DustPRO 500 iQ

MECHANICAL ENGINEERING

Last Updated on 02.02.2022

Industrial particle and dust extractor.

BOFA's DustPRO 500 iQ mid-range extraction system combines 100 litre capacity bag with high airflow and pressure rates, making it the ideal choice for heavy-duty applications that generate large amounts of particulate, with the added protection of the large HEPA filter.

Performance has now been further enhanced with the inclusion of several new features including our Intelligent Operating System (iQ) , making the new DustPRO 500 iQ one of our most advanced systems available.

More information about the **Intelligent Operating System (iQ)** .

Technology

Intelligent Operating System (iQ)

HEPA filter

Reverse flow air (RFA) technology

Automatic flow control (AFC) technology

Patented technology

ProTECT service plan

SureCHECK quality standard

Key features of the DustPRO 500 iQ

iQ Operating System
Standard

Reverse flow air filter technology
Standard

Brushless motor
Standard

HEPA filter technology
Standard

ProTECT
Standard

Remote stop / start interface
Optional

Onboard compressor
Optional

High airflow and pressure rates
Standard

Automatic flow control system
Standard

Filter blocked indicator
Standard

SureCHECK quality standard
Standard

Patented technology
Standard

Filter change / system fail signal
Optional

Technical specification

1. Unit / filter condition display - automatic flow control

2. On / off switch

3. Signal / interface cable

4. Power cable

5. Castors

6. Door hinge

7. Hose inlet connection - 125mm

8. Exhaust outlet

9. Motor cooling inlet / outlet

10. Door latch
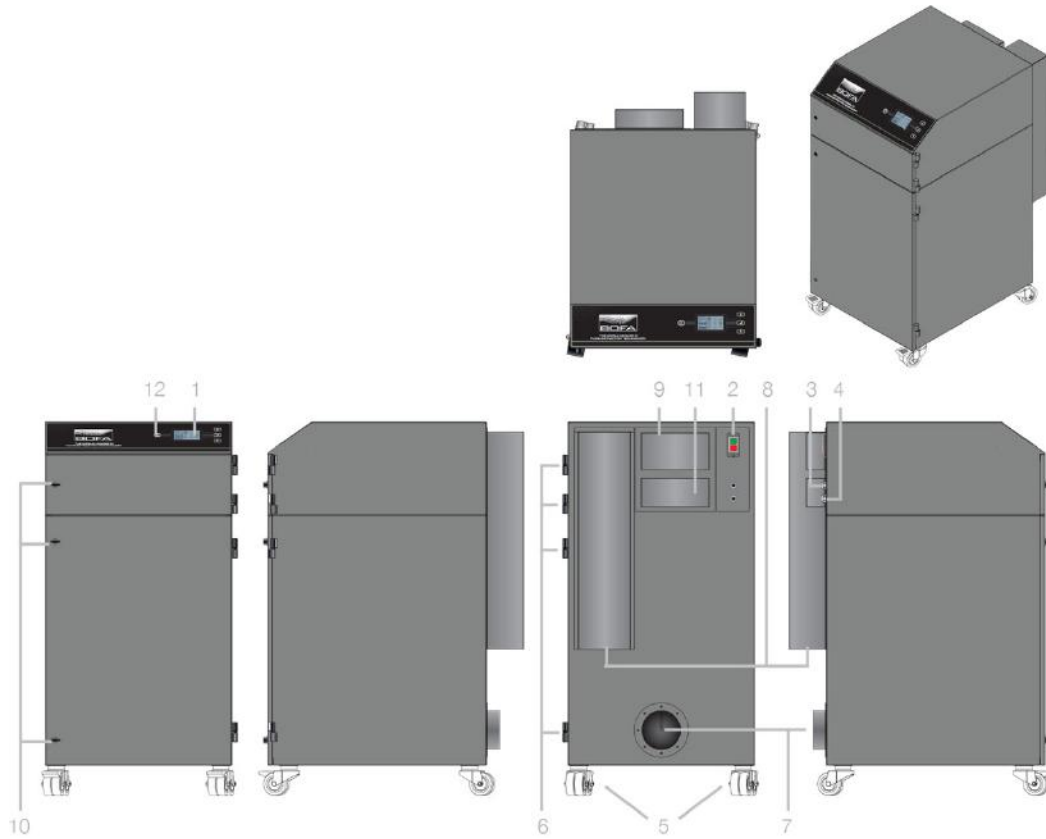
Airflow through filters

- Bag filter
- HEPA filter
- Clean air
- Contaminated air
- Particulate

Small particulate is held in the HEPA filter

Large and medium sized particulate held in the filter media

Velocity drops through expansion
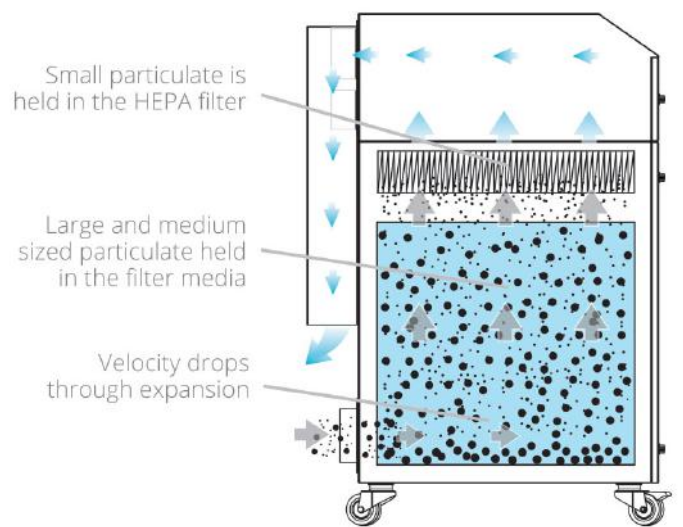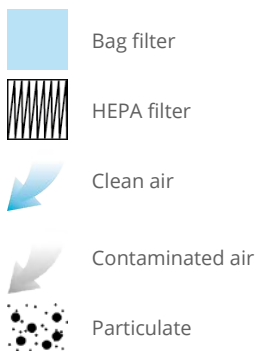
Technical data

	EU	US
Dimensions (HxWxD)	1205 x 615 x 790mm	47.44 x 24.21 x 31.10"

Technical data

Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	550m³/hr / 100mbar	323cfm / 100mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 9.1 amps / 1.1kw	115v Single-phase 1~ 50/60Hz Full load current: 14.3 amps / 1.1kw
Noise level	< 62dBA (at typical operating speed)	< 62dBA (at typical operating speed)
Weight	98kgs	216lbs
Approvals	UKCA and CE	cUL, UL *

Bag filter specifications

Volume area	100ltrs approx
Filter media	Polyester
Filter media construction	8 pocket bag filter
Surface media area	2.5m² approx (26.9 ft²)
Filter efficiency	95% @ 0.9 microns

HEPA filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Maxi pleat construction with glue bead spacers
Surface media area	7.5m² approx (80.7 ft²)
Filter efficiency	99.997% @ 0.3 microns

Part numbers

Model	Voltage	Part number	24V stop/start	Filter change / system failure signal	Hose kit
DustPRO 500 iQ Powder coated	230V	D1042A	A2001	A2002	A1020069 125-125mm

Replacement filters

Model	Bag filter part number	HEPA filter part number
DustPRO 500 iQ	A1030262	A1030059

* 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.

Datasheet correct at time of publishing.

Where applicable, the carbon used in BOFA units 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 BOFA can affect the use and performance of BOFA 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*