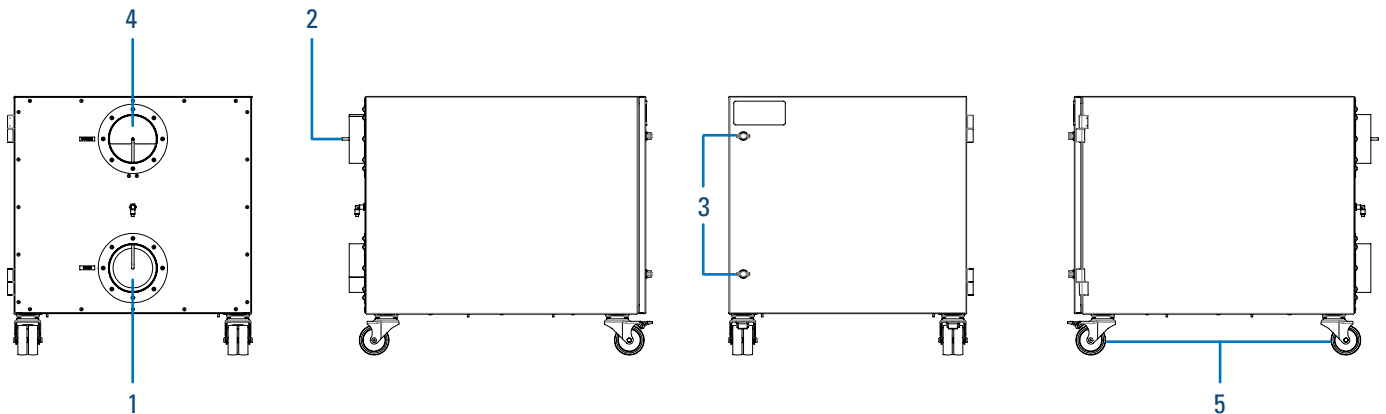
The ILF 1000 is our highest-capacity inline pre-filter, ideal for applications generating significant dust and particulate. Positioned alongside a main Donaldson BOFA extraction system, it helps to increase overall filter capacity and extend the life of the main filters.



FEATURES

- Extended filter life
- Long-life, low-cost replacement filters
- Large holding capacity

TECHNICAL SPECIFICATION



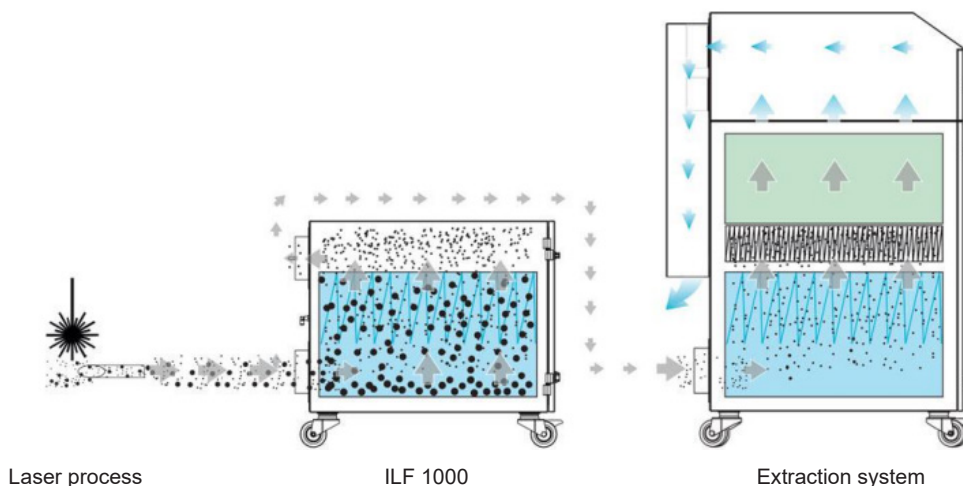
1. Hose inlet connection - 4.9" (125 mm)
2. Vacuum sensor pipe
3. Latches

4. Hose outlet to extraction system - 4.9" (125 mm)
5. Castors

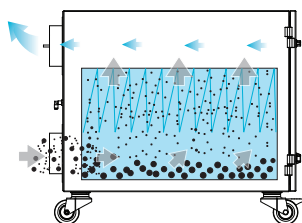
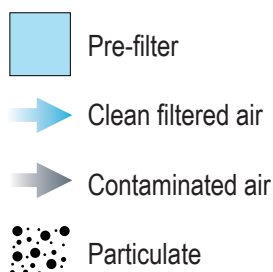
TECHNICAL DATA

Dimensions (H x W x D)		Weight (+/- 5%)	
in	mm	lbs	kg
25.6 x 24.3 x 30.0	650 x 617 x 763	55	25

INLINE EXTRACTION SYSTEM



AIRFLOW



PART NUMBERS - FILTERS

DeepPleat DUO pre-filter
1UA1030222

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel	1UA1030307

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat DUO pre-filter	322.8	30	95% @ 0.9 microns

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA ILF 1000 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

ILF 300

Inline Pre-Filter

Datasheet

Technical Specification and Product Information

An inline pre-filter for high-dust or particulate applications.

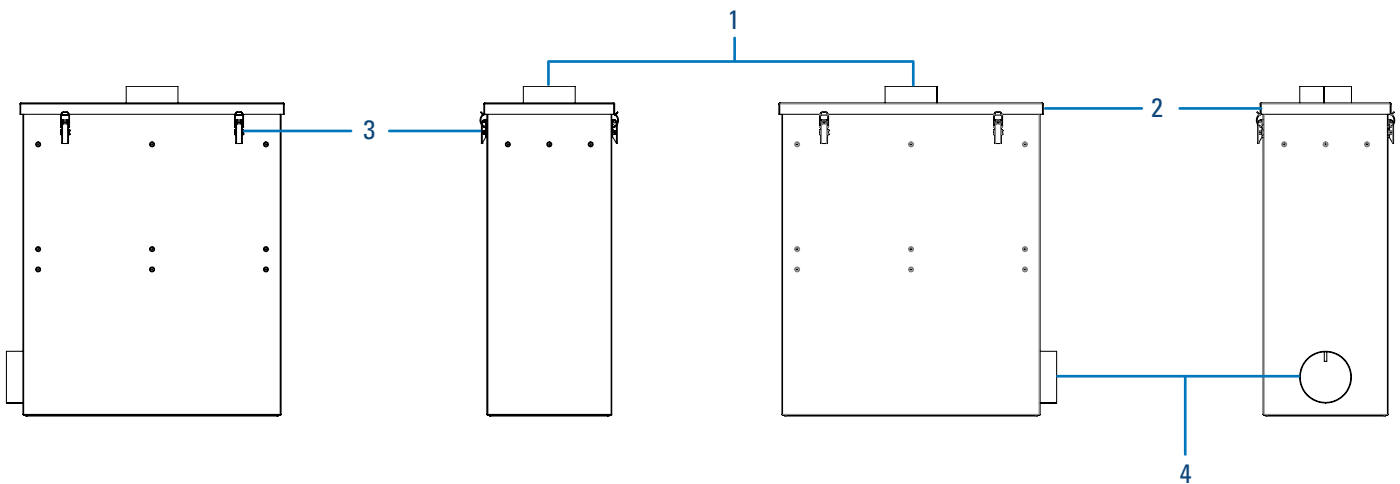
The ILF 300 is an inline pre-filter designed for applications that generate high amounts of dust or particulate. Developed to be used alongside a Donaldson BOFA extraction system, it helps to protect the life of the filters inside the extraction system..



FEATURES

- Extended filter life
- Large holding capacity

TECHNICAL SPECIFICATION



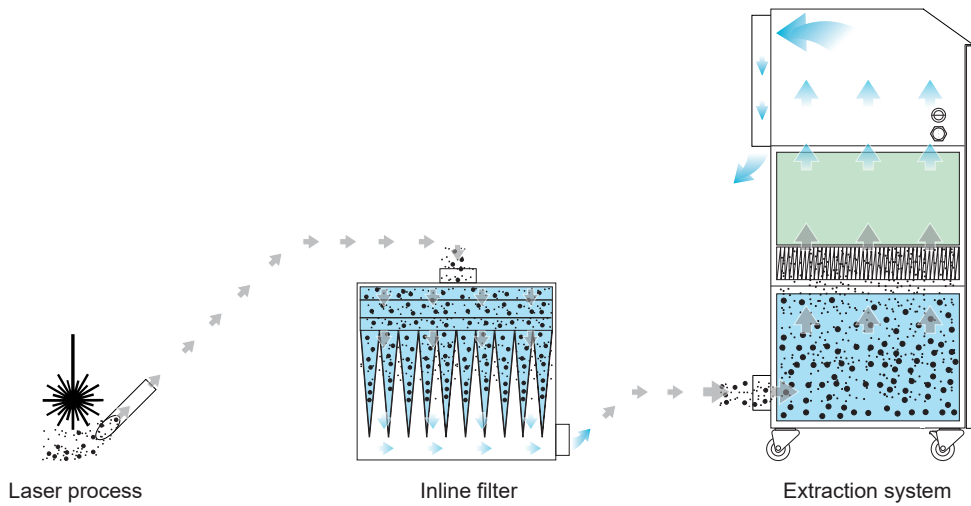
1. Hose inlet connection - 4.9" (125 mm)
2. Lid

3. Latches
4. Hose outlet to extraction system - 4.9" (125 mm)

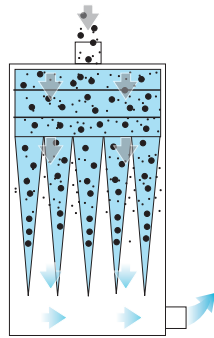
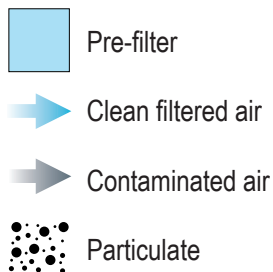
TECHNICAL DATA

Dimensions (H x W x D)		Weight (+/- 5%)	
in	mm	lbs	kg
31.3 x 25.1 x 13.0	796 x 638 x 328	60	27

INLINE EXTRACTION SYSTEM



AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Lower grade pre-filter	30.4	2.8	82% @ 1 microns
Higher grade pre-filter			95% @ 0.9 microns

PART NUMBERS - FILTERS

Lower grade pre-filter	Higher grade pre-filter
1UA1030132	1UA1030290

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, lower grade	1UA1030069
Stainless steel, higher grade	1UA1030436

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA ILF 300 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

An inline pre-filter for high-dust or particulate applications.

