

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.

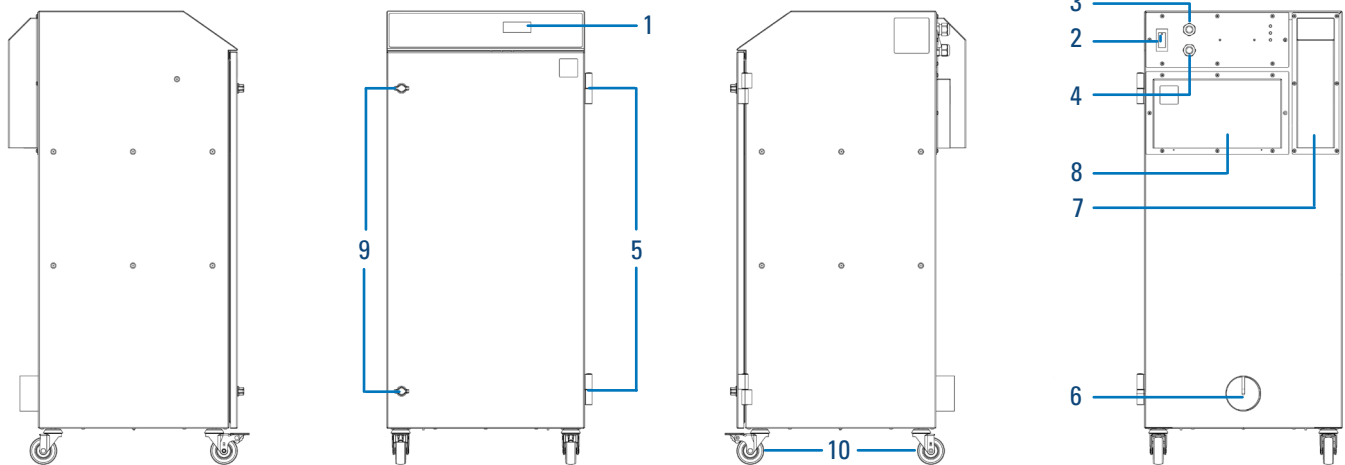
FEATURES

- 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

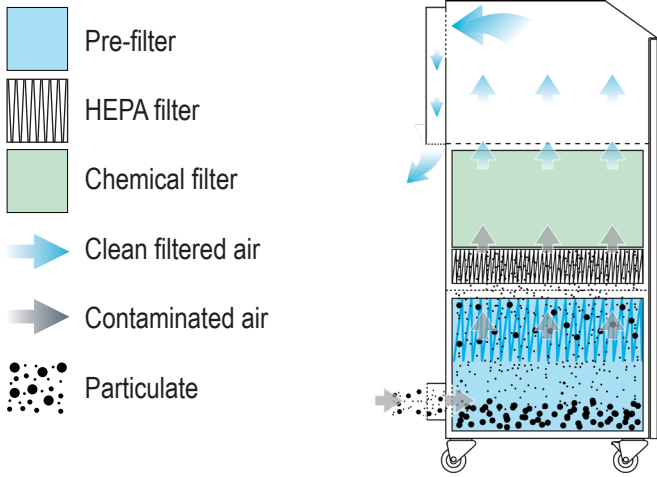


1. iQ display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 2.9" (75mm)
7. Exhaust outlet
8. Blower cooling inlet
9. Door latches
10. Castors

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	ePM1 70%
Combined filter (HEPA)	49.5	4.6	99.995% @ 0.3 microns

Model	Activated carbon volume	
	ltr	
Combined filter (gas)	15.5	

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.



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