BOFA™
A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD Universal

The compact system designed for small scale industrial environments and light laser coding applications.

The AD Universal fume extraction and filtration system has been designed to provide cost-effective solutions for light to medium duty applications. These compact systems are ideal for small scale industrial environments and light laser coding applications.

Technology

DeepPleat pre-filter

HEPA filter

Advanced carbon filter (ACF) technology

Multi voltage sensing (MVS) unit

ProTECT service plan

SureCHECK quality standard

Key features of the AD Universal

Digital speed control
Standard

Long life, low cost replacement filters
Standard

Advanced carbon filter (ACF) technology
Standard

Low noise levels
Standard

Remote stop / start interface
Optional

Filter condition indicator
Standard

DeepPleat pre-filter
Standard

Small footprint
Standard

VOC gas sensor (Volatile Organic Compound)
Optional

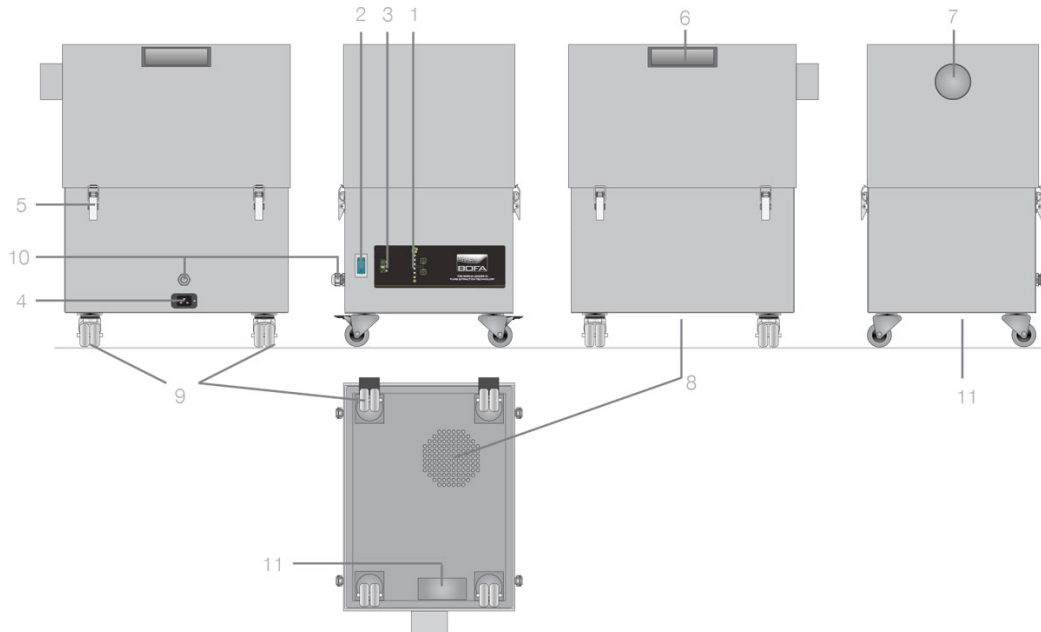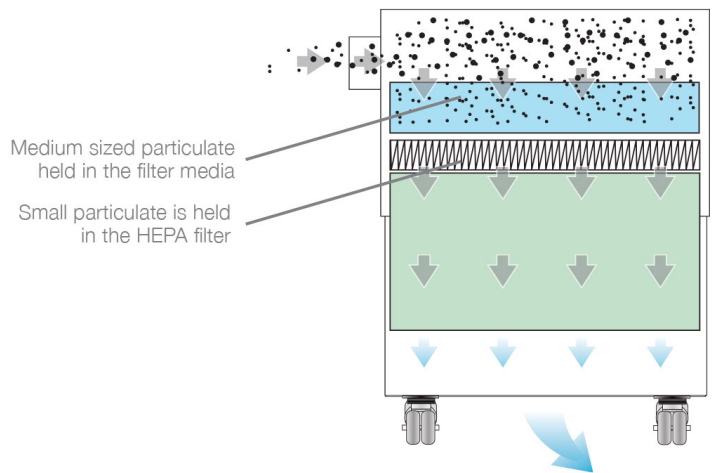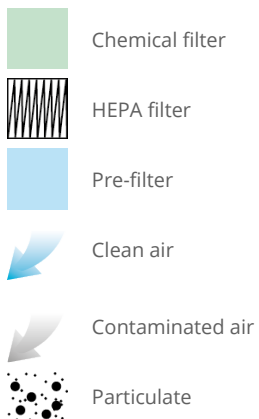**Filter change / system fail signal**
Optional

Contact BOFA at **https://bofainternational.com/en/contact/**

https://bofainternational.com/en/portal/datasheets/ad-universal/

bsi ISO 9001:2015 Quality Management

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

Technical specification

1. Digital speed control
2. On / off switch
3. Filter condition display
4. IEC power cable inlet
5. Lid fastening latches
6. Handles
7. Hose inlet connections - 100mm
8. Motor cooling inlet
9. Castors
10. Signal / Interface cable
11. Exhaust outlet

Airflow through filters

Chemical filter

HEPA filter

Pre-filter

Clean air

Contaminated air

Particulate

Medium sized particulate held in the filter media

Small particulate is held in the HEPA filter

Technical data

	EU	US
Dimensions (HxWxD)	625 x 385 x 525 mm	24.61 x 15.16 x 20.67"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	380m³/hr / 96mbar	223cfm / 96mbar
Electrical data	100-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps/ 1.1kw	100-230v Single-phase 1~ 50/60Hz Full load current: 12.5 amps/ 1.1kw
Noise level	<60dBA (at typical operating speed)	<60dBA (at typical operating speed)
Weight	50kg	110lbs
Approvals	UKCA and CE	UL*

DeepPleat pre-filter specifications

Surface media area	6m² approx (64.56 ft²)
Filter media	Borosilicate
Filter media construction	100mm maxi fold construction with glue bead spacers (0.32ft)
Filter efficiency	95% @ 0.9 microns

Combined filter specifications

HEPA filter media	Borosilicate
HEPA media construction	50mm maxi pleat construction with glue bead spacers (0.16ft)
Filter housing	Zintec mild steel
Treated activated carbon	11kgs (24.2 lbs)
Filter efficiency	99.997% @ 0.9 microns

Part numbers

Model	Voltage	Part no.	24V stop/start	Filter change / system failure signal	VOC monitoring
AD Universal powder coated	115V - 230V	L2244A	A2001	A2002	A2003

Replacement filters

Model	DeepPleat pre-filter	Combined filter
AD Universal	A1030167	A1030166

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

Other languages

AD Universal
[French](#)