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.

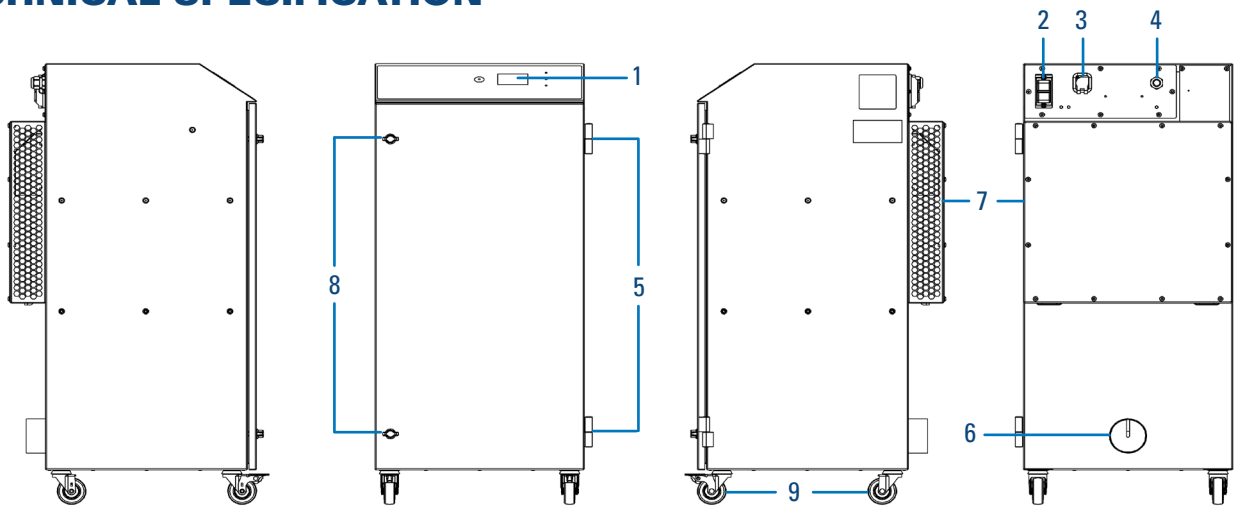
The AD Oracle iQ W3 is a W3 certified welding fume extraction system capable of filtering 99% of welding fumes. Designed for efficiency and performance, it combines multiple advanced features into one powerful system.

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



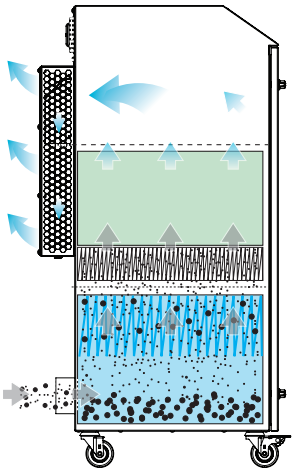
1. iQ display
2. On/off switch
3. Power cable inlet
4. Signal/interface cable inlet
5. Door hinges
6. Hose inlet connection - 2.9" (75mm)
7. Exhaust outlet
8. Door latches
9. Castors

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	lbs	kg	dB(A)	Hz	amps
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

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



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.

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft²	m²	
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

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.

Datasheet correct at time of publishing. Where applicable, the carbon used in Donaldson BOFA systems is capable of removing a wide range of VOCs, however it is the responsibility of the user to ensure the carbon is suitable for their application. For specific applications, please contact us for details.

Important Notice
Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

bsi. ISO 9001 Quality Management
FS 643451
ISO 9001

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

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