

A system designed to filter fumes generated during the lasering of PVC materials.

The AD PVC iQ extraction system is designed to filter fumes generated during the lasering of PVC materials. In addition to many of the standard features included in the AD Oracle iQ module, this system also comes equipped with HCl and VOC sensors that continuously monitor exhaust air, plus all internally exposed surfaces have been coated to resist corrosive fumes.

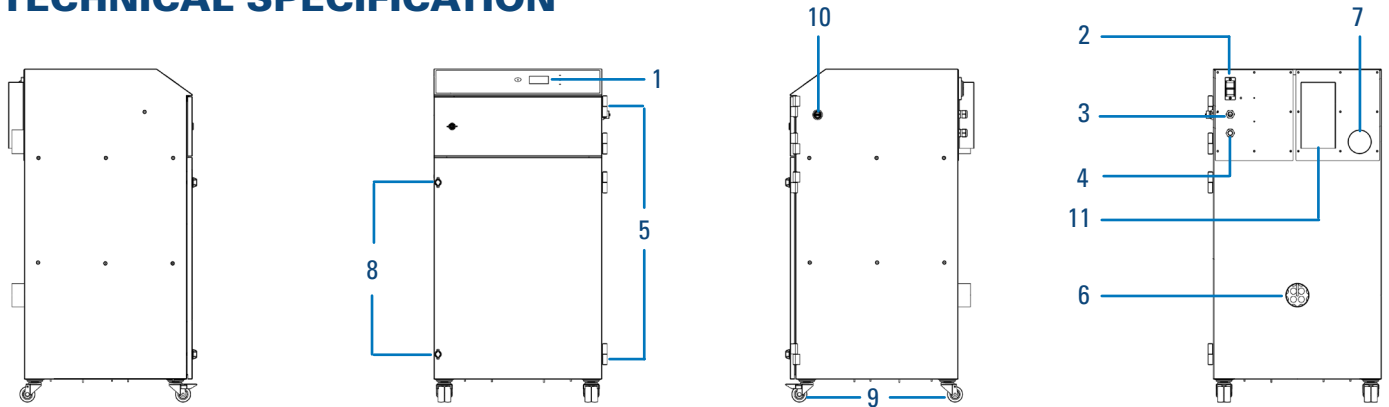


FEATURES

- Blower with high airflow and pressure
- Acid resistant coatings
- HCl and VOC gas sensors
- Compact design
- Low noise levels
- High contrast display
- Real-time airflow reading
- Independent filter condition monitoring
- Remote diagnostics via USB

Approvals: UKCA and CE | cUL | UL*

TECHNICAL SPECIFICATION

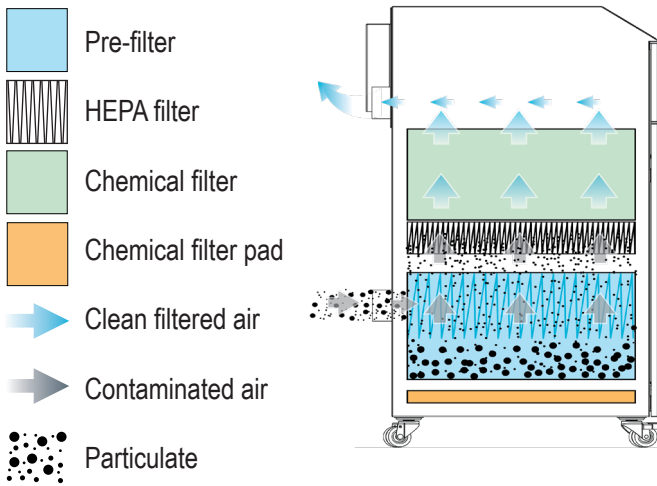


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|---------------------------|--|---------------------------|
| 1. iQ display | 5. Door hinges | 9. Castors |
| 2. On/off switch | 6. Hose inlet connection - 2.9" (75mm) | 10. USB port |
| 3. Power cable | 7. Exhaust outlet | 11. Compressed air outlet |
| 4. Signal/interface cable | 8. Door latches | |

TECHNICAL DATA

Voltage	Airflow		Pressure (+/- 10%)	Dimensions (H x W x D)		Weight (+/- 5%)		Noise level**	Frequency	Full load current
	V	cfm		m ³ /hr	mbar	in	mm			
115-230	206	350	96	42.9 x 22.4 x 23.6	1090 x 570 x 600	209	95	< 60	50/60	12.5

AIRFLOW



FILTER SPECIFICATIONS

Model	Surface media area (approx)		Filter efficiency
	ft ²	m ²	
Pre-filter bag	21.5	2	95% @ 0.9 microns
Combined filter (HEPA)	32.3	3	99.997% @ 0.3 microns

Model	Activated carbon volume	
	lbs	kg
Combined filter (gas)	46.3	21

PART NUMBERS - FILTERS

Pre-filter bag	Combined filter	Chemical pad filter
1UA1030081	1UA1030082	1UA1030083

PART NUMBERS - SYSTEM

Description	Part number
Stainless steel, 115-230 V No options	1U671854530106026-1480
Stainless steel, 115-230 V 24 V S/S and SOK	1U1343997180106030-1480
Stainless steel, 115-230 V 24 V S/S, SOK, O/R, USA plug	1U1343705580106030

CUSTOMIZATIONS

Options

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

Power cables

Type B
Type E
Type G
Type free ends

Cabinet construction

Brushed stainless steel

*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.

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.