



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

2019 PRODUCT RANGE



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2017

Laser

Electronics

Printing
& 3D Printing

Mechanical
Engineering

Dental

Pharmaceutical
& Medical

Beauty



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FUME AND DUST EXTRACTION SYSTEMS



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

BOFA INTERNATIONAL IS A MULTI AWARD-WINNING WORLD LEADER IN PORTABLE FUME EXTRACTION AND FILTRATION TECHNOLOGY.

We design, develop and manufacture systems for a wide range of industrial sectors and applications.

Our products ensure operator safety by capturing harmful dust and fumes which are generated during industrial processes while minimising disruption to production.



PROUD SUPPORTERS

WHY BOFA

- ✓ Over 30 years' **experience**
- ✓ Market **leader**
- ✓ **Unrivalled** expertise in portable fume and dust extraction and filtration
- ✓ **Innovative** world-class solutions
- ✓ High **quality**, affordable systems
- ✓ Developed by **experts**
- ✓ **Dedicated** in house capabilities
- ✓ Offices in the **UK, USA and Germany**
- ✓ **Global** network of distributors
- ✓ Keeping the world working **safely**
- ✓ Continual **investment**
- ✓ **Environmental** policy
- ✓ A **Donaldson** company

OUR PRODUCTS

- ✓ Proven **safe** and **innovative** solutions
- ✓ **Fast** and **easy** to install
- ✓ **Low** level noise
- ✓ Clean and energy **efficient**
- ✓ **Compact** designs with small footprint
- ✓ **Long** life filters with **low** replacement costs
- ✓ **Patented** products, software and filter technology
- ✓ Highest **quality** standards, including our own SureCHECK standard
- ✓ **Global** systems suitable for a wide range of applications
- ✓ **Award** winning



BOFA is proud to be a Donaldson company. Founded in 1915, Donaldson is a global leader in the filtration industry with sales, manufacturing and distribution locations around the world.



We apply our extensive expertise to constantly find new methods to allow customers to protect both their employees and the environment, whilst reducing energy consumption and downtime.

This is essential when striving to satisfy today's ever increasing demand for low operating costs and the challenges presented through the development of new materials and processes.

Our systems ensure hazardous particles and fumes are captured and filtered out before the cleaned air is recirculated back into the production environment.

We develop reliable, simple to use and cost effective products that meet and exceed global health and safety legislation, encouraging green initiatives and environmental good practices throughout our manufacturing process.

Our in house approach provides our customers with the peace of mind that specialist advice and expertise will always be at hand to deliver timely and effective product solutions, from the initial research and development to our comprehensive pre and post sales support.

QUALITY MANUFACTURING

Our philosophy is to maintain control of supply and quality standards throughout the entire manufacturing process of our products. We have an extensive range of proven fume extraction solutions to satisfy a broad range of applications - from single user systems to units that pack a heavyweight punch with unsurpassed filter capacity, high performance and everything inbetween. All made to the highest international manufacturing standards.

**OVER 30 YEARS
OF EXCELLENCE**

Ours is an unrivalled heritage of providing portable fume extraction solutions throughout the world.

1987
BOFA UK Ltd
founded

2003
ADVANTAGE
range launched
(Page 12)

2004
Name changes to
BOFA International
Ltd

2007
PrintPRO (Page 30)
& PureBEAUTY
(Page 54) ranges
launched

2008
BOFA Americas
Inc. formed

2011
DentalPRO (Page 44)
& FumeCAB (Page 50)
ranges launched

Est
1987

EXPERTISE AND INNOVATION

Our dedicated team has a wealth of knowledge and unrivalled expertise within our field which is established and trusted by all sizes of business, from global market leaders to niche producers in a wide cross section of industries.

Innovation is at the heart of everything we do, meaning we develop the most technically advanced products on the market. But we also have the flexibility to develop bespoke solutions to suit our customers' requirements. Our programme of ongoing investment in research and development allows us to continuously improve products and pioneer new cutting-edge technologies, bringing the best and latest developments to our portfolio.

AWARD WINNING TECHNOLOGY

In 2017 we were awarded the Queen's Award for Enterprise: Innovation for our revolutionary Intelligent (iQ) Operating System, which is transforming the way that organisations around the world are able to protect the health of employees and improve production processes.

