BOFA™
A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

DentalPRO 1000 iQ M

DENTAL

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High-performance dust extraction system for industrial applications.

BOFA's DentalPRO 1000 iQ M dust extraction system combines extremely large filter capacity with high airflow and pressure rates. making it the ideal choice for heavy-duty applications that generate larger amounts of particulate generated during the CAD/CAM milling of dental implants. The unit is designed as a centralised system, for multiple milling machines to be used at once.

The unit has a high-efficiency two-stage filtration process which helps workplace environments maintain a clean working environment. The large capacity bag filter provides long life, while the HEPA filter has an efficiency of 99.997% down to 0.3 microns ensuring a safe working environment.

BOFA's patented iQ Operating System takes performance and safety parameters to a new level and ensures that maintenance, downtime and ownership costs are kept to a minimum.

More information about the Intelligent Operating System (iQ).

Technology

- Intelligent operating system (iQ)
- HEPA filter
- Automatic flow control (AFC) technology
- Patented technology
- ProTECT service plan
- SureCHECK quality standard

Key features of the DentalPRO 1000 iQ M

iQ Operating System
Standard

Reverse flow air filter technology
Standard

Real time airflow reading
Standard

'Run safe' operation
Standard

Independent filter condition monitoring, display and warnings
Standard

High airflow and pressure rates
Standard

Automatic flow control system
Standard

High contrast display
Standard

Remote diagnostics via USB
Standard

HEPA filter
Standard

Contact BOFA at **https://bofainternational.com/en/contact/**

https://bofainternational.com/en/portal/datasheets/dentalpro-1000-iq-m/

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

Filters with long life and low replacement cost
Standard

Filter change / system fail signal
Optional

On-board compressor
Optional

Remote stop / start interface
Optional

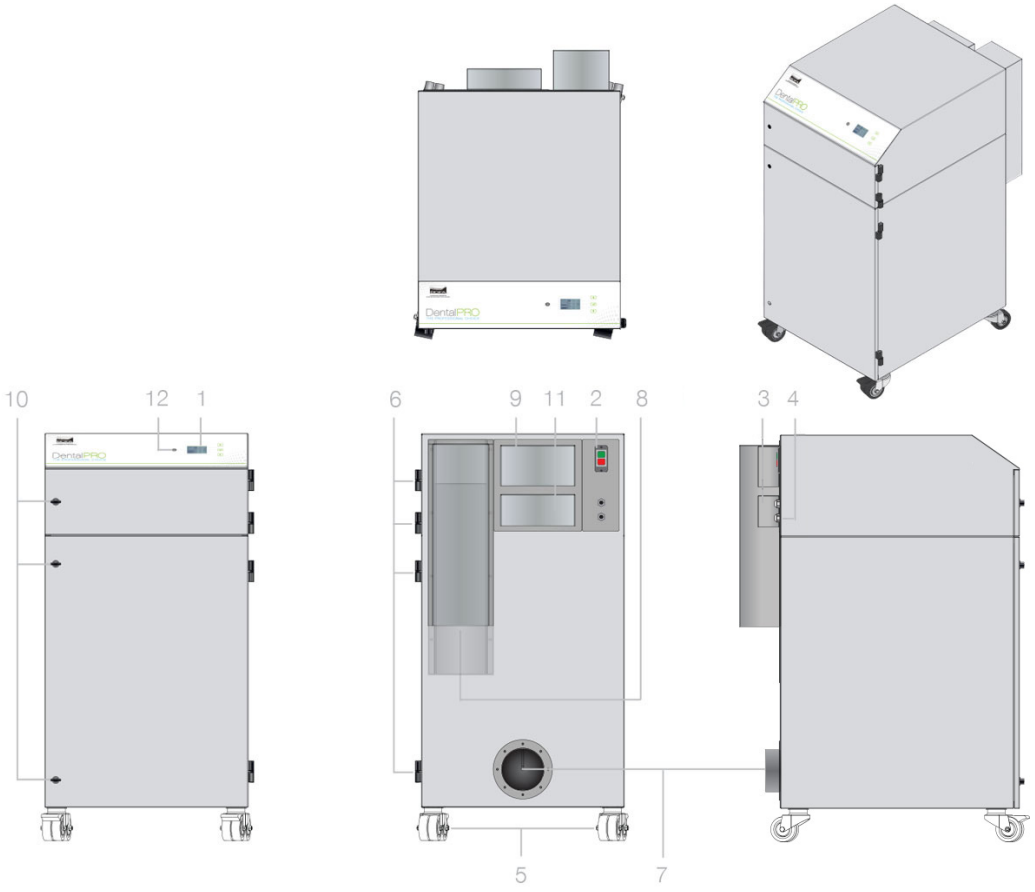
Larger silencing inlet/out boxes
Optional

Applications

• CNC dental milling

Technical specification

1. iQ display
2. On / off switch
3. Power cable
4. Signal / interface cable
5. Castors
6. Door hinge
7. Hose inlet connection - 125mm
8. Exhaust outlet
9. Motor cooling inlet
10. Door latch
11. Motor cooling outlet
12. Standby button



Airflow through filters

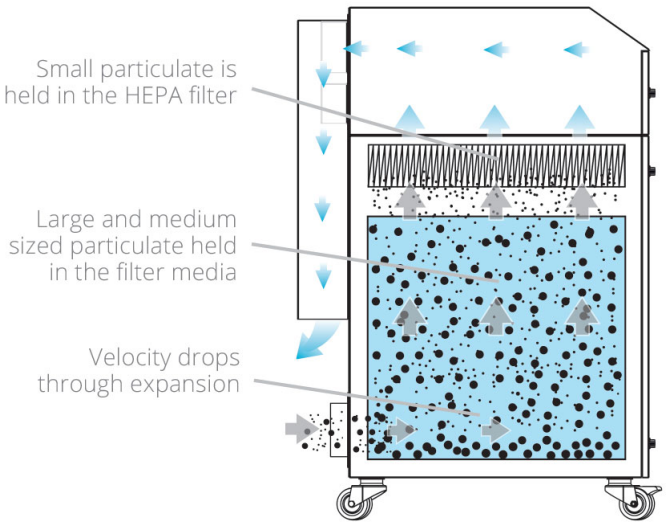
HEPA filter

Pre-filter bag

Clean air

Contaminated air

Particulate



Technical data

	EU	US
Dimensions (HxWxD)	1205 x 600 x 795mm	47.44 x 23.62 x 31.30
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / Pressure	850m³/hr / 100mbar	500cfm / 100mbar
Electrical data	230v Single-phase 1~ 50/60Hz Full load current: 12.8 amps / 2.2kw	115v 60/50Hz Full load current: 19.5 amps / 2.2kw
Noise level	< 61dba (at typical operating speed)	< 61dba (at typical operating speed)
Weight	146kgs	322lbs
Approvals	UKCA and CE	UKCA and CE

Pre-filter bag specification

Volume area	100ltrs approx
Filter media	Polyester
Filter media construction	8 pocket bag filter
Surface media area	3.9m² approx (41.964 ft²)
Filter efficiency	95% @ 0.9 microns

HEPA filter specifications

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

Unit part numbers

Model	Voltage	Part number	Optional stop / start interface	Optional filter change / Signal fail signal	Optional on-board compressor

Unit part numbers

DentalPRO 1000 iQ M Powder coated	230V	30851641-1639	A2001	A2002	A2007
DentalPRO 1000 iQ M Powder coated	115V	30850641-1639	A2001	A2002	A2007

Replacement filter part numbers

Model	Bag pre-filter	HEPA filter
DentalPRO 1000 iQ M	A103262	A1030059

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.*

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