



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

DustPRO 500 iQ

MECHANICAL ENGINEERING

Last Updated on 30.08.2018



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 iQ Operating System, making the new DustPRO 500 iQ one of the most advanced system available.

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

Technology



Intelligent (iQ)
Operating System



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

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

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

<https://bofainternational.com/en/portal/datasheets/dustpro-500-iq/>



Onboard compressor
Optional

Larger silencing inlet / outlet boxes
Optional

Technical specification

1. Unit / Filter condition
display - Automatic Flow
control

2. On / Off switch

3. Signal / Interface cable

4. Power cable

5. Castors

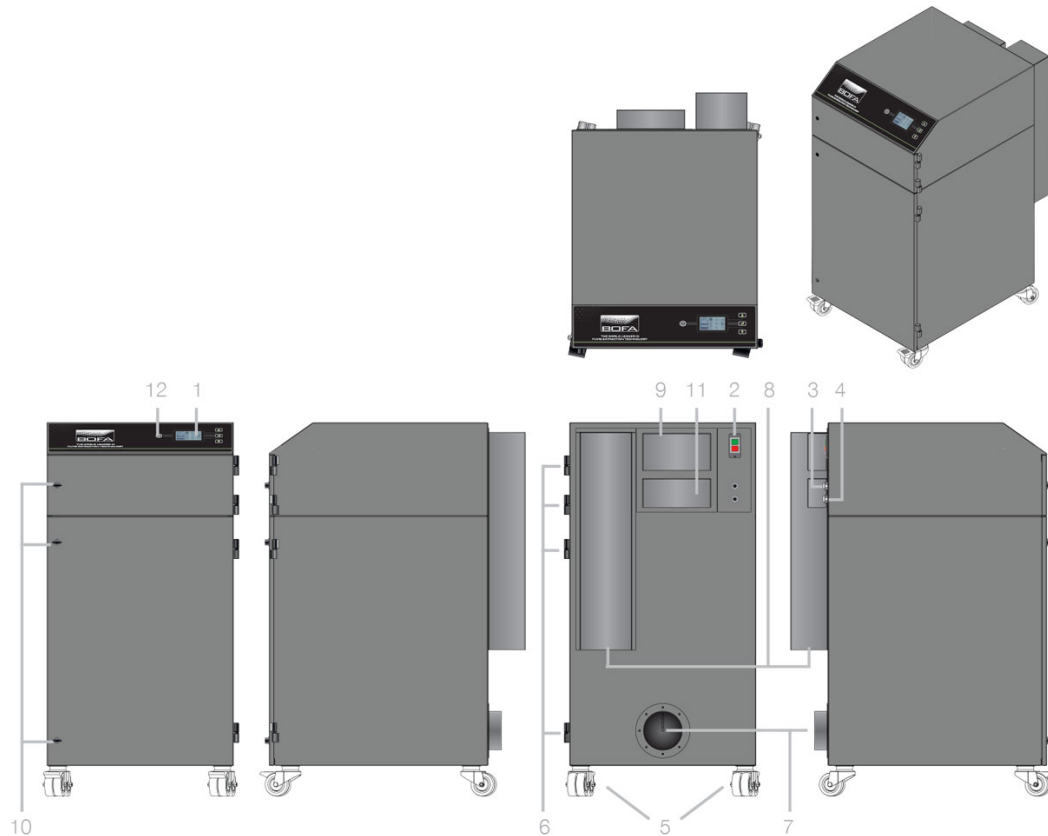
6. Door hinge

7. Hose inlet connection -
125mm

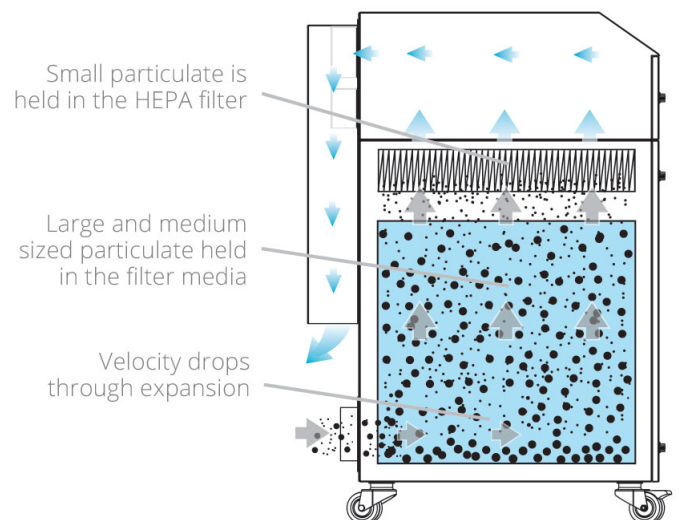
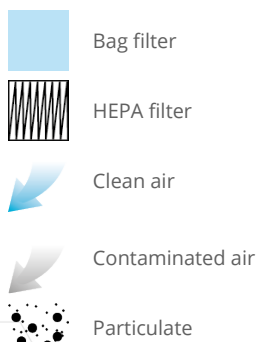
8. Exhaust outlet

9. Motor cooling inlet / Outlet

10. Door latch



Airflow through filters



Technical data

	EU	US
Dimensions (HxWxD)	1205 x 615 x 790mm	47.44 x 24.21 x 31.10"
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / Pressure	550m³/hr / 100mbar	323cfm / 100mbar
Electrical data	230v 1ph 50/60Hz Full load current: 9.1 amps / 1.1kw	115v 1ph 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	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	Glass fibre
HEPA media construction	Maxi pleat construction with webbing 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

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.