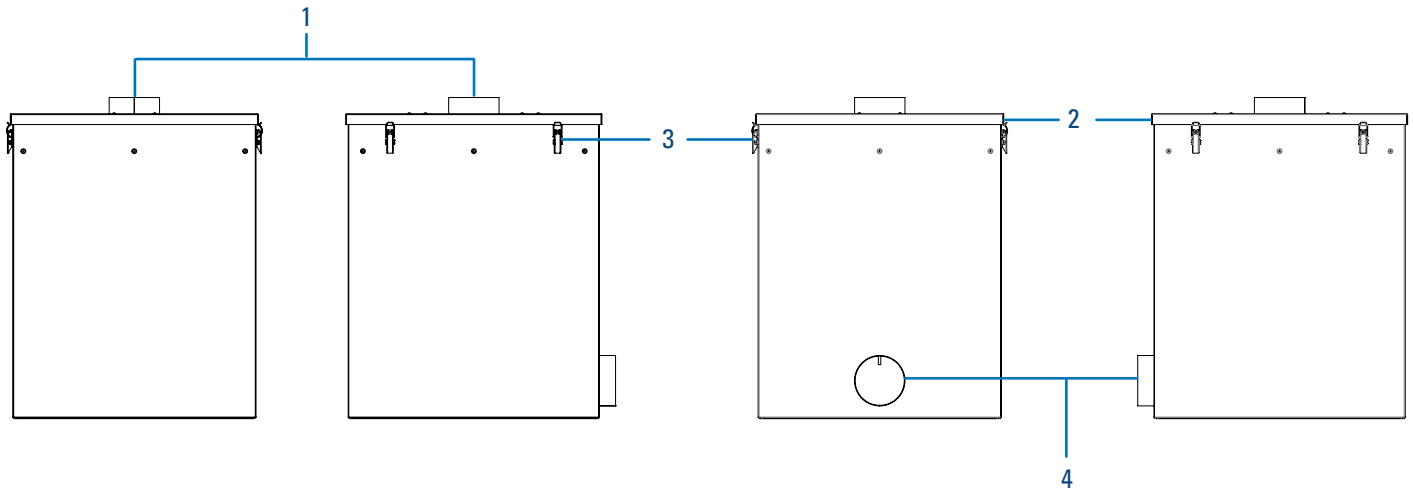
The ILF 600 is an inline pre-filter designed for high-dust or high-particulate applications. With double the capacity of the ILF 300, this is intended to be used alongside a Donaldson BOFA extraction system, helping to protect the life of the filters inside the extraction system.



FEATURES

- Extended filter life
- Large holding capacity

TECHNICAL SPECIFICATION

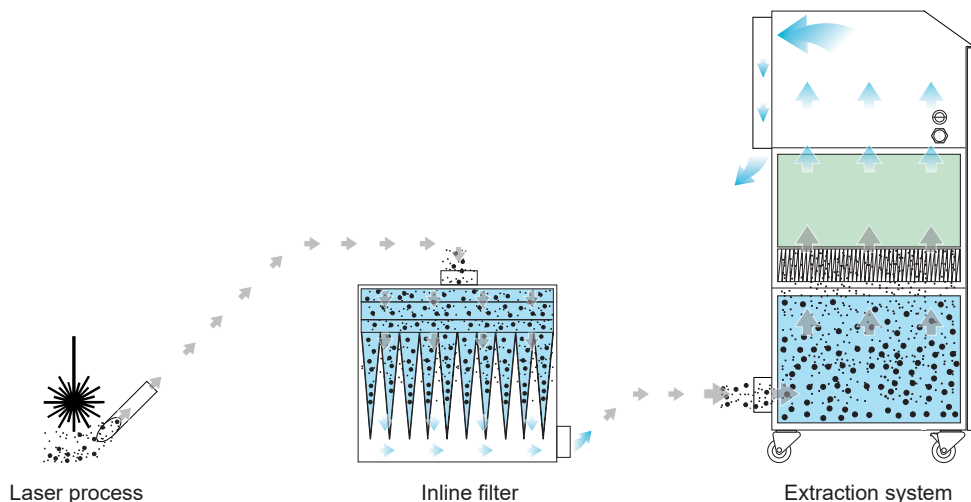


- 1. Hose inlet connection - 4.9" (125 mm)
- 2. Lid
- 3. Latches
- 4. Hose outlet to extraction system - 4.9" (125 mm)

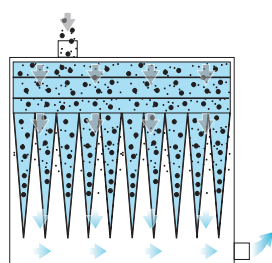
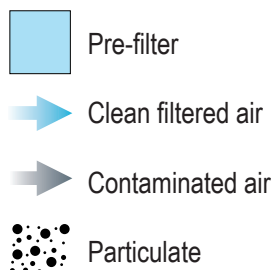
TECHNICAL DATA

Dimensions (H x W x D)		Weight (+/- 5%)	
in	mm	lbs	kg
32.3 x 24.8 x 25.0	820 x 631 x 635	77	35

INLINE EXTRACTION SYSTEM



AIRFLOW



PART NUMBERS - FILTERS

Lower grade pre-filter	Higher grade pre-filter
1UA1030151	1UA1030255

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, lower grade	1UA1030073
Stainless steel, higher grade	1UA1030438

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Lower grade pre-filter	60.8	5.7	82% @ 1 microns
Higher grade pre-filter			95% @ 0.9 microns

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA ILF 600 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A multi-purpose mobile dust and fume extraction system.

The Mobile FumeKART is a versatile and portable dust and fume extraction system suitable for a variety of applications. Designed to filter dust particles, weld fumes, vapors, and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

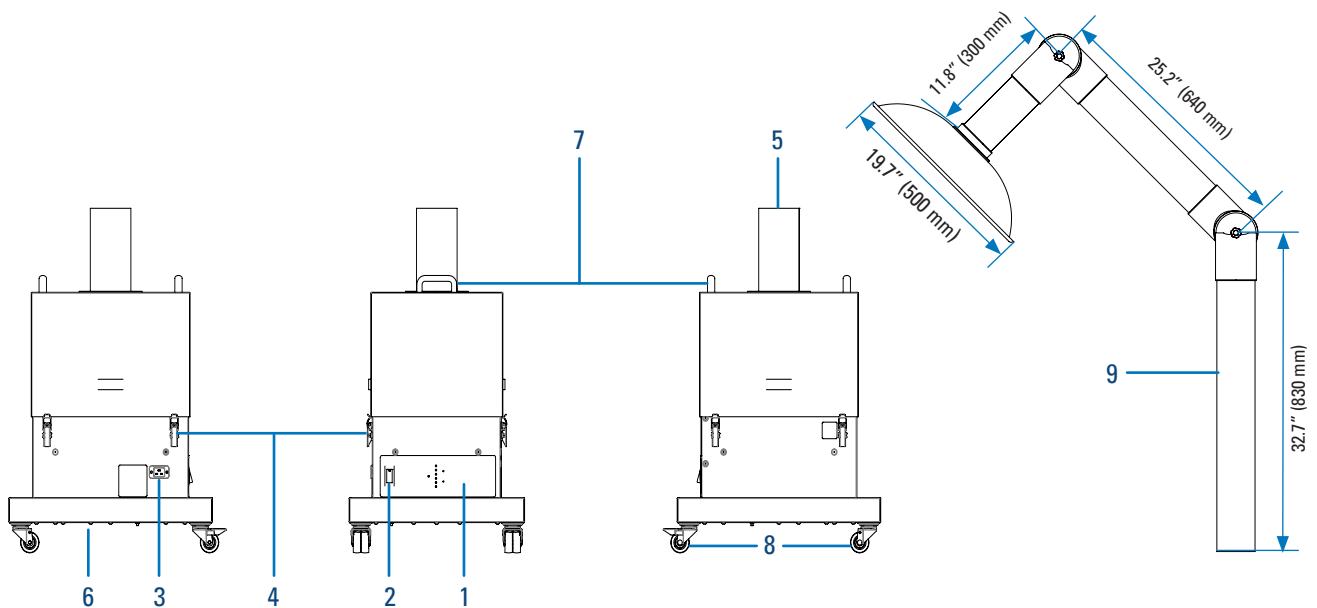


FEATURES

- Low noise level
- Fully portable

Approvals: UKCA and CE

TECHNICAL SPECIFICATION

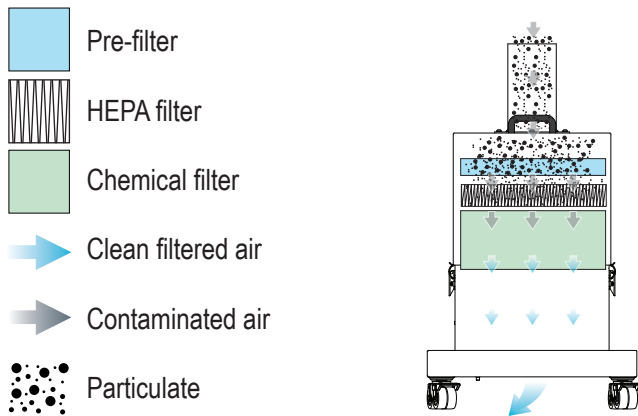


- | | |
|--|--|
| 1. Control panel | 6. Exhaust outlet |
| 2. On/off switch | 7. Handles |
| 3. Power cable inlet | 8. Castors |
| 4. Latches | 9. Extraction system arm 2.9/3.9" (75/100 mm)* |
| 5. Hose inlet connection- 2.9/3.9" (75/100 mm) | |

