



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

## DentalPRO 1000 iQ

DENTAL

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Centralised dust extraction system for CAD/CAM milling machines.

BOFA's DentalPRO 1000 iQ 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 and gaseous organic compounds 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 three 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 DeepPleat DUO pre filter has a large 30m<sup>2</sup> surface area and the HEPA filter has an efficiency of 99.997% down to 0.3 microns.

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



DeepPleat DUO  
pre filter



HEPA filter



Automatic flow  
control (AFC)  
technology



Reverse flow air  
(RFA) technology



Patented  
technology



ProTECT service  
plan



SureCHECK  
quality standard

### Key features of the DentalPRO 1000 iQ

iQ Operating System  
Standard

Reverse flow air filter technology  
Standard

High airflow and pressure rates  
Standard

DeepPleat DUO pre filter  
Standard

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

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



**Automatic flow control system**  
Standard

**High contrast display**  
Standard

**Remote diagnostics via USB**  
Standard

**Combined HEPA/Gas filter incorporating ACF technology**  
Standard

**Filter change / System fail signal**  
Standard

**Filters with long life and low replacement costs.**  
Standard

**On-board compressor**  
Optional

**Real time airflow reading**  
Standard

**'Run safe' operation**  
Standard

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

**Remote stop / start interface**  
Standard

**Interfacing with host unit**  
Standard

**VOC gas sensor (Volatile Organic Compound)**  
Optional

## 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

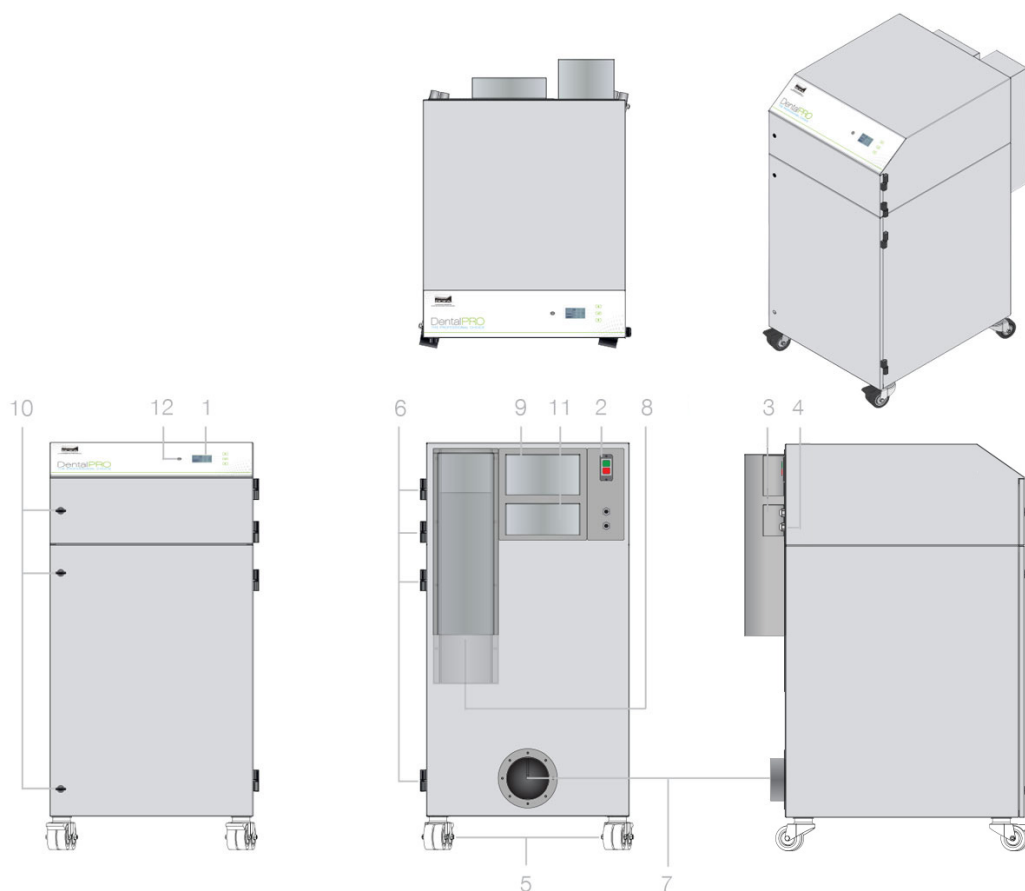
8. Exhaust outlet

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 615 x 790mm	47.44 x 24.21 x 31.10"
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

### DeepPleat DUO pre filter specifications

Surface media area	30m <sup>2</sup> approx (322.8 ft <sup>2</sup> )
Filter media	Glass fibre
Filter media construction	Maxi pleat construction with webbing spacers
Filter housing	Zintec mild steel
Filter efficiency	95% @ 0.9 microns

### Combined HEPA/Gas 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
Treated activated carbon	34kgs (74.8 lbs)
Filter efficiency	99.997% @ 0.3 microns

### Unit part numbers

Model	Voltage	Part no.	VOC monitoring	On-board compressor
DentalPRO 1000 iQ Powder coated	230V	DL0762-0001	A2003	A2007
DentalPRO 1000 iQ Powder coated	115V	DL0761-0001	A2003	A2007

### Replacement filter part numbers

Model	DeepPleat DUO pre filter	Combined HEPA/Gas filter
DentalPRO 1000 iQ	A1030384	A1030385

*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.*



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