

# 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.

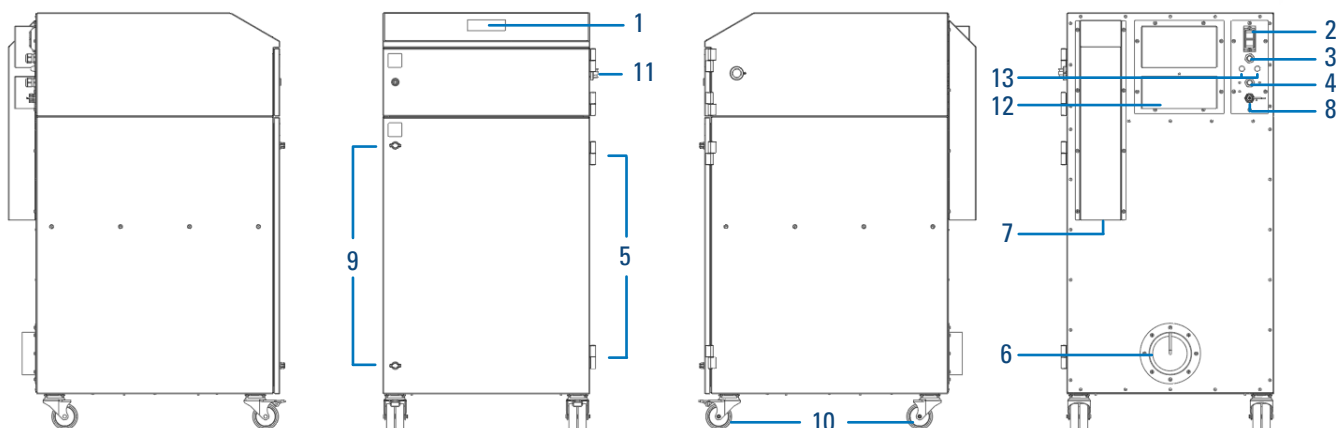
### FEATURES

- 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

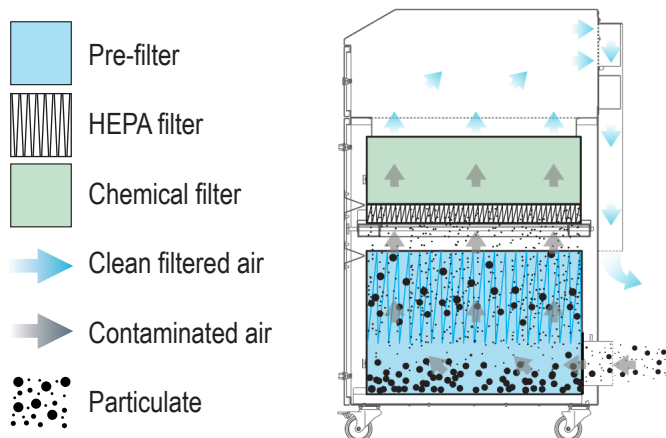


1. Touchscreen display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 4.92" (125 mm)
7. Exhaust outlet
8. RJ45 ethernet port\*\*
9. Door latches
10. Castors
11. USB port
12. Blower cooling outlet
13. Overcurrent trips (115 V only)

### TECHNICAL DATA

| Voltage | Unrestricted airflow***<br>(+/- 10%) |     | Settable airflow range**** |         | Pressure<br>(+/- 6%) | Dimensions<br>(H x W x D) |                  | Weight<br>(+/- 5%) |     | Noise level***** | Frequency | Full load current |
|---------|--------------------------------------|-----|----------------------------|---------|----------------------|---------------------------|------------------|--------------------|-----|------------------|-----------|-------------------|
|         | V                                    | cfm | m³/hr                      | cfm     | m³/hr                | mbar                      | in               | mm                 | lbs | kg               | dB(A)     | Hz                |
| 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                   |                           |                  |                    |     |                  | 50        | 12.8              |

## AIRFLOW



## PART NUMBERS - SYSTEM

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

## FILTER SPECIFICATIONS

| Model                    | Surface media area (approx) |     | Filter efficiency     |
|--------------------------|-----------------------------|-----|-----------------------|
|                          | ft²                         | m²  |                       |
| 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.

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BOFA™

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