TECHNICAL DATA

Voltage	Flowrate		System dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm	m ³ /hr	in	mm	lbs			
115-230	223	380	33.1 x 18.7 x 21.7	840 x 475 x 550	119	54	< 64	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter	33.4	3.1	95% @ 0.9 microns
Combined filter (HEPA)	36.1	3.4	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	19	

PART NUMBERS - FILTERS

Pre-filter	Combined filter
1UA1030167	1UA1030166

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V 75 mm arm, UK plug	1U351067-1127-1
Powder-coated, 115-230 V 100 mm arm, UK plug	1U351067-1127-2
Powder-coated, 115-230 V VOC, 75 mm arm, UK plug	1U8700351067-1127
Powder-coated, 115-230 V VOC, 100 mm arm, UK plug	1U8100351067-1127

CUSTOMIZATIONS

Options

Power cables
VOC sensor

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G

*Multiple hood options available for connection to the extraction system arm.

**Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA Mobile FumeKART Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

PrintPRO 1000 iQ

Last Updated on 02.02.2022



The high-end fume extraction system for wide format printers and the printing industry.

BOFA's PrintPRO 1000 iQ high-end extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy-duty applications.

Performance has now been further enhanced with the inclusion of several new features including BOFA's new iQ Operating System, making the new PrintPRO 1000 iQ one of our most advanced systems available.

The iQ system takes performance parameters to a new level and ensures 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



Patented technology



ProTECT service plan



SureCHECK quality standard

Key features of the PrintPRO 1000 iQ

iQ Operating System
Standard

Reverse flow air technology
Standard

Combined HEPA / gas filter incorporating ACF technology
Standard

Automatic flow control system
Standard

High airflow and pressure rates
Standard

DeepPleat DUO pre-filter
Standard

Filters with long life and low replacement cost
Standard

Real time airflow reading
Standard

Contact BOFA at www.donaldsonbofa.com/contact/
www.donaldsonbofa.com/fume-extraction-systems/printpro-1000-iq/



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

Independent filter condition monitoring, display and warnings

Standard

'Run safe' operation

Standard

VOC gas sensor (Volatile Organic Compound)

Optional

Filter change / system fail signal

Optional

On-board compressor

Optional

High contrast display

Standard

Remote diagnostics via USB

Standard

Remote stop / start interface

Optional

Interfacing

Optional

Technical specification

1. IQ display

2. On / off switch

3. Power cable

4. Signal / interface cable

5. Castors

6. Door hinges

7. Hose inlet connection -
125mm

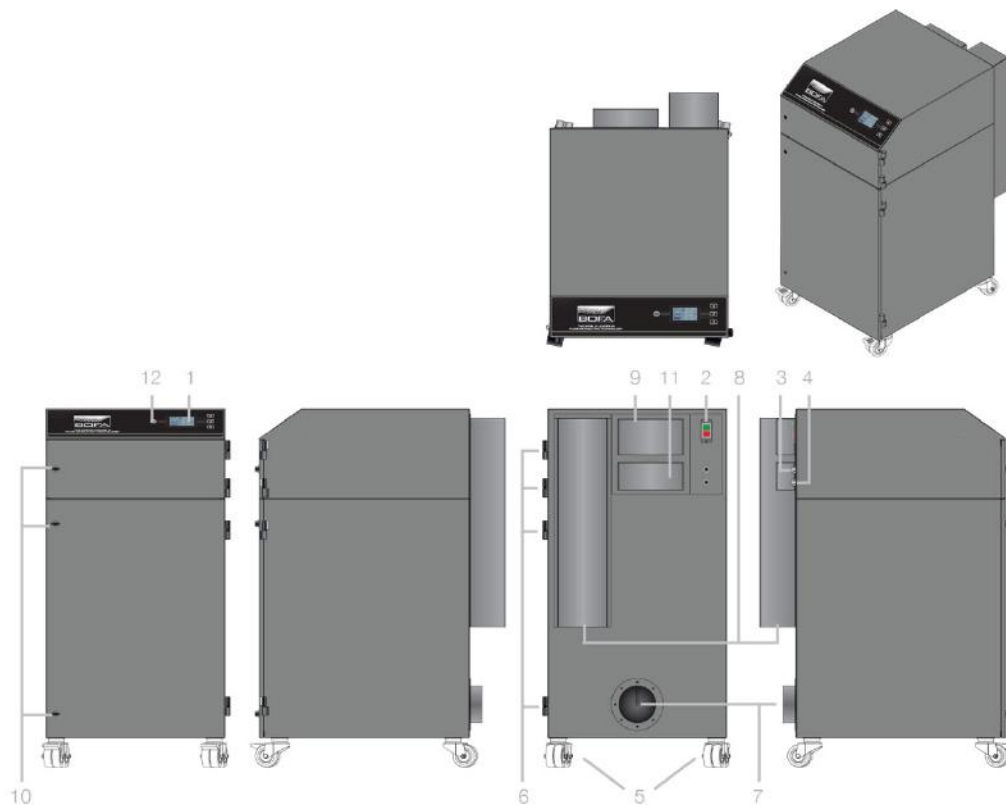
8. Exhaust outlet

9. Motor cooling inlet

10. Door latch

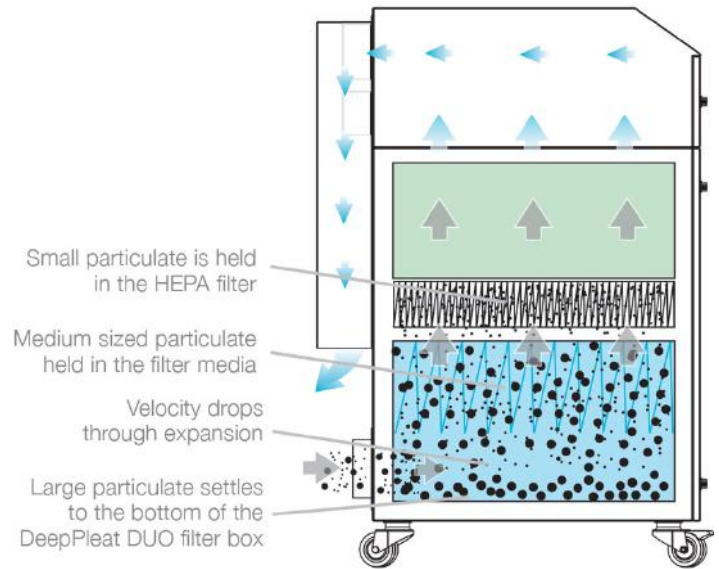
11. Motor cooling outlet

12. Standby button



Airflow through filters

Chemical filter



Technical data

	EU	US
Dimensions (HxWxD)	1205 x 615 x 790mm	47.44 x 24.22 x 31.10"
Cabinet construction	Brushed stainless steel / powder coated mild steel	Brushed stainless steel / powder coated mild steel
Airflow / pressure	850m ³ /hr / 100mbar	500cfm / 100mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 12.8 amps / 2.2kw	115v 60/50Hz Full load current: 19.5 amps / 2.2kw
Noise level	< 75dBA (at typical operating speed)	< 75dBA (at typical operating speed)
Weight	146kgs	322lbs
Approvals	UKCA and CE	cUL, UL*

Deeppleat pre-filter specifications

Surface media area	30m ² approx (322.8 ft ²)
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter Housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	125mm (0.41ft)
Dropout chamber size	58 litres
Filter media pleat size	200mm (0.65ft)

Combined HEPA / gas filter specifications

Surface media area	7.5m ² approx (80.7 ft ²)
HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Filter housing	Zintec mild steel

Combined HEPA / gas filter specifications

Treated activated carbon	34kgs (74.8 lbs)
Filter efficiency	99.997% @ 0.3 microns

Unit part numbers

Model	Voltage	Part no.
PrintPRO 1000 iQ Powder coated	230V	L4362
	115V	L4361

Options

Model	24V stop / start	Filter change / system failure signal	VOC monitoring	On-board compressor
PrintPRO 1000 iQ Powder coated	A2001	A2002	A2003	A2007

Replacement filter part numbers

Model	Part no.	Combined HEPA / gas filter
PrintPRO 1000 iQ	A1030222	A1030304

* 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.*

Think before you print! Please consider the environment before printing this document.



PrintPRO Oracle DS

Fume Extraction System - PrintPRO Range

Datasheet

Technical Specification and Product Information

A system for heavy-duty printing applications.

The PrintPRO Oracle DS fume extraction system is designed to filter fumes generated from dye sublimation printers. With a large filter capacity and high airflow, it's an ideal choice for heavy-duty applications that produce large amounts of particulate and gaseous organic compounds.

