



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# AD PVC iQ

LASER

Last Updated on 29.08.2018



The complete fume extraction solution for laser marking, coding and engraving of PVC materials.

The AD PVC iQ extraction system has been designed to effectively deal with the corrosive nature of the fumes generated when lasering PVC materials.

The latest design specification now offers many of the features associated with our "Best in class" AD Oracle iQ model as standard but in addition all internally exposed surfaces have been coated to resist the corrosive nature of the fume and each unit is fitted with HCl and VOC sensors, which continually monitor the exhaust air of the unit giving added safety assurance.

More information about the [Intelligent \(iQ\) Operating System](#).

## Technology



Intelligent (iQ) Operating System



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 PVC iQ

iQ operating system  
Standard

Reverse flow filter technology  
Standard

Turbine with high airflow and pressure  
Standard

HCl and VOC gas sensors  
Standard

Compact design  
Standard

Low noise levels  
Standard

Real time airflow reading  
Standard

Auto sensing voltage (90v - 257v)  
Standard

Automatic flow control  
Standard

Acid Resistant coatings  
Standard

'Easi-Seal' filter location mechanism  
Standard

ACF technology  
Standard

High contrast display  
Standard

Independent filter condition monitoring  
Standard

Contact BOFA at <https://bofainternational.com/en/contact/>

<https://bofainternational.com/en/portal/datasheets/ad-pvc-iq-2/>



**Filter status warnings**

Standard

**Remote diagnostics via USB**

Standard

**Filter change / System fail signal**

Optional

**'Run safe' operation**

Standard

**Remote stop / start interface**

Optional

**Technical specification**

1. iQ Display

2. Standby switch

3. Signal / interface cable

4. Power cable

5. Castors

6. Door hinge

7. Hose inlet connection - 75mm

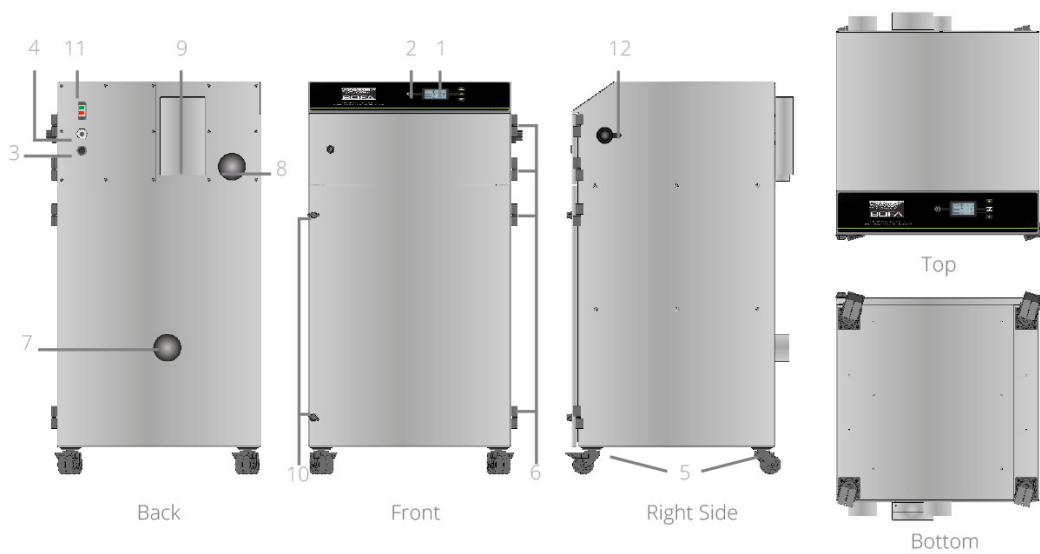
8. Exhaust outlet - 75mm

9. Motor cooling inlet





10. Door latch




11. On / off switch

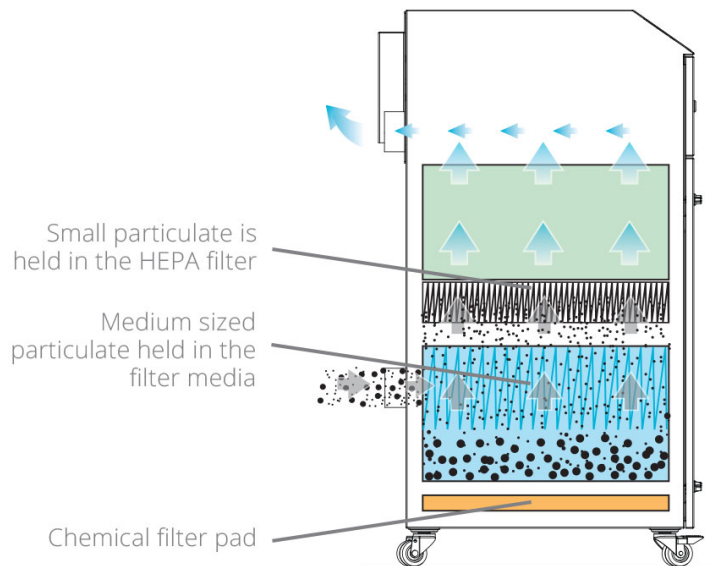
12. USB socket



**Airflow through filters**

-  Chemical filter
-  HEPA filter
-  Pre filter
-  Chemical filter pad

-  Clean air
-  Contaminated air
-  Particulate



## Technical data

	EU	US
Dimensions (HxWxD)	1090 x 570 x 600mm	42.91 x 22.44 x 23.62"
Cabinet construction	Brushed stainless steel with epoxy coated internal contact parts	Brushed stainless steel with epoxy coated internal contact parts
Airflow / Pressure	350m <sup>3</sup> /hr (205cfm) / 96mbar	320m <sup>3</sup> /hr (188cfm) / 96mbar
Electrical data	90v - 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	95kgs	209lbs
Approvals	CE	cUL, UL

## Pre filter specifications

Surface media area	2m <sup>2</sup> approx (21.52 ft <sup>2</sup> )
Filter media	Polyester
Filter media construction	8 Pocket Bag Filter
Filter housing	Corrosion resistant coated stainless steel
Filter efficiency	95% @ 0.9 microns

## Gas/HEPA filter specifications

HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing spacers
Filter housing	Corrosion resistant coated stainless steel
Treated activated carbon	Blend of impregnated activated carbons (21kg) (46.2 lbs)
Filter efficiency	99.997% @ 0.3 microns

## Part numbers

Model	Voltage	Part No.	24V Stop / Start	Filter change / System failure signal
AD PVC iQ stainless steel	90V - 257V	L0952A	A2001	A2002

## Replacement filters and accessories

Model	Pre filter	Chemical pad filter	Combined HEPA/Gas filter	HCl sensor
AD PVC iQ	A1030081	A1030083	A1030082	A1070027

## Other languages

AD PVC iQ  
[French](#)

*Datasheet correct at time of publishing.*

*Where applicable, the carbon used in BOFA units is capable of removing a wide range of VOC's, 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.*

*Think before you print! Please consider the environment before printing this document.*



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