Our Queen's Award for International Trade in 2012, recognises that over 90% of our products are now exported overseas.

For more information about iQ, see page 8.



We are proud to have won awards for innovation, export and business.



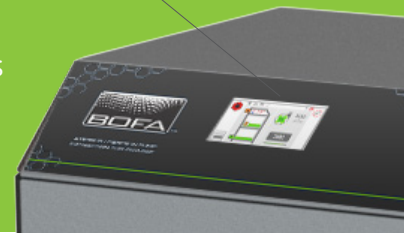
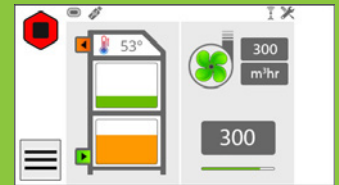
<p>2012 Win Queen's Award: International Trade iQ launched</p>	<p>2014 3D PrintPRO range launched (Page 34)</p>	<p>2017 Win Queen's Award: Innovation Office in Germany opened</p>	<p>30 Years 2018 New global head office & Centre of Excellence opened Acquired by Donaldson Inc.</p>	<p>2019 iQ2 launched (Page 6)</p>
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INTELLIGENT (iQ2) OPERATING SYSTEM



The next generation of fume extraction technology is here!

The huge success of BOFA's unique Intelligent (iQ) Operating System established a step change in fume extraction technology. It takes performance and safety parameters to a new level and ensures maintenance downtime and ownership costs are kept to a minimum. See page 8 for more information on this award-winning technology.



iQ2 builds on this, adding significantly to the list of seller and user benefits. It combines field proven iQ reliability with a range of new and highly advanced feature enhancements, including Fieldbus connectivity; two-way communication and control; and SMART filter technology.

INDUSTRY 4.0

INDUSTRY 4.0

Driven by Industry 4.0, iQ2 meets tomorrow's needs, today, keeping you and your customers ahead in the market.

It incorporates Fieldbus connectivity, making it easy to integrate into existing factory systems and the intuitive interface makes it simple to use. By connecting machines, businesses can create intelligent networks along the entire value chain that can control each other autonomously. Remote monitoring and internal control can be achieved thanks to the unique two-way data streaming capabilities. Systems self-analyse to enable predictability, providing management with more insight on the status of the factory and allowing interventions, such as filter changes, to take place at the best possible time – achieving just-in time maintenance and near zero downtime.

All this combines to deliver an enhanced user experience:

- Built on proven BOFA iQ technology
- Fieldbus connectivity
- Two-way communication and control
- Hi-resolution colour touch screen display
- Customisable – including multi language navigation and bespoke branding
- Effective filter monitoring, providing accurate filter life prediction
- Live remote monitoring for greater control
- Real-time capability to collect and analyse data
- Fully configurable alarms and warnings
- Advanced reporting tools for better support
- SMART filter technology as an optional extra
- Simple software updates, making it futureproof

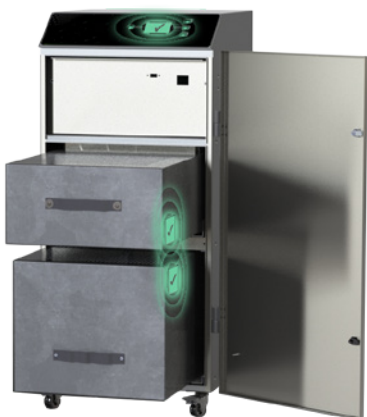
SMART FILTER TECHNOLOGY



Improve filter performance.

Incorporating proven RFID technology, each SMART filter has a uniquely coded non-removable tag, allowing the iQ2 operating system to establish authenticity and suitability of the filter being used. SMART filter technology provides the end user with the added safety assurance that they are using a proprietary filter of the right type for their application and chosen extraction unit.