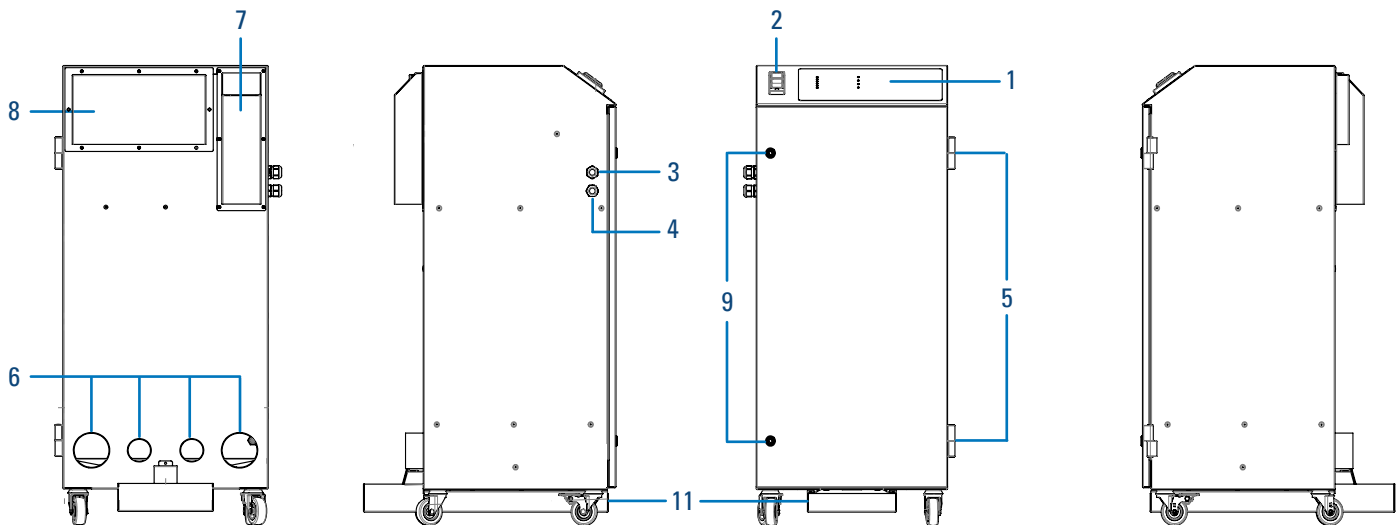
FEATURES

- Long-life, low-cost replacement filters
- High airflow rates
- Automatic fluid drain

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

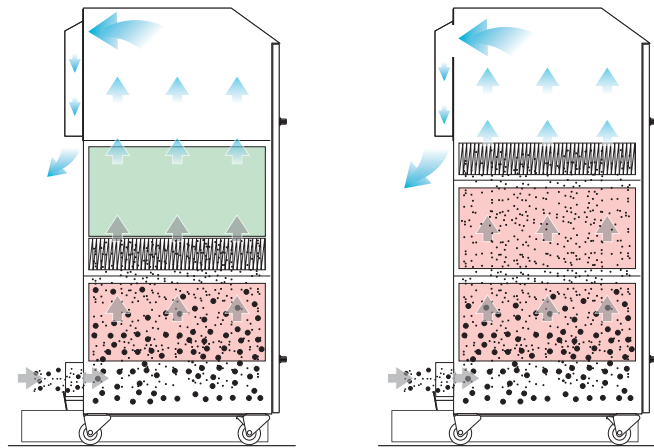
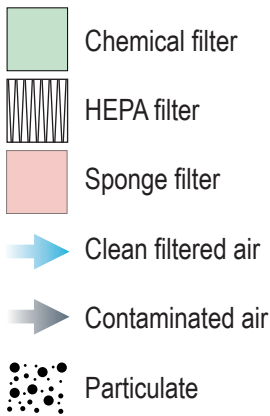


1. Control panel
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 2.0/2.9" (50/75mm)
7. Exhaust outlet
8. Blower cooling inlet
9. Door latches
10. Castors
11. Drain valve

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	223	380	96	37.6 x 17.0 x 18.7	955 x 430 x 475	143	65	< 60	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Hydrophobic HEPA filter	80.7	7.5	99.995% @ 0.3 microns

Model	Foam media
Sponge coalescent filter	58 grade open cell foam

Model	Activated carbon volume
	ltr
Gas filter	22.0

PART NUMBERS - FILTERS

Sponge filter	HEPA filter	Activated carbon filter
1UA1030387	1UA1030220	1UA1030247
1UA1030219 (twin pack)		

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 115-230 V No options	1U30106076-1331

CUSTOMIZATIONS

Options

Power cables
Remote stop/start signal (S/S)
System OK signal (SOK)
VOC sensor
Exhaust spigot

Cabinet construction

Brushed stainless steel

Power cables

Type B
Type E
Type G

Compatible accessories:

AD Cyclone
ILF 300
ILF 600
ILF 1000

* Noise level: At typical operating speed.

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.



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

FS 643451
ISO 9001



Donaldson BOFA

UK & ROW
Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany
Email. bofavertrieb@donaldson.com

USA
Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (December 2025) Donaldson BOFA PrintPRO Oracle DS Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Syntex XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A compact system designed for printing applications.

The PrintPRO Universal fume extraction system is a compact system for printing applications. Its large gas filter is designed to capture a range of solvents generated within printing environments, including MEK, ketones, and vapors from UV applications.

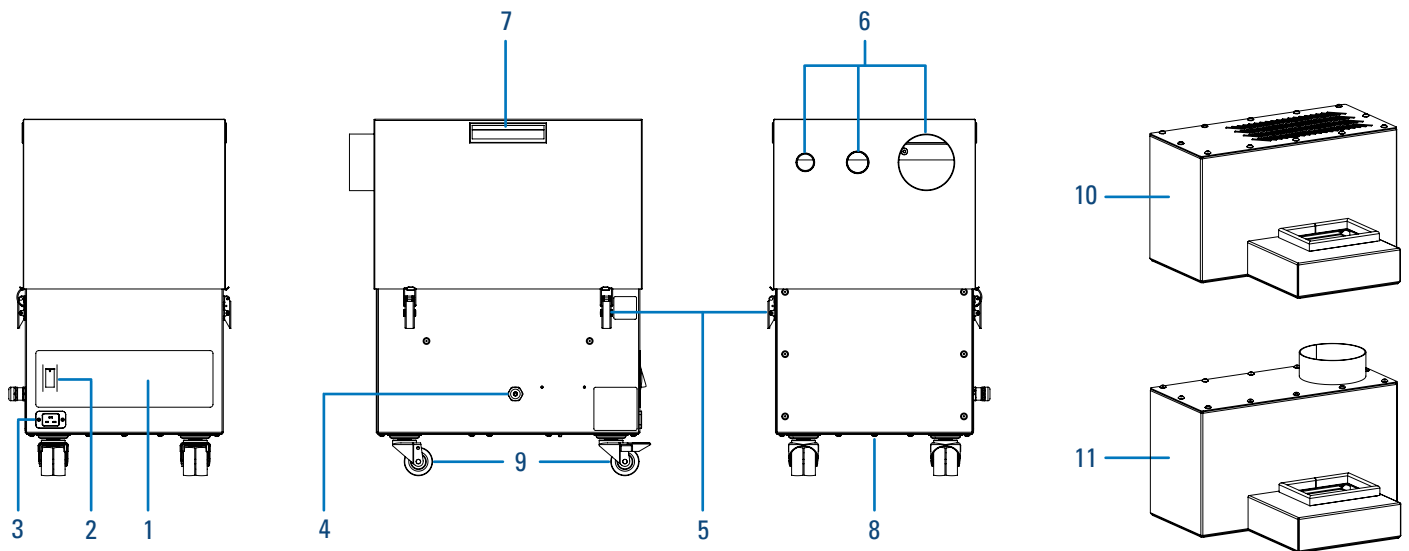
FEATURES

- Low noise level
- Small footprint
- Long-life, low-cost replacement filters
- High airflow rates

Approvals: UKCA and CE | cUL | UL*



TECHNICAL SPECIFICATION

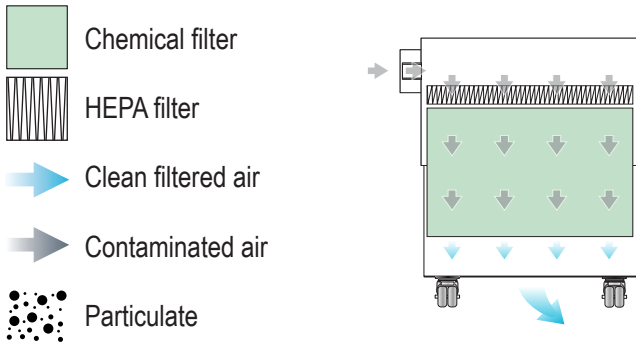


1. Control panel
2. On/off switch
3. Power cable inlet
4. Signal/interface cable (optional)
5. Latches
6. Hose inlet connection - 1.3/1.5/3.9" (32/38/100 mm)
7. Handles
8. Exhaust outlet
9. Castors
10. Silencer box with grille (optional)
11. Silencer box with spigot (optional)

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	223	380	96	24.6 x 15.2 x 20.7	625 x 385 x 525	113	51	< 68	50/60	12.5

AIRFLOW



PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U8107021077-1127
Powder-coated, 115-230 V 24 V S/S and SOK	1U9607021077-1127
Powder-coated, 115-230 V VOC	1U8132021077-1127
Powder-coated, 115-230 V VOC and USA plug	1U9457021077-1127

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
HEPA filter	26.9	2.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	31.2	

PART NUMBERS - FILTERS

Combined filter
1UA1030157

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)
 VOC sensor
 Exhaust spigot
 Silencer box

Cabinet construction

Powder-coated mild steel (EP200541SMLT)

Power cables

Type B
 Type E
 Type G

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

** Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW
 Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany
 Email. bofavertrieb@donaldson.com

USA
 Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

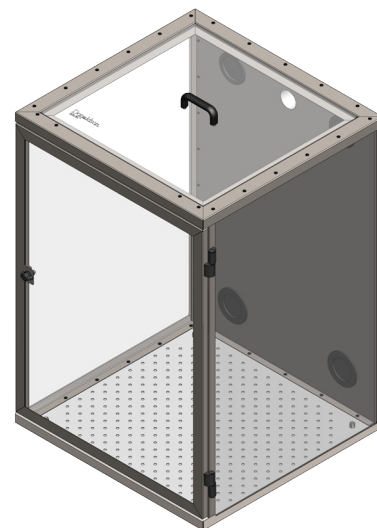
ENG (November 2025) Donaldson BOFA PrintPRO Universal Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A spacious enclosure for 3D printing processes

The Shield is a spacious enclosure designed to work with an extraction system to help reduce potential exposure to nanoparticles and VOCs released during 3D printing processes. It helps to minimize common print issues by shielding against temperature fluctuations caused by drafts from open windows or doors. Available as a standalone enclosure or bundled with selected Donaldson BOFA extraction systems for enhanced air quality management.

