Donaldson
BOFA™

AD 500 iQ
Fume Extraction System - Advantage Range

Datasheet
Technical Specification and Product Information

A system for medium-duty laser applications.

The AD 500 iQ fume extraction system is ideal for medium-duty applications that produce significant amounts of particulate. It offers a large filter capacity along with high airflow and pressure rates.
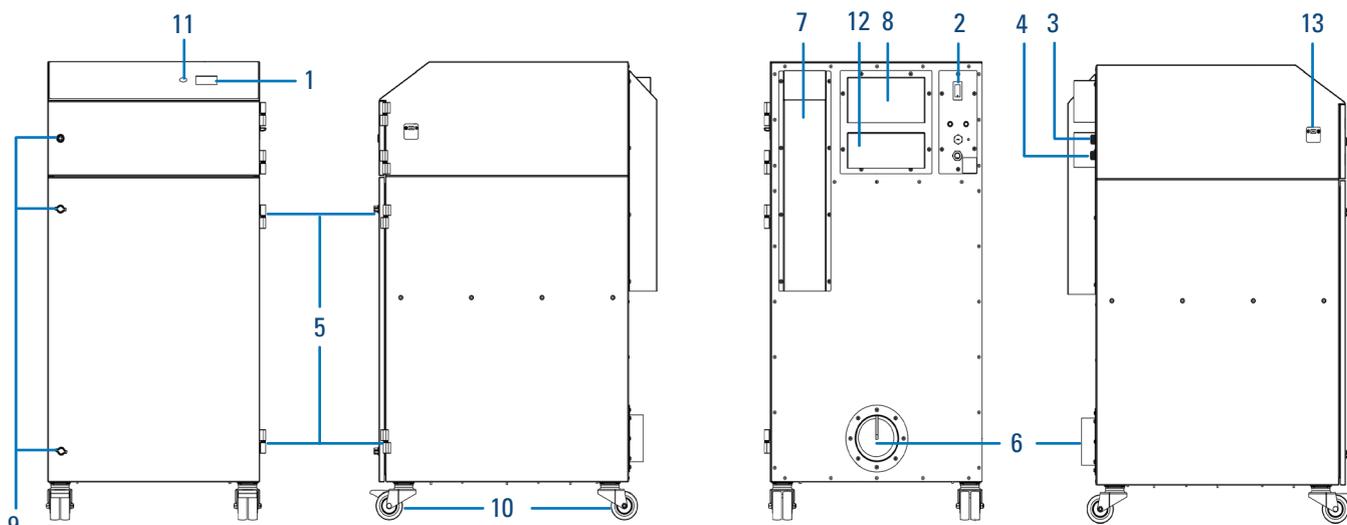
FEATURES

- Real-time airflow reading
- Independent filter condition monitoring
- High contrast display
- Remote diagnostics via USB
- Long-life, low-cost replacement filters

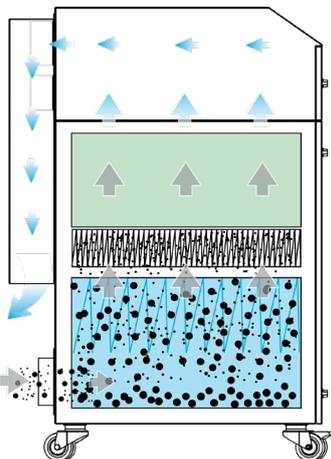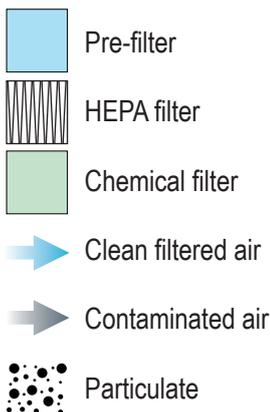Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

1. iQ display
2. On/off switch
3. Power cable
4. Signal/interface cable
5. Door hinges
6. Hose inlet connection - 4.92" (125 mm)
7. Exhaust outlet
8. Blower cooling inlet
9. Door latches
10. Castors
11. Standby button
12. Blower cooling outlet
13. USB port

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
V	cfm	m³/hr	mbar	in	mm	lbs	kg	dB(A)	Hz	amps
115	324	550	100	47.4 x 24.4 x 31.1	1205 x 620 x 790	292	142	< 60	50/60	14.8
230										9.5

AIRFLOW

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

FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft²	m²	
DeepPleat DUO pre-filter	322.8	30	F8 50% @ 0.3 microns
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

PART NUMBERS - SYSTEM

Description	Part number
Powder-coated, 230 V No options	1U30811511-1419
Powder-coated, 230 V SOK	1U630811511-1419
Powder-coated, 230 V 24 V S/S, SOK and O/R	1U4680851511-1419
Powder-coated, 115 V No options	1U10810511-1419
Powder-coated, 115 V 24 V S/S, SOK and O/R	1U4660810511-1419
Stainless steel, 230 V No options	1U30106511-1419

CUSTOMIZATIONS

Options

Power cables
Remote stop/start signal (S/S)
System OK signal (SOK)
Override (O/R)
VOC sensor
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
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.

** Noise level: At typical operating speed.

bsi. ISO 9001 Quality Management
FS 643451
ISO 9001

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

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