



**MAXDER GROUP S.R.L.**

via Bizet 34 Cinisello Balsamo 20092 (Mi) [www.maxder.com](http://www.maxder.com) Tel.026600703



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

**codice 12282**

## AD Oracle

LASER

Last Updated on 28.08.2018

The complete, global solution for high performance laser fume extraction.

The AD Oracle packs a powerful range of unique features into one compact unit.

The revolutionary Auto-Voltage Sensing Turbine automatically self adjusts to run on any voltage worldwide, whilst the Reverse Flow filter technology enhances filter performance and ensures longer filter life.

Automatic Flow Control allows the user to preset correct flow rates, giving lower noise levels and further protection of both the combined filter and the DeepPleat DUO pre filter, which has an impressive 12m<sup>2</sup> of surface area.



### Technology



DeepPleat DUO  
pre filter



HEPA filter



Automatic flow  
control (AFC)  
technology



Reverse flow air  
(RFA) technology



Advanced carbon  
filter (ACF)  
technology



Multi voltage  
sensing (MVS) unit



Patented  
technology



ProTECT service  
plan



SureCHECK  
quality standard

### Key features of the AD Oracle

Auto sensing voltage (90v - 257v) for global use  
Standard

DeepPleat DUO pre filter  
Standard

HEPA and Gas combined filter  
Standard

Automatic Flow Control  
Standard

Advanced carbon filter technology  
Standard

Reverse flow  
Standard

Contact MAXDER at [WWW.MAXDER.COM](http://WWW.MAXDER.COM)



**'Easi-seal' filter location**

Standard

**Small footprint and low noise level**

Standard

**Interfacing with host laser**

Optional

**Filter change / System fail signal**

Optional

**Castors for portability**

Standard

**VOC gas sensor (Volatile Organic Compound)**

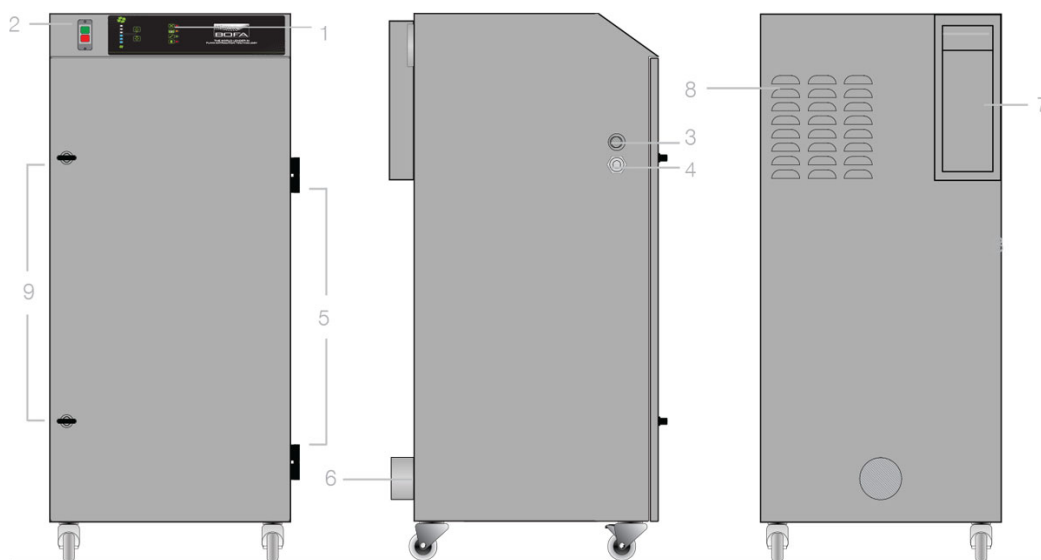
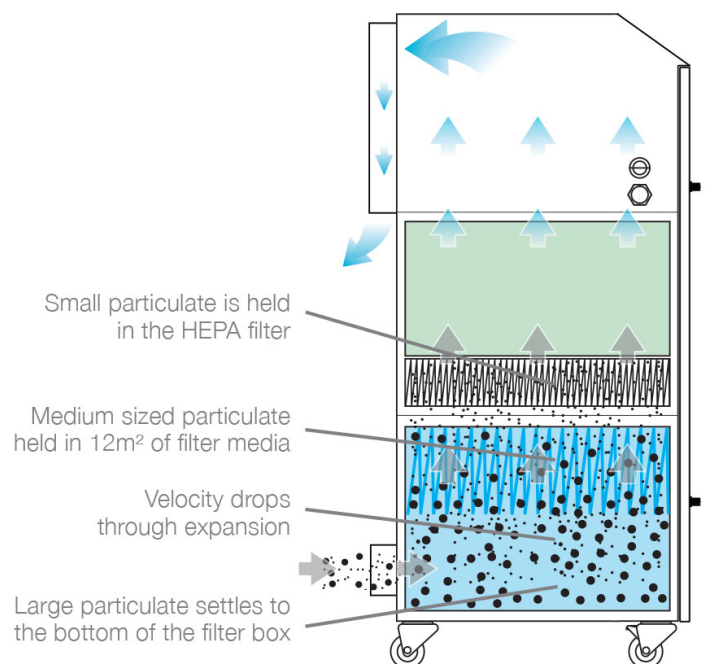
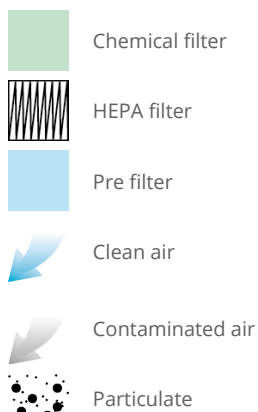
Optional

**Remote stop / start interface**

Optional

**Optional filter medias**

Optional

**Technical specification****1. Unit / filter condition display**  
- Automatic flow control**2. On/off switch****3. Power cable****4. Signal / interface cable****5. Door hinge****6. Hose inlet connection -**  
75mm**7. Exhaust outlet****8. Motor cooling inlet****9. Door latch****Airflow through filters**

## Technical data

	EU	US
Dimensions (HxWxD)	955 x 430 x 475 mm	37.60 x 16.93 x 18.70"
Cabinet construction	Brushed stainless steel / Powder coated mild steel	Brushed stainless steel / Powder coated mild steel
Airflow / Pressure	380m³/hr / 96mbar	223cfm / 96mbar
Electrical data	90 - 257v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw	90 - 257v 1ph 50/60Hz Full load current: 12.5 amps / 1.1kw
Noise level	< 60dBA (at typical operating speed)	< 60dBA (at typical operating speed)
Weight	65kg	143lbs
Approvals	CE	cUL, UL

## DeepPleat DUO pre filter specifications

Surface media area	12m² approx (129.12 ft²)
Filter media	Glass fibre
Filter media construction	Maxi Pleat with webbing spacer
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns
Inlet size	75mm (0.24 ft)
Dropout chamber size	16.2 litres
Filter media pleat size	200mm (0.65 ft)

## Combined filter specifications

HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Treated activated carbon	15kgs (33 lbs)
Filter efficiency	99.997% @ 0.3 microns

## Part numbers

Model	Part No.	24V Stop / Start	Filter change / System failure signal	VOC monitoring	Hose kit
AD Oracle stainless steel	L1954A	A2001	A2002	A2003	A1020008 75-50mm
AD Oracle powder coated	L1944A	A2001	A2002	A2003	A1020008 75-50mm

## Replacement filters

Model	DeepPleat DUO pre filter	Combined filter
AD Oracle	A1030156	A1030155



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