

AD PVC iQ

Fume Extraction System - Advantage Range

Datasheet

Technical Specification and Product Information

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.

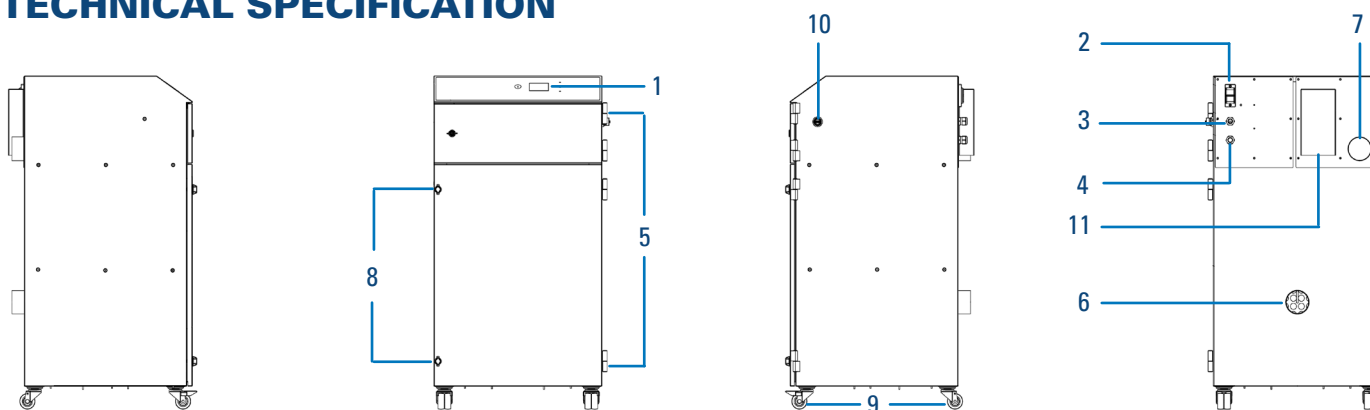
FEATURES

- 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

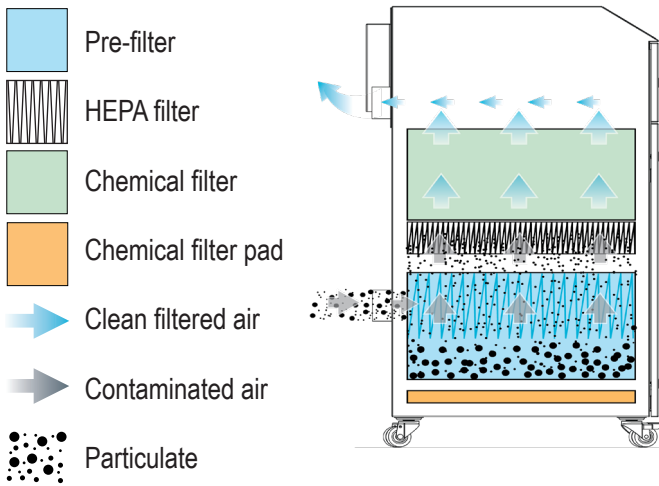


- | | | |
|---------------------------|--|---------------------------|
| 1. iQ display | 5. Door hinges | 9. Castors |
| 2. On/off switch | 6. Hose inlet connection - 2.9" (75mm) | 10. USB port |
| 3. Power cable | 7. Exhaust outlet | 11. Compressed air outlet |
| 4. Signal/interface cable | 8. Door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

Cabinet construction

Brushed stainless steel

Power cables

Type B
 Type E
 Type G
 Type free ends

*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.

Donaldson
BOFA™

Donaldson BOFA

UK & ROW

Tel. +44 (0) 1202 699 444
 Email. bofasales@donaldson.com
 Web. donaldsonbofa.com

Germany

Email. bofavertrieb@donaldson.com

USA

Tel. +1 (618) 205 5007
 Email. bofasalesus@donaldson.com

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