

## 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.

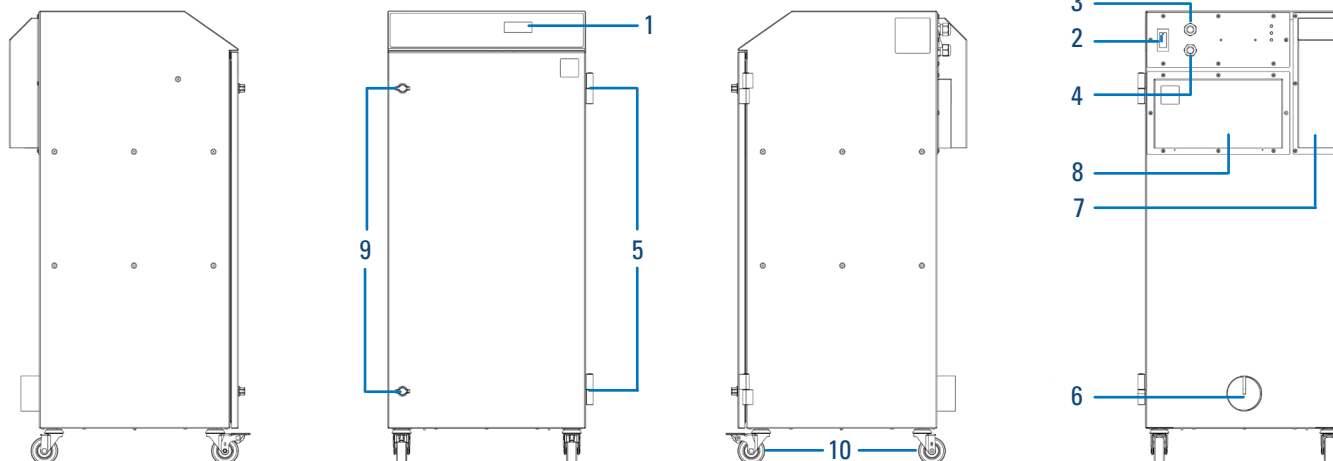
### FEATURES

- 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

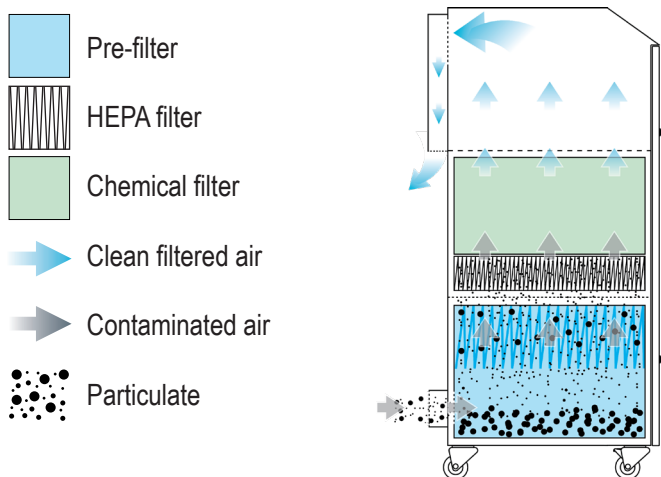


1. iQ display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 2.9" (75mm)
7. Exhaust outlet
8. Blower cooling inlet
9. Door latches
10. Castors

### TECHNICAL DATA

| Voltage | Unrestricted airflow**<br>(+/- 10%) |     | Settable airflow range*** |         | Pressure<br>(+/- 10%) | 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                |
| 115-230 | 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<br>No options                          | 1U30811022-1275   |
| Powder-coated, 115-230 V<br>24 V S/S, SOK                       | 1U630811022-1275  |
| Stainless steel, 115-230 V<br>No options                        | 1U30106022-1275   |
| Stainless steel, 115-230 V<br>24 V S/S, SOK, O/R, and VOC       | 1U8730106022-1275 |
| Stainless steel, 115-230 V<br>O/R, USA plug                     | 1U4060106022-1275 |
| Stainless steel, 115-230 B<br>24 V S/S, SOK, O/R, SHK, USA plug | 1U4660106022-1275 |

## FILTER SPECIFICATIONS

| Model                    | Surface media area<br>(approx) |    | Filter efficiency       |
|--------------------------|--------------------------------|----|-------------------------|
|                          | ft²                            | m² |                         |
| DeepPleat DUO pre-filter | 129.1                          | 12 | F8<br>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.

FS 643451  
ISO 9001

Donaldson  
BOFA™

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