

AD 1500 iQ Dual Arms

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

A mobile dual-arm system for heavy-duty laser applications.

The AD 1500 iQ Dual Arms is a powerful, mobile fume extraction system designed for heavy-duty laser applications. Building upon the established AD 1500 iQ extraction system, it features dual articulated arms with a reach of over 6 feet (2 metres)* and an integrated spark arrestor for enhanced safety and performance.

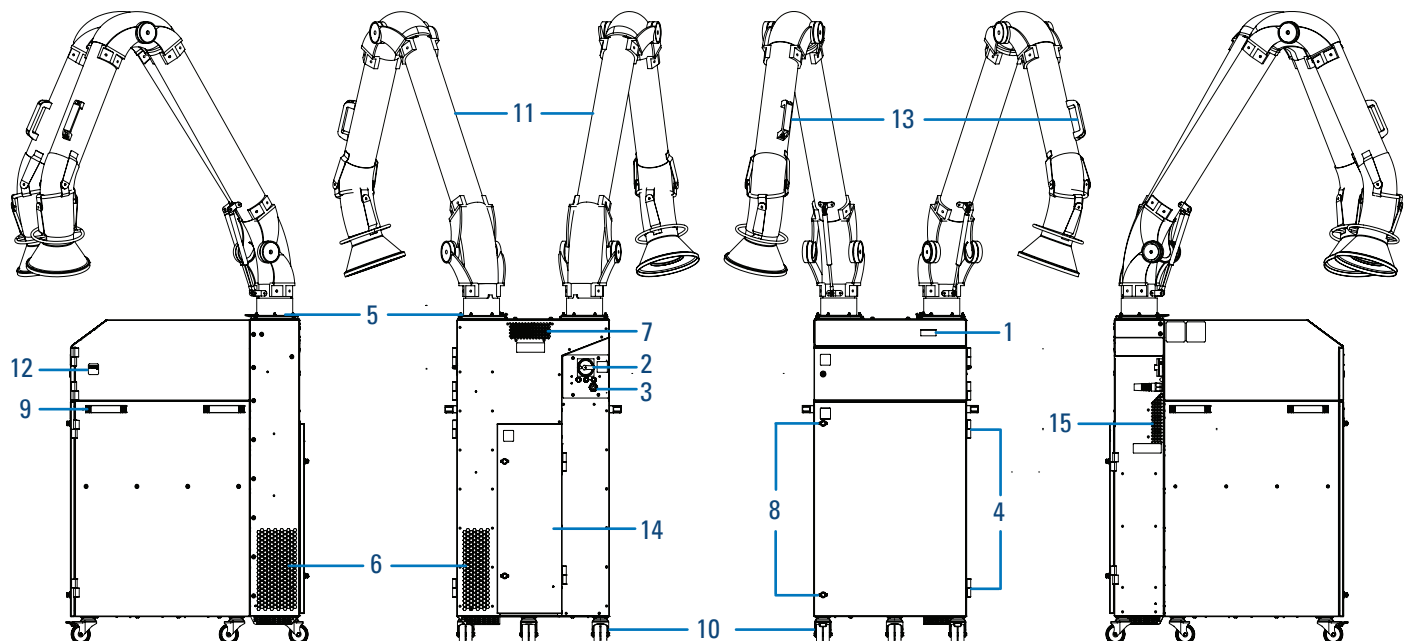
FEATURES

- Dual articulated arms
- Integrated spark arrestor
- Real-time airflow reading
- Independent filter condition monitoring
- High contrast display
- Remote diagnostics via USB
- Long-life, low-cost replacement filters
- Extended exhaust box to help reduce noise and air dispersion
- Adjustable arm valves for precise airflow control



Approvals: UKCA and CE

TECHNICAL SPECIFICATION









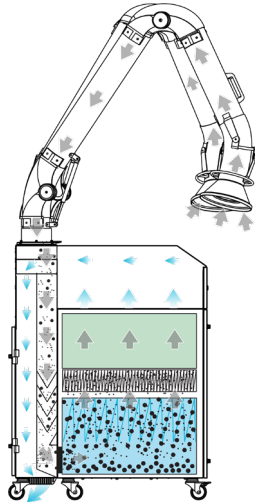
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|--|-------------------------|-----------------------------------|
| 1. iQ display | 6. Exhaust outlet | 11. Extraction system arms |
| 2. On/off switch | 7. Blower cooling inlet | 12. USB port |
| 3. Power cable | 8. Door latches | 13. Extraction system arm handles |
| 4. Door hinges | 9. System handles | 14. Spark arrestor chamber |
| 5. Extraction system arm inlet spigots | 10. Castors | 15. Blower cooling outlet |

TECHNICAL DATA

Voltage	Settable 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			
415 3 ph	294-677	500-1150	86	47.4 x 27.2 x 37.5	1205 x 692 x 952	529	240	< 80	50/60	8.5 Ph / 14.5 A N

AIRFLOW

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



PART NUMBERS - FILTERS

DeepPleat DUO pre-filter	Combined filter
1UA1030222	1UA1030297

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 415 V No options	1U45812198-2181-EU

CONFIGURATION

Cabinet construction

Powder-coated mild steel (RAL7016)

Power cables

Commando plug (415 V)

Compatible accessories:

Spark arrestor included as standard

* Arms are fixed to rotate no more than 180°.

** Weight including arms and filters.

***Noise level: At typical operating speed.

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	

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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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

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