SMART filter technology is an optional extra*



SMART FILTER TECHNOLOGY

*See SMART filter technology
featured on our AD Oracle
iQ2 on page 16.*

For assured filter performance:

- iQ2 system integration
- Anti-tamper RFID technology
- Correct filter detection
- Enhanced data collection
- Remote filter monitoring

For enhanced filter experience:

- Legislative compliance
- Reduced cost of ownership
- Superior filter performance
- Optimised running time
- Planned maintenance scheduling

For trouble free filter ownership:

- Ensures the highest yield
- Protected performance
- Genuine filter programme
- Remote filter management

THE FUTURE ORACLE 2

Our new Oracle 2 brings a host of additional benefits. With a fresh new look, it has new features designed to meet the increased performance and standards of today's manufacturing environment:

- CleanChange - our new filter housing facilitates cleaner filter changes, leaving you with a cleaner unit and working environment, coupled with reduced contamination when swapping out filters
- Larger filters - improve filter life, saving you money and time changing filters
- Multiple power leads make this a truly universal product with one part number the world over
- Quieter - with an optional noise reduction system.

What's more, it will come with iQ2 as standard, making this the most advanced fume extraction unit on the market.



INTELLIGENT (iQ) OPERATING SYSTEM



Pioneering fume extraction.

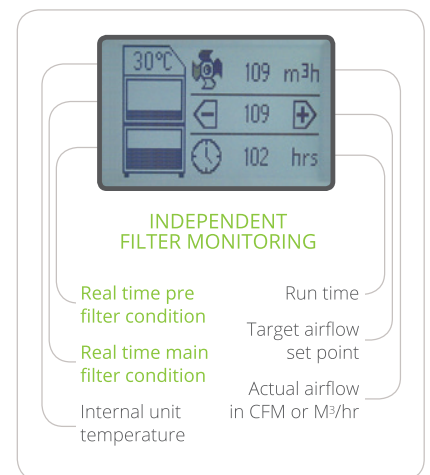
Our award-winning Intelligent (iQ) Operating System brings multiple performance enhancements for higher efficiency of extraction, individual filter status monitoring and integral design features that combine to deliver a lower cost of ownership.

Most importantly, iQ addresses the issue dreaded by most production teams - downtime - by minimising the potential for interrupting production for unplanned filter changes.

Sophisticated and advanced technology is inbuilt, providing a user-friendly and intuitive experience with the data being easy to access and analyse locally or remotely (from data downloaded via USB). It means that filter changes can be planned at a time to minimise or eliminate interruptions to production so businesses can continue as usual, as well as helping to avoid any costly or time-consuming service call-outs.

The iQ Operating System incorporates a method for monitoring the status of both the pre filter and combined (main) filter. Pre blockage warnings provide operators with ample time to prepare for a change by identifying which filter needs replacing and when so the uncertainty and guesswork is removed.

A user-friendly design is consistent across all iQ products for a more uniform look in environments where multiple units are in use. The operating 'easy read' control panel is on the top of each unit on a sloping fascia front so the data is easy to view.



DEEPPLEAT DUO

PRE FILTER



Save filter life and money.

The DeepPleat DUO is the longest lasting pre filter available on the market, extending the life of your main filter and reducing the overall cost of ownership of your unit.

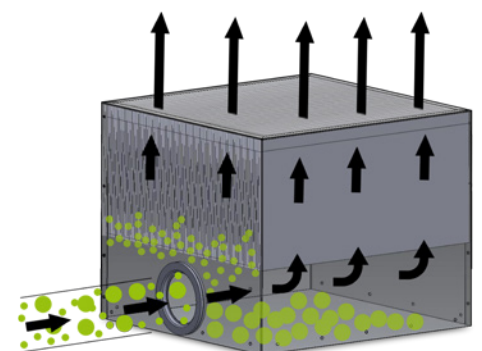
BOFA's unique patent-protected DeepPleat DUO pre filter technology is designed to maximise filter life. It incorporates a large capacity drop-out chamber within the filter, along with an impressive surface area above the chamber to deal with a high volume and variety of particulate, ensuring optimised performance and filter life. Within the housing there is a sealed 200mm deep pleat layer of F8 media giving a surface area in excess of 6;12; and 30 sq metres.

Thanks to a specially moulded grommet style gasket situated within the drop out chamber the DeepPleat DUO is designed for easy and safe installation and replacement, which is particularly important as often harmful contaminants are captured within the filter.



