



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's high efficiency two stage filtration process allows technicians to work safe in the knowledge that dust particles and fumes are being effectively removed, to maintain a clean working environment. The large capacity bag filter provide 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 \(iQ\) Operating System](#).

## Technology



Intelligent (iQ) operating system



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

High airflow and pressure rates  
Standard

Automatic flow control system  
Standard

High contrast display  
Standard

Remote diagnostics via USB  
Standard

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

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



**Independent filter condition monitoring, display and warnings**  
Standard

**Filters with long life and low replacement cost**  
Standard

**Filter change / System fail signal**  
Optional

**On-board compressor**  
Optional

**HEPA filter**  
Standard

**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

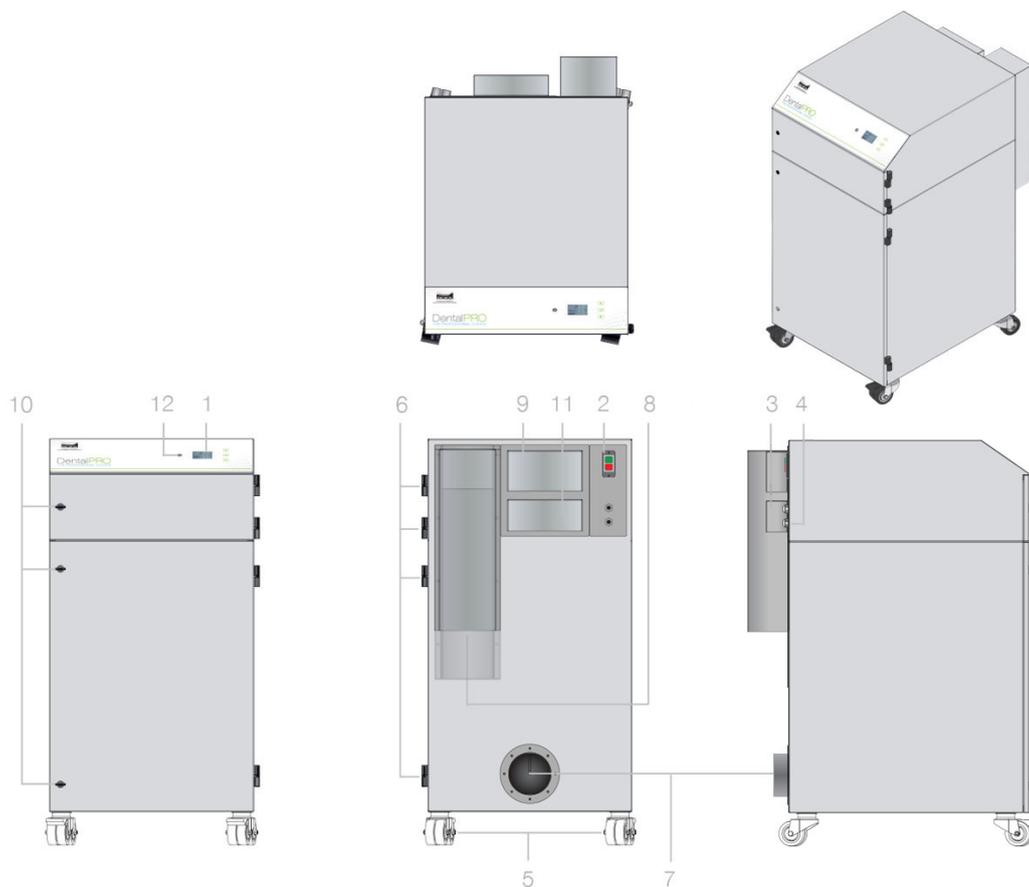
8. Exhaust outlet

9. Motor cooling inlet

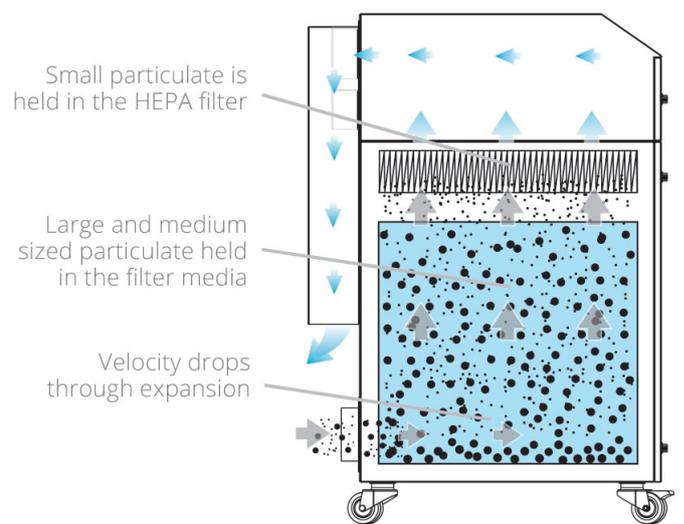
10. Door latch

11. Motor cooling outlet

12. Standby button



## Airflow through filters



### Technical data

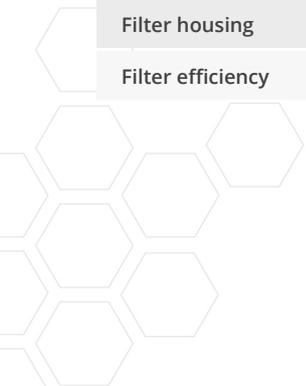
	EU	US
Dimensions (HxWxD)	1205 x 600 x 795mm	47.44 x 23.62 x 31.30
Cabinet construction	Powder coated mild steel	Powder coated mild steel
Airflow / Pressure	850m <sup>3</sup> /hr / 100mbar	500cfm / 100mbar
Electrical data	230v 1ph 50/60Hz Full load current: 12.8 amps / 2.2kw	115v 60/50Hz Full load current: 19.5 amps / 2.2kw
Noise level	< 61dba (at typical operating speed)	< 61dba (at typical operating speed)
Weight	146kgs	322lbs
Approvals	CE	CE

### Pre filter bag specification

Volume area	100ltrs approx
Filter media	Polyester
Filter media construction	8 pocket bag filter
Surface media area	3.9m <sup>2</sup> approx (41.964 ft <sup>2</sup> )
Filter efficiency	95% @ 0.9 microns

### HEPA filter specifications

Surface media area	7.5m <sup>2</sup> approx (80.7 ft <sup>2</sup> )
HEPA filter media	Glass fibre
HEPA media construction	Maxi pleat construction with webbing 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
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.*

*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.*