FEATURES

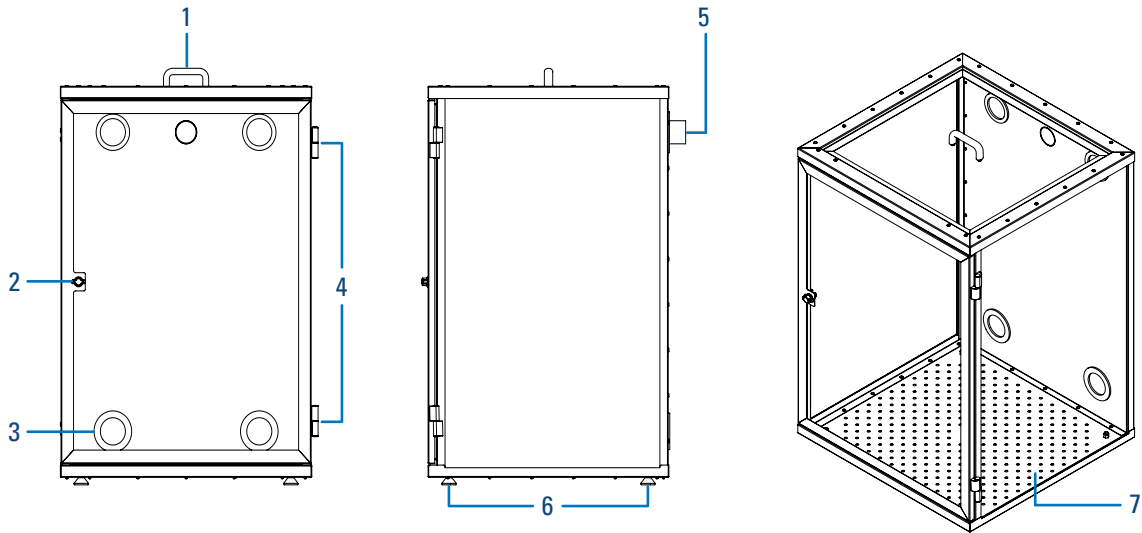
- Dual access points (top and front)
- Easy-to-assemble flat-pack design
- Reduces operational noise
- Helps open-framed printers maintain stable printing temperatures
- Transparent acrylic to allow visibility of print
- Deliberately oversized for easy print removal or consumable replacement without moving the printer
- Fully configurable with multiple feed-through options and adjustable door orientation
- Sturdy, high-quality construction. Powder coated frame with acrylic windows (4 mm thick).



Approvals: CE

TECHNICAL DATA

Dimensions (H x W x D)		Weight (+/- 5%)		Maximum temperature	
in	mm	lbs	kg	Fahrenheit	Celsius
36.2 x 24.2 x 24.7 (+/-0.07)	920 x 616 x 628 (+/- 2)	47.4	21.5	113	45



1. Handle
2. Door lock
3. Cable entry points (x4)
4. Hinges

5. Exhaust outlet 2" (50 mm)
6. Adjustable rubber feet
7. Ambient air inlet

PART NUMBERS

Description	Part number
Shield	1U25378203
Package with Shield, 3D PrintPRO 3 and hose kit	1U32361210
Package with Shield, V 600 and hose kit	1U30821212

PART NUMBERS - SPARES

Description	Part number
Cable entry grommets	1UA1060380
Replacement door locks kit	1UA1060162
Replacement feet	1UA1060030
Plastic molded hinge	1UA1060285
Snap rivets	1UA1060322
Nylon handle	1UA1060324

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (January 2025) Donaldson BOFA SHIELD Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

Spark Arrestor V2

Spark Reduction System

Datasheet

Technical Specification and Product Information

A spark reduction system for laser processes.

The Spark Arrestor V2 is a spark reduction system developed to help reduce fire risks in laser processes. It is designed to prevent potentially damaging particulate from entering the fume extraction system. If the temperature sensor inside the Spark Arrestor V2 detects a 18°F (10°C) rise above the ambient, it will sound an alarm and cut power to the extractor.

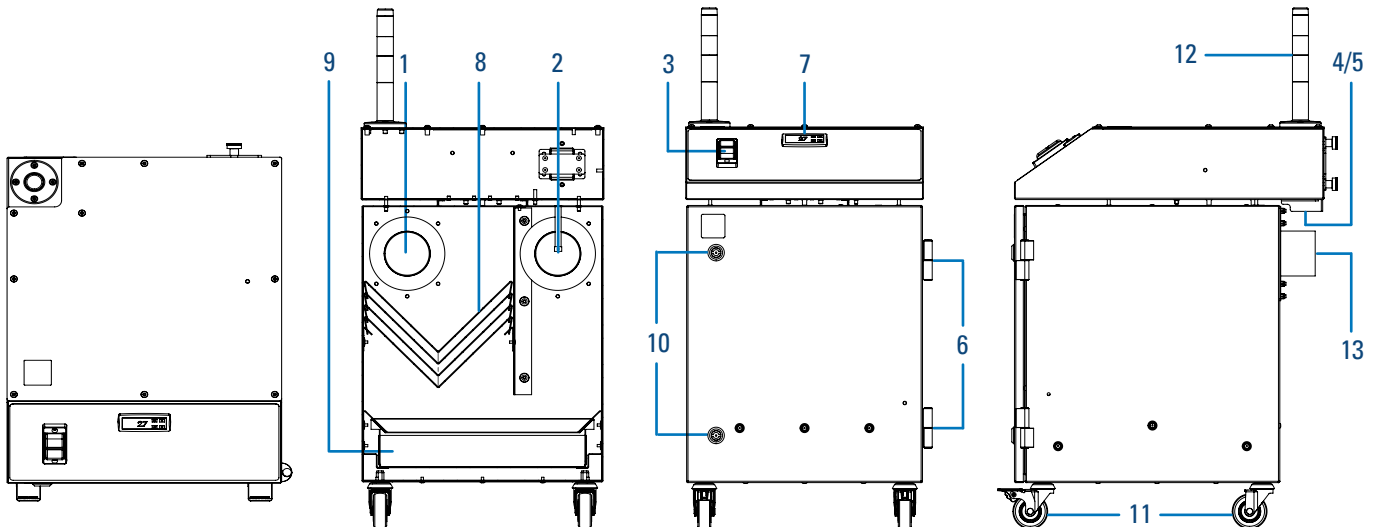
FEATURES

- Reduces fire risk
- Thermal flow cut-out
- Intercepts ignition sources

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

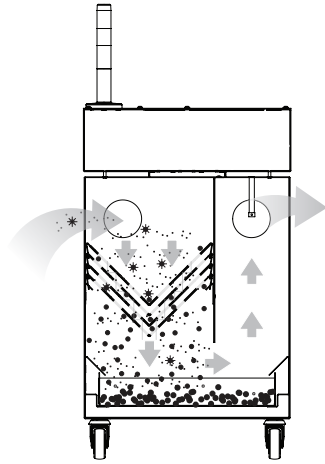
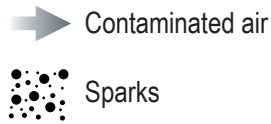


- | | |
|---|------------------------|
| 1. Hose inlet connection - 3.0/4.9" (76.5/125 mm) | 8. Baffle plates |
| 2. Exhaust outlet - 76.5 mm/125 mm | 9. Drop out tray |
| 3. On/off switch | 10. Door latches |
| 4. Power inlet | 11. Castors |
| 5. Power outlet | 12. Warning beacon |
| 6. Door hinges | 13. Temperature sensor |
| 7. Temperature display | |

TECHNICAL DATA

Voltage	Dimensions without beacon (H x W x D)		Dimensions with beacon (H x W x D)		Weight (+/- 5%)		Full load current
	in	mm	in	mm	lbs	kg	
100-230	26.4 x 16.3 x 21.1	670 x 415 x 535	34.3 x 16.3 x 21.1	870 x 415 x 535	90	41	0.5

AIRFLOW



CUSTOMIZATIONS

Options

Power cables
Exhaust spigot

Cabinet construction

Brushed stainless steel

Power cables

Type B
Type E
Type G

*Power module: Required when pairing the Spark Arrestor V2 with the AD 1500 iQ.

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

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 100-230 V 76.5 mm spigot	1U30106163-1924-1
Stainless steel, 100-230 V 125 mm spigot	1U30106163-1924-2
Stainless steel, 100-230 V 76.5 mm and 125 mm spigot	1U30106163-1924-3
Stainless steel, 230 V Power module*	1U50106685
Stainless steel, 115 V Power module - UL**	1U105105685

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (March 2025) Donaldson BOFA Spark Arrestor V2 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Syntex XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

DS-SPARK ARRESTOR V2-BOFA-US V1.1.