The DeepPleat DUO is available in three different sizes, offering different drop-out chamber sizes and surface media areas:

Product	Inlet size	Dropout chamber size	Surface media area	Filter media pleat size
AD Nano (+)	50mm	7.44 litres	6m ²	150mm
AD Oracle iQ	75mm	16.2 litres	12m ²	200mm
AD 500/1000/1500 iQ	125mm	58 litres	30m ²	200mm
AD 2000 iQ	125mm	58 litres x2 (116 litres)	30m ² x2 (60m ²)	200mm x2 (400mm)
AD 4000 iQ	125mm	58 litres x3 (174 litres)	30m ² x3 (90m ²)	200mm x3 (600mm)



WORKING WITH YOU TO DELIVER A COMPLETE SOLUTION

We work with you to ensure you get the right solution for the right process. From initial requirements scoping through to after-sales care, we provide advice you can trust.

OEMs

We have a wealth of experience working with OEMs, either supplying our existing systems or creating solutions to complement your products. Many of our OEM customers badge and sell our products as their own - confident that they will deliver performance, quality and reliability.

Working with BOFA you'll get:

- High quality design and manufacture from a world leader in fume and dust extraction
- Technical support, pre and post sales
- Extensive dealer training from specialist engineers
- Immediate and after market revenue
- Access to our global network of dust and fume extraction experts

DISTRIBUTORS

Our products are sold into more than 120 countries worldwide. Our network of trusted agents and distributors have the capability to provide local sales and service advice and will ensure that timely and appropriate support is always on hand.

Working with BOFA you'll:

- Enhance your portfolio with our existing products or with a bespoke solution
- Add value to your offering
- Sell products with a proven pedigree
- Have a convenient solution
- Earn from protected aftermarket revenues
- Benefit from technical support and extensive dealer training from specialist engineers

Your customers will get:

- Affordable options with a high level of benefits
- Customised and branded products as required
- Enhanced health and safety compliance with the highest quality solution

END USERS

We have a network of engineers throughout the UK who are experts in fume and dust extraction. Their wealth of technical and industry knowledge combined with their consultative approach to understand your processes and agree specifications means you can be confident you're selecting the right product to suit your specific requirements.

Working with BOFA you'll get:

- Expert consultation to ensure you have the solution you need
- Products for single to multiple users
- Unrivalled standard of service and support
- CE, UL and cUL compliant products
- Access to LEV service plan, implemented by our P601/P602/P604 certified engineers
- If you are based outside of the UK, our global network of distributors can help

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MARKET LEADING TECHNOLOGY

We are recognised as the market leader, delivering great value, high quality products.

We apply our in-depth understanding, developed over many years of designing and manufacturing fume extraction and filtration systems for a wide range of industries. This gives us the experience and expertise to ensure that our product solutions are the best available on the market.

Throughout this brochure you will see icons next to products to show their key features:



Intelligent (iQ2) Operating System

iQ2 combines field proven iQ reliability with a range of new and highly advanced feature enhancements, including Fieldbus connectivity, two-way communication and control, and SMART filter technology. **See page 6 for more information.**

Find out more: bofainternational.com/iq2



Intelligent (iQ) Operating System

Our patent-protected award-winning Intelligent (iQ) Operating System performs at two distinct levels: operators benefit from the ease of operation and clarity of real time information and the system provides a cache of analytical data, enabling users to download performance and operating parameters for evaluation purposes. **See page 8 for more information.**

Find out more: bofainternational.com/iq



DeepPleat pre filter

The DeepPleat pre filter consists of a pleated filter of 100mm depth or greater, allowing for increased surface area within a smaller area. This means BOFA filters last a long time and do not take up a large footprint.

Find out more: bofainternational.com/deeppleat



DeepPleat DUO pre filter

Our patent-protected DeepPleat DUO pre filter technology is designed to maximise filter life. It incorporates a large capacity drop-out chamber within the filter. Above this chamber is an impressive surface area to deal with high volumes and variety of particulate, ensuring optimised performance and filter life.

The DeepPleat DUO is designed for easy and safe installation and replacement, which is particularly important as often harmful contaminants are captured within the filter. **See page 9 for more information**

Find out more: bofainternational.com/deeppleatduo



HEPA filter

Removes 99.997% of particles at 0.3 micron in size.

