



A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# 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

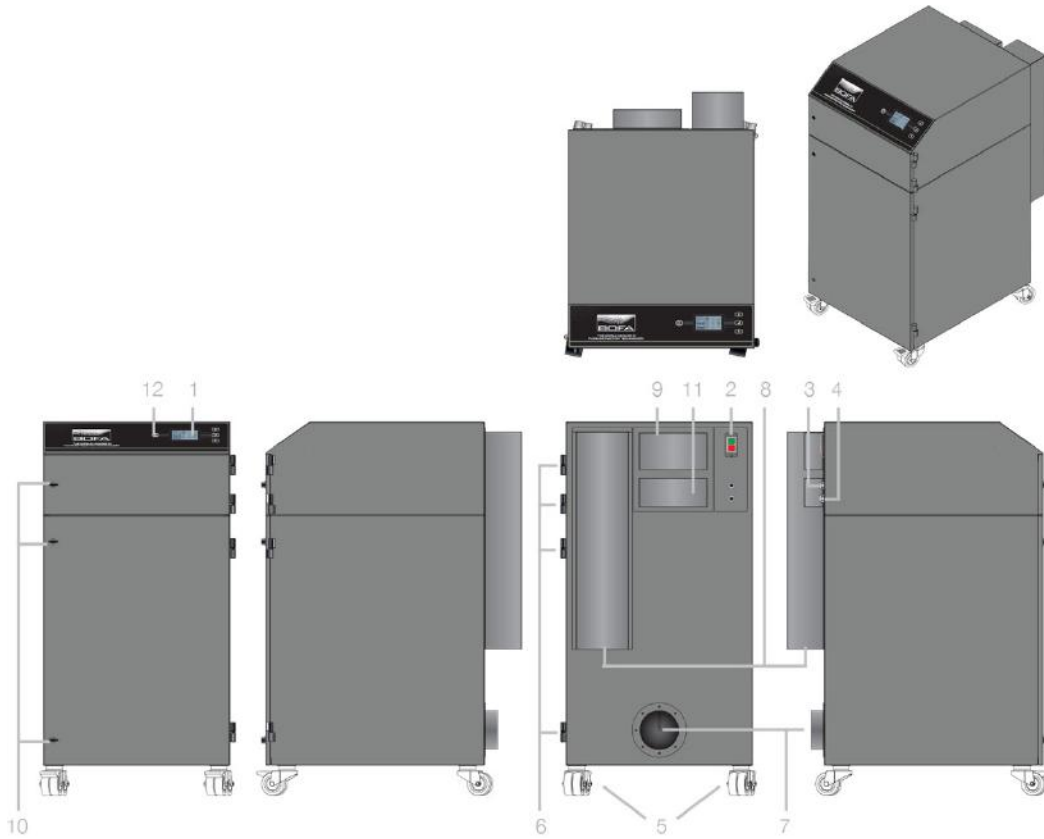
Contact BOFA at <https://bofainternational.com/en/contact/>  
<https://bofainternational.com/en/portal/datasheets/dustpro-500-iq/>



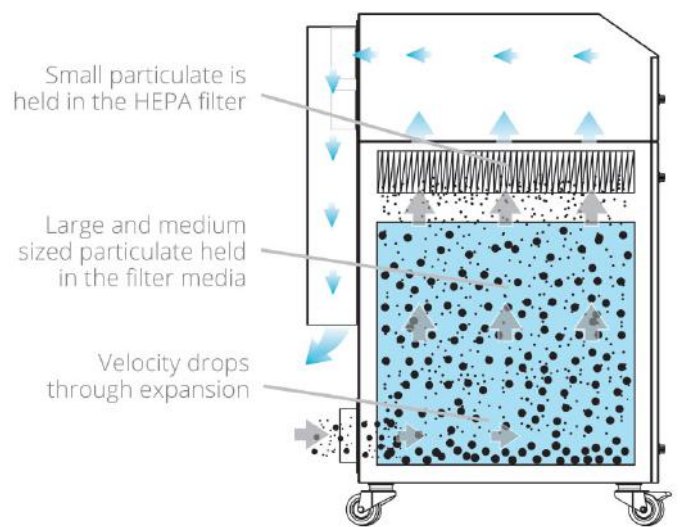
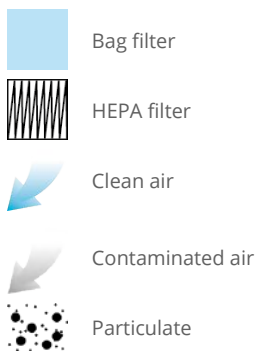
Approvals: REACH and RoHS. See individual product technical data for specific accreditations

## 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"

## Technical data

Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / pressure	550m <sup>3</sup> /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	2.5m <sup>2</sup> approx (26.9 ft <sup>2</sup> )
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	7.5m <sup>2</sup> approx (80.7 ft <sup>2</sup> )
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

*specifications, availability and data are subject to change without notice, and may vary by region or country.*

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