A multi-operator extraction system for hand soldering applications

The T 15 extraction system is designed to filter fumes and debris from hand soldering applications with up to 15 operators. Using small bore hoses and attachments, this portable system is ideal for microextraction and other close proximity applications.

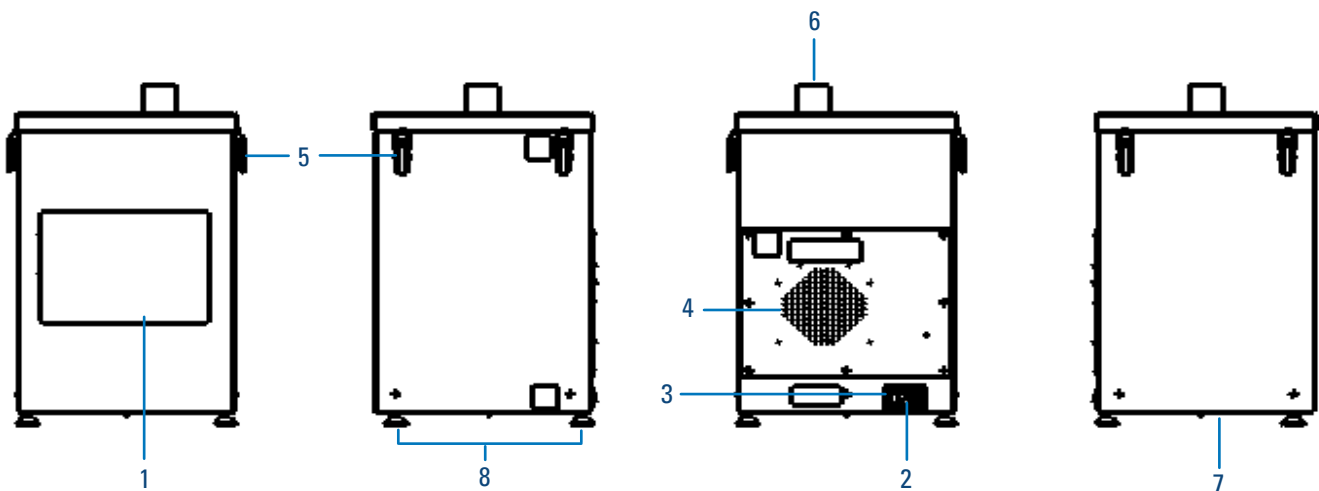
FEATURES

- Compact design
- High vacuum pumps
- Low noise level

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

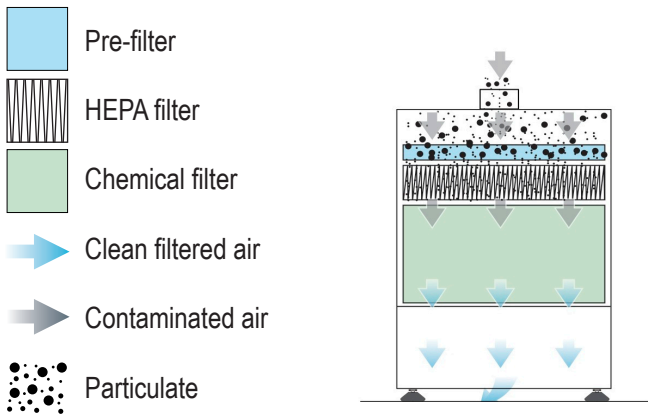


- | | | |
|----------------------|---|-------------------|
| 1. Control panel | 4. Blower cooling inlet | 7. Exhaust outlet |
| 2. On/off switch | 5. Filter compartment latches | 8. Feet |
| 3. Power cable inlet | 6. Hose inlet connection - 2.0" (50 mm) | |

TECHNICAL DATA

Voltage	Airflow	Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
			in	mm	lbs	kg			
115	22	100	22.6 x 14.5 x 13.4	575 x 370 x 340	65	29	< 65	50/60	6
230									2.7

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter	0.7	0.1	F7 (85% @ 0.8 microns)
Combined filter (HEPA)	14.1	1.3	99.995% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	2.2	1

PART NUMBERS - FILTERS

Pre-filter	Combined filter
1UA1030095	1UA1030094

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30766581-1454
Powder-coated, 230 V No options, USA plug	1U10765581-1454

CUSTOMIZATIONS

Options

Power cables

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
Type E
Type G

* Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (April 2025) Donaldson BOFA T 15 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Syntaq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

A temperature control unit for solder paste printing.

The TCU has been designed specifically for solder paste printing. Using cooling and heating elements, it maintains the temperature within the printing environment for optimum paste performance.

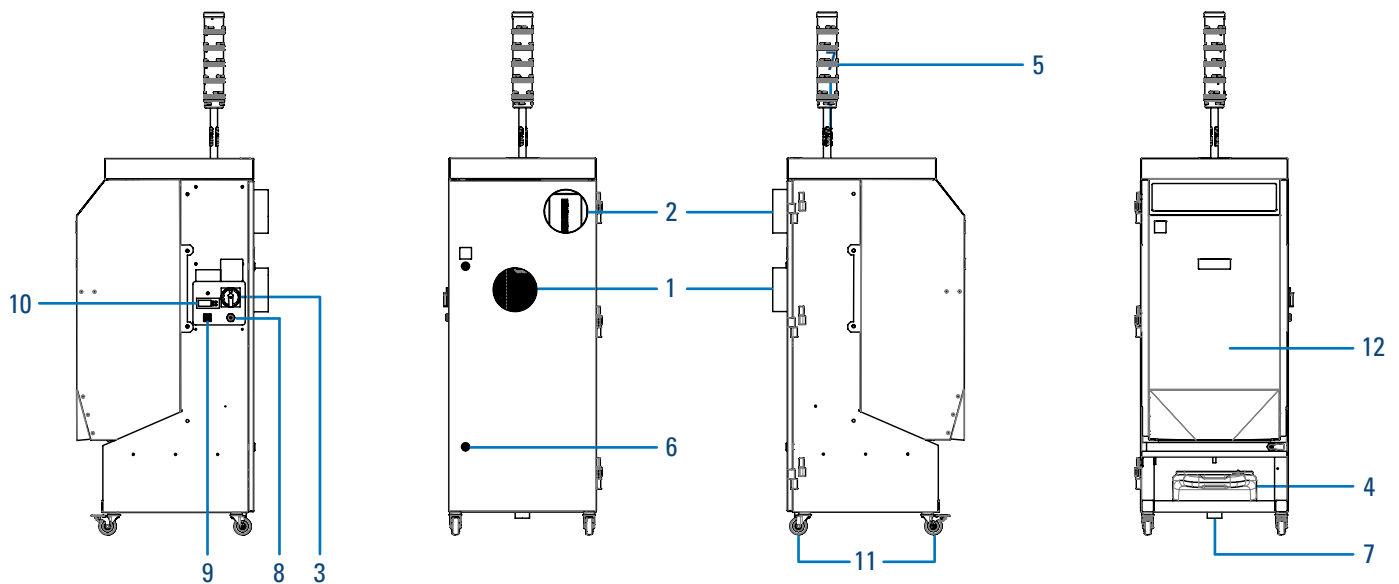
FEATURES

- Small footprint
- Programmable temperature range
- Condensate collection container

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

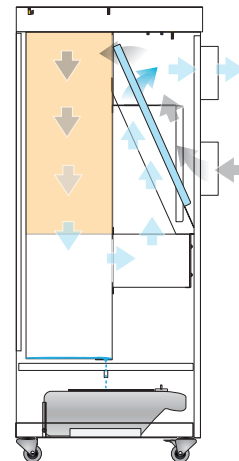
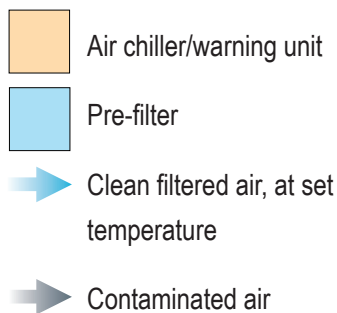


- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Air inlet 2. Air outlet 3. On/off switch 4. Condensate collection container 5. Beacon 6. Service door lock | <ol style="list-style-type: none"> 7. Fail style condensate sensor 8. Mains cable inlet 9. Signal cable inlet 10. PID controller 11. Castors 12. Chiller module |
|--|---|

TECHNICAL DATA

Process temperature range	+/- 46 °F (8°C) of ambient within a programmable range of 66 °F (19°C) to 86 °F (30°C)
Process temperature control	+/- 34 °F (1°C)
Air delivery system	Recirculating
Cooling capacity	2000 W
Temperature sensor	0-10 VDC 32-122 °F (0-50°C) shared output from printer sensor
Refrigerant gas	R134a/0.75 kg
Electrical supply	230 V +/- 10%
Full load current	12.6 A
Start-up current	20 A
Frequency	50/60 Hz
Power supply cables	L= Brown, N= Blue, E= Green/Yellow
Noise level*	< 75 dB(A)
Weight	220 lbs (100 kg)
Condensate	Collected in a 1.1 gallon (5 litre) container for disposal or diverted directly to a drainage system where available

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)	
	ft ²	m ²
Pre-filter	8.93	0.83

PART NUMBERS - FILTERS

Pre-filter
1UA1030305

Dimensions** (H x W x D)

in	mm
68.3 x 21.3 x 26.4	1735 x 540 x 670

PART NUMBERS - SYSTEM

Description	Part number
Temperature Control Unit (TCU) 230 V	1U2310-100

* Noise level: At typical operating speed.