Find out more: bofainternational.com/hepa



ACF: Advanced carbon filter

ACF assures safe capture and removal of hazardous fumes. Contaminated air must remain in contact with the carbon bed for a period of time sufficient to ensure that no contaminants or odours are emitted ('dwell time'). Our design considers the balance between airflow rates and the type, depth and surface area of the carbon used to ensure suitability for the contaminants associated with the application and to ensure appropriate dwell times are achieved.

Our filters have been developed to capture contaminants and odours, eliminating the risk of bypass and/or tunnelling.

Find out more: bofainternational.com/acf



AFC: Automatic flow control

AFC allows the operator to preset correct airflow rates for the specific application, subsequently maintaining this airflow. This generates lower noise levels and ensures further protection of HEPA filters.

Find out more: bofainternational.com/afc



SFT: SMART filter technology

The new SMART filter system works with iQ2 to give assured filter performance. It incorporates RFID technology, so each filter has a uniquely coded, non removable label, allowing the iQ2 Operating System to establish authenticity and suitability.

Find out more: bofainternational.com/sft



RFA: Reverse flow air technology

RFA enhances filter performance and ensures longer filter life. It causes a fall in velocity and air direction change. Larger particulate falls out of the airstream into the drop out chamber. With less particulate entering the filter media the filter life is significantly increased. Contaminated air entering the drop out chamber is pulled vertically through the filters.

Find out more: bofainternational.com/rfa



MVS: Multi voltage sensing unit

Our MVS units automatically sense local voltage and automatically operate between 90-257V, for global use.



PATENTED technology

We invest in innovation and our products have a heritage of being tried, tested and trusted. We take great care in protecting our intellectual property and our integrity. Our product range includes aspects which are protected under patent copyright, design copyright, registered design and trade mark laws.



SureCHECK quality standard

In recognition of the importance of quality, health and safety and environmental management, we have created our own stringent SureCHECK quality standard, applied to every product we make.

Find out more: bofainternational.com/surecheck



ProTECT

Our ProTECT service plan gives you peace of mind that your LEV systems are being expertly maintained throughout their working life.

Find out more: bofainternational.com/protect

Technical information in this brochure is correct at time of publishing. Please contact us for details.

LASER FUME EXTRACTION

ADVANTAGE range

By maintaining a dust-free operating area, our systems help to protect valuable equipment, maintain a higher quality mark and reduce the number of rejects and contaminants.

Applications

Traceability and date codes

Deep laser engraving

Laser coding

Laser marking

Laser drilling

Laser cutting

Laser welding

Laser etching

Laser engraving

Laser micro-machining

Web scoring

Laser perforating

Laser cleaning

Laser kiss cutting

Laser pairing



BOFA's ADVANTAGE range of laser fume extraction and filtration systems are designed for applications that generate particulate and gaseous volatile organic compounds (VOCs) within the laser coding, marking, cutting and engraving industries. Our Base units have been designed so that a number of manufacturer's laser engravers can sit on top of the extractor, effectively doubling up as a work station.

FEATURED PRODUCT – BEST IN CLASS

AD Oracle iQ2

iQ2 takes performance and safety parameters to a new level, adding significantly to the list of seller and user benefits. It combines field proven iQ reliability with a range of new and highly advanced feature enhancements, including Fieldbus connectivity, two-way communication and control, and SMART filter technology.

Standard features

- Fieldbus connectivity
- Independent filter monitoring
- Filter status warnings
- Colour touchscreen
- Remote monitoring and control
- DeepPleat DUO pre filter
- HEPA filter
- Automatic flow control
- Reverse flow air technology
- Advanced carbon filter technology
- 'Run safe' operation
- Multi voltage unit

Optional features

- SMART filter technology

See page 6 for more detail about iQ2 and SMART filters

The premier choice and best in class solution with unique features in a global unit.



OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

LASER FUME EXTRACTION

ADVANTAGE range



AD Access

A compact system for light duty laser marking, coding and engraving applications. The AD Access combines economic ownership with performance to match the small laser user, ensuring safe operator working conditions and product quality.

A three-stage filter condition indicator is included as a standard feature.