** Height including beacon

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (November 2025) Donaldson BOFA TCU Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

V 200

Last Updated on 24.03.2022



Single arm fume extraction system for electronics hand soldering processes.

BOFA's V 200 extraction unit has been designed to capture the fumes generated during hand soldering tasks. This portable system comes complete with an extraction arm and installation kit that contain everything required to set up one operator.

With a choice of arms, low noise levels and fast and easy installation, this unit can be moved with the workbench when factory layouts need changing due to production demands. The unit's fully comprehensive three-stage filtration capabilities make it perfect for today's electronics manufacturing environments.

Technology



HEPA filter



Advanced carbon filter (ACF) technology



ProTECT service plan



SureCHECK quality standard

Key features of the V 200

Filter blocked indicator
Standard

99.997% HEPA filtration
Standard

Single 1.4m extraction arm
Optional

Granulated carbon gas filter (ACF) technology
Standard

1 x table mount installation kit and extraction arm
Optional

Selection of arms
Optional

Technical specification

1. Filter condition display light

2. On / off switch

3. Hose inlet connection -
50mm

4. Exhaust outlet

5. Power cable inlet

6. Lid latches

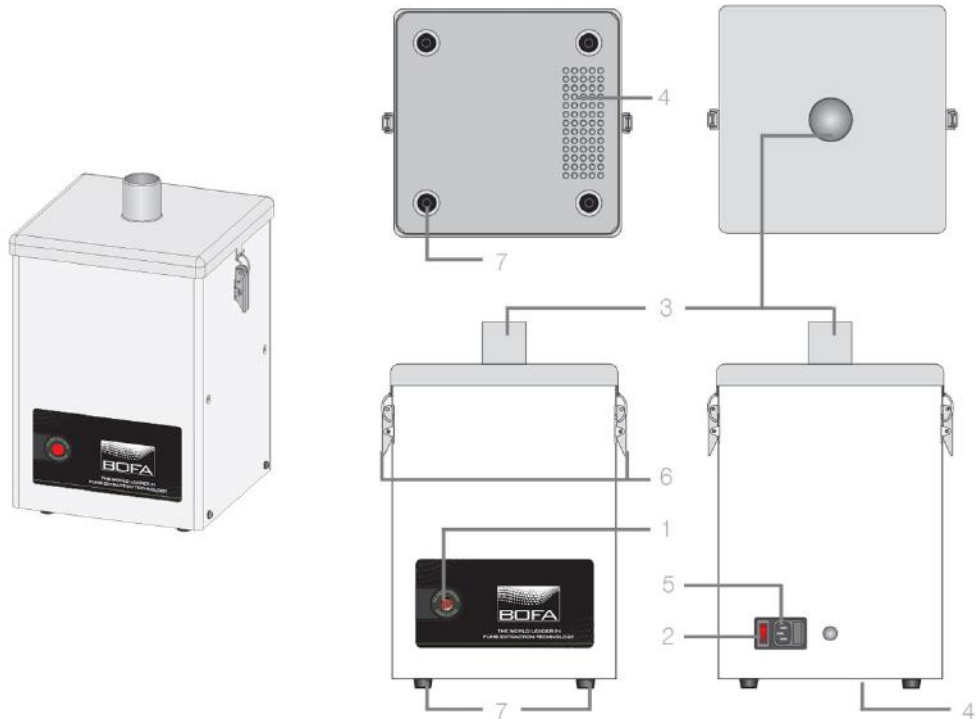
7. Feet

Contact BOFA at www.donaldsonbofa.com/contact/







www.donaldsonbofa.com/fume-extraction-systems/v-200/

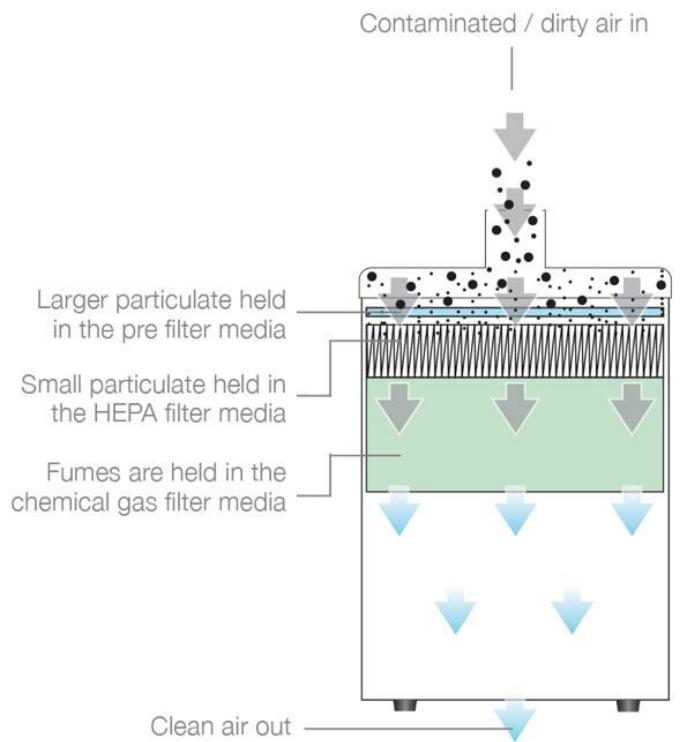


Approvals: REACH and RoHS. See individual product technical data for specific accreditations



Airflow through filters

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



Technical data

	EU	US
Dimensions (HxWxD)	420 x 290 x 270mm	16.54 x 11.42 x 10.63"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	90m ³ /hr / 20mbar	53cfm / 20mbar

Technical data

Electrical data	230v single-phase 1~ 50/60Hz Full load current: 0.45 amps / 90w	115v 60/50Hz Full load current: 0.85 amps / 107w
Noise level	< 54dBA (at typical operating speed)	< 54dBA (at typical operating speed)
Weight	10kg	22lbs
Duct size	50mm	2"
Max duct run	3mtrs	9.8ft
Approvals	UKCA and CE	UKCA and CE

Pre-filter specifications

Filter media	Polypropylene
Filter media construction	Pad
Filter efficiency	F7 (96% @ 2 microns)

Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Gas filter	Treated activated carbon
Filter housing	Zintec mild steel
Filter efficiency	9.997% @ 0.3 microns

Unit part numbers

Model	Option	Voltage	Part number
V 200 powder coated	Unit only (no install kit)	230V	E0742A0001
V 200 powder coated	Unit only (no install kit)	115V	E0741A0001
V 200 powder coated	Table mount installation kit and extraction arm	230V	E0742A0000
V 200 powder coated	Table mount installation kit and extraction arm	115V	E0741A0000
V 200 powder coated	Single 1.4m extraction arm	230V	E0742A0002
V 200 powder coated	Single 1.4m extraction arm	115V	E0741A0002

Replacement filters

Description	Part number
Pre-filter (Pack of 5)	A1030102
Combined filter	A1030099

Unit options



Single arm volume extraction unit designed to extract fumes for one operator. Ideal for factories with changing demands and production layout changes.

1 - Unit only	2 - Table mount installation kit and extraction arm	3 - Single 1.4m extraction arm
Filter blocked Indicator	50mm x 650mm ESD stay put extraction arm	50mm x 1.4m ESD stay put extraction arm
Granulated carbon gas filter - ACF	Unique flip top flush sealing mounting plate	Filter blocked Indicator
99.997% HEPA filtration	Installation flex and table bracket	Granulated carbon gas filter - ACF
	Filter blocked Indicator	99.997% HEPA filtration
	Granulated carbon gas filter - ACF	
	99.997% HEPA filtration	

Arm accessories



Arm accessories

Number reference to photo	Description	Part number
1	32mm ESD stay put arm with funnel	A1020044
2	32mm ESD stay put arm with nozzle	A1020046
3	50mm ESD stay put arm with funnel	A1020045
4	50mm ESD stay put arm with nozzle	A1020047
5	50mm ESD stay put arm with slot	A1020049
6	38mm stainless steel stay put arm with nozzle	A1020160
7	38mm stainless steel stay put arm with funnel	A1020184
8	50mm ESD stay put arm with plenum funnel	A1020179
9	Light arm - white	A1020168
10	Light arm - black	A1020169

Replacement unit mounted arm

Number reference to photo	Description	Part number
11	Replacement arm - 50mm x 1.4m arm with nozzle (unit mounted)	A1020331

Unit / arm accessory hose kit

Number reference to photo	Description	Part number
12	50mm arm installation kit without arm	A1020177

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.*

Think before you print! Please consider the environment before printing this document.



A dual-arm extraction system for soldering applications.

The V 250 is a dual-arm, portable solder fume extraction system. It comes complete with two extraction arms and an easy-to-follow installation kit containing everything required to set up two operators with ease. The minimal installation allows for convenient relocation when factory layouts change.

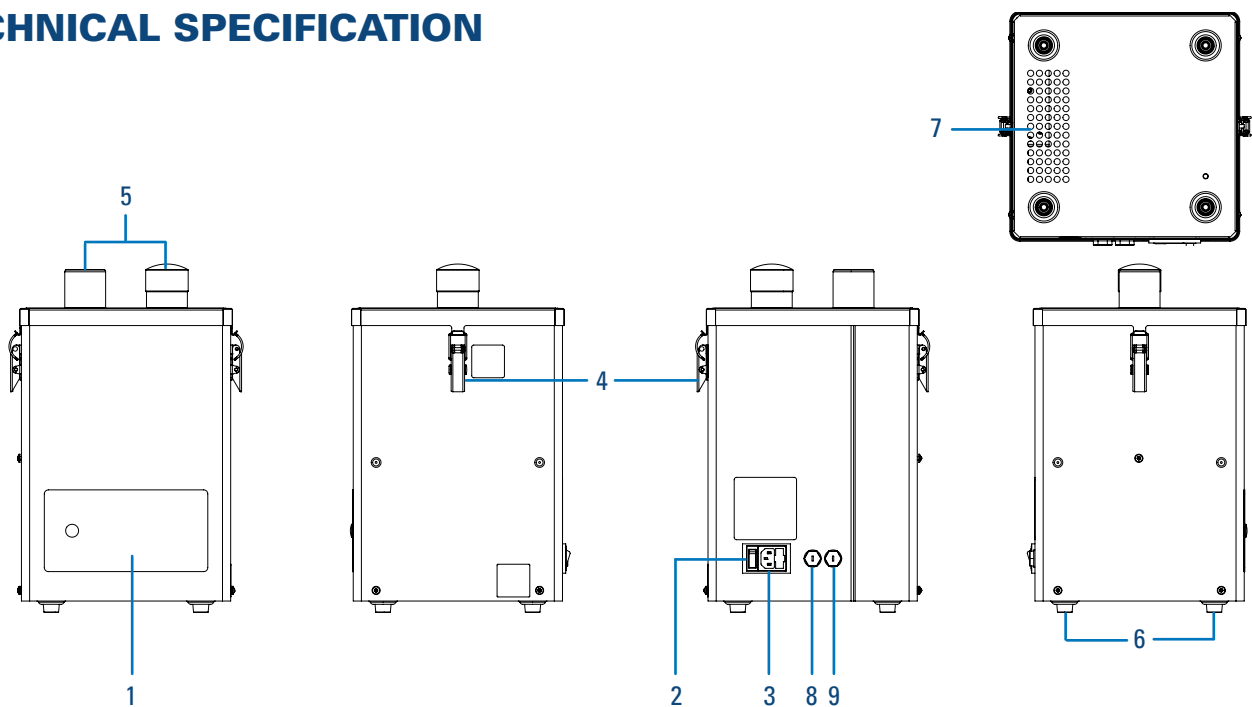
FEATURES

- Simple installation
- Portable

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

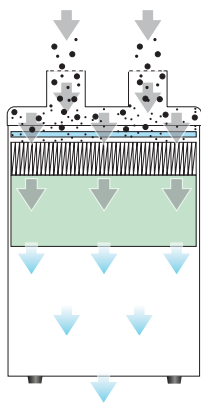
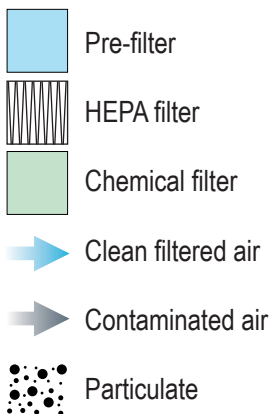


- | | | |
|----------------------|---|-------------------------------|
| 1. Control panel | 4. Clips | 7. Exhaust outlet |
| 2. On/off switch | 5. Hose inlet connection - 2.0" (50 mm) | 8. Remote speed control inlet |
| 3. Power cable inlet | 6. Feet | 9. Signal cable inlet |

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	cfm	m ³ /hr		in	mm	lbs	kg			
115	106	180	30	16.5 x 11.4 x 10.6	420 x 290 x 270	22	10	< 61	50	1.1
230										

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter pad	0.6	0.06	96% @ 2 microns
Combined filter (HEPA)	16.1	1.5	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	3.0	

PART NUMBERS - FILTERS

Pre-filter pad (pack of 5)	Combined filter	Double gas filter
1UA1030102	1UA1030099	1UA1030100

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30351595-1209-7
Powder-coated, 230 V Installation kit	1U30351595-1209-4
Powder-coated, 230 V Installation kit and funnels	1U30351595-1209-8
Powder-coated, 230 V MEK filter	1U4665630351596-1209-01
Powder-coated, 230 V with FumeCAB 250	1U30351595-1287
Powder-coated, 230 V VAS	1U583230351595-1210-4
Powder-coated, 230 V VAS and installation kit	1U583230351595-1210-1
Powder-coated, 230 V VAS and MEK filter	1U5256930851596-1210
Powder-coated, 115 V USA plug and installation kit	1U10350595-1209

CUSTOMIZATIONS

Options

Power cables
Installation kit
Variable airflow speed (VAS)

Cabinet construction

Powder-coated mild steel (RAL9016)

Power cables

Type B
Type E
Type G

* Noise level: At typical operating speed.

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.



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

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
Email. bofasales@donaldson.com
Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
Email. bofasalesus@donaldson.com

ENG (September 2025) Donaldson BOFA V 250 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflow, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

DS-V 250-BOFA-US V1.1.

A fume extraction system for electronics applications.

The V 600 fume extraction system is designed to filter fume from soldering and various electronics applications. It features a long-lasting filter, high airflow rates, and the capacity to support up to seven operators.

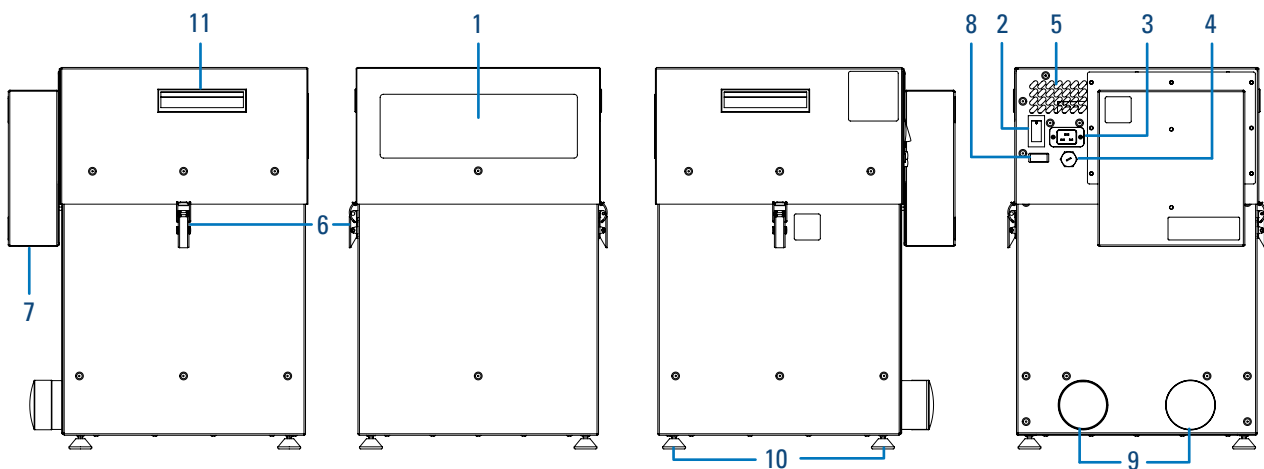
FEATURES

- Long-life, low-cost replacement filters
- High airflow rates
- Built-in silencing

Approvals: UKCA and CE



TECHNICAL SPECIFICATION

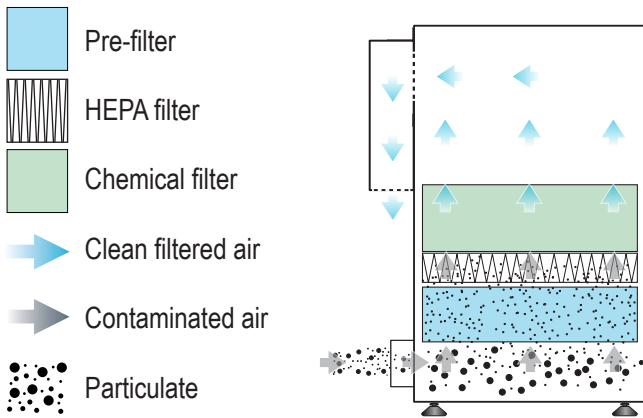


- | | |
|---------------------------|---|
| 1. Control panel | 7. Exhaust outlet |
| 2. On/off switch | 8. Override switch |
| 3. Power cable inlet | 9. Hose inlet connection - 2.9" (75 mm) |
| 4. Signal/interface cable | 10. Feet |
| 5. Blower cooling inlet | 11. Handles |
| 6. Clips | |

TECHNICAL DATA

Voltage	Airflow		Pressure	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level*	Frequency	Full load current
	cfm	m ³ /hr		in	mm	lbs	kg			
115-230	206	350	96	23.2 x 14.8 x 18.3	590 x 375 x 465	77	35	< 60	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
DeepPleat pre-filter	62.4	5.8	95% @ 0.9 microns
Combined filter (HEPA)	34.4	3.2	99.995% @ 0.3 microns

Model	Activated carbon volume
	ltr
Combined filter (gas)	12.8

PART NUMBERS - FILTERS

DeepPleat pre-filter	Combined filter
1UA1030119	1UA1030118

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 115-230 V No options	1U30766101-1238-1
Powder-coated, 115-230 V 24 V S/S, SOK and O/R	1U4680766101-1238

CUSTOMIZATIONS

Options

Power cables
 Remote stop/start signal (S/S)
 System OK signal (SOK)
 Override (O/R)
 Exhaust box/exhaust spigot

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Type B
 Type E
 Type G

Compatible accessories:

ILF 300
 ILF 600
 ILF 1000

* Noise level: At typical operating speed.

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.



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



Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

ENG (October 2025) Donaldson BOFA V 600 Datasheet. ©2011-2025 Donaldson Company, Inc. Donaldson, Torit, Dalamatic, Delta P, Delta P Plus, Downflo, Dura-Life, Easy Duct, PowerCore, Synteq XP, Ultra-Web, Unimaster and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.