Approvals CE | cUL | UL

Dimensions 505 x 335 x 315mm
19.88 x 13.19 x 12.40"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-access



AD Fusion

The AD Fusion has been designed to work with the new generation of low cost laser systems. It provides high performance at affordable prices and is ideally matched with smaller laser systems.

Approvals CE

Dimensions 590 x 380 x 440mm
23.2 x 38.6 x 17.3"

Airflow/Pressure 285m³/hr / 24mbar
167cfm / 24mbar

Technology



Datasheet download

bofainternational.com/ad-fusion



AD 250

The AD 250 provides a cost effective solution for light duty applications. This compact and extremely quiet system is ideal for use in schools, sign making workshops, small scale industrial environments and light laser coding applications.

Approvals CE | cUL | UL

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-250



AD 350

The quiet and compact AD 350 effectively removes potentially harmful fumes and particulate created during light duty laser marking, coding and engraving applications making it ideal for use in schools, sign making workshops and small scale industrial environments.

Approvals CE | cUL | UL

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-350

OUR LEADING TECHNOLOGY





AD Nano

The AD Nano is ideal for small scale industrial environments and light to medium laser coding applications. The reverse flow air filter technology enhances filter performance and ensures longer filter life, with its DeepPleat DUO filter technology.

Approvals CE

Dimensions 790 x 360 x 420mm
31.1 x 14.17 x 16.54"

Airflow/Pressure 170m³/hr / 30mbar
100cfm / 30mbar

Technology



Datasheet download
bofainternational.com/ad-nano



AD Nano+

This compact 'go anywhere' fume extraction system is feature-packed for big performance in small scale industrial sites and light laser coding applications. Incorporating many of the features found on our larger systems, the AD Nano+ is a cost effective solution for light to medium duty applications, making it the ideal choice for installations where floor space is limited.

The use of an auto-voltage sensing blower means that the unit can be used anywhere in the world.

Approvals CE

Dimensions 790 x 360 x 420mm
31.1 x 14.17 x 16.54"

Airflow/Pressure 300m³/hr / 96mbar
176cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-nano-plus



AD Universal

This compact system is ideal for light to medium small scale industrial environments.

Approvals CE

Dimensions 625 x 385 x 525mm
24.61 x 15.16 x 20.67"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-universal



AD Oracle SA iQ

This compact laser fume extractor incorporates a powerful range of unique features into one unit. It uses a smaller pre filter to the AD Oracle iQ, but includes all the other features, making it ideal for lighter use applications.

Approvals CE | cUL | UL

Also fits the FireBox MA and FireBox GA - See page 61

Dimensions 740 x 450 x 515mm
29.33 x 17.72 x 20.28"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-oracle-sa-iq



LASER FUME EXTRACTION

ADVANTAGE range



AD Oracle iQ

The AD Oracle iQ combines a powerful range of unique features into one compact unit. This versatile system can be used across a range of laser applications and the revolutionary auto-voltage sensing blower automatically self adjusts to run on any voltage worldwide.

Approvals CE | cUL | UL

Our inline AD Cyclone has been designed to separate lower particle sizes during laser marking process. *See page 60.*

Also fits the FireBox MA and FireBox GA - See page 61

Dimensions 975 x 455 x 505mm
38.39 x 17.91 x 19.88"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-oracle-iq



AD Oracle iQ2

Featured product - see page 13

The next generation of fume extraction, the AD Oracle iQ2 combines field proven iQ technology with a range of new and highly advanced features, including Fieldbus connectivity; two-way communication and control; accurate filter monitoring - to ensure maximum lifespan and no unplanned maintenance - and remote reporting and diagnostics.

It can be used across a wide range of laser applications, with the option to have SMART filters.

See pages 6-7 for more information about iQ2 and SMART filters.

Approvals CE

Our inline AD Cyclone has been designed to separate lower particle sizes during laser marking process. *See page 60.*

Also fits the FireBox MA and FireBox GA - See page 61

Dimensions 982 x 470 x 516mm
38.66 x 18.5 x 20.3"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-oracle-iq2



AD 500 iQ / 1000 iQ / 1500 iQ

These mid to high end laser fume extraction systems combine extremely large filter capacity with high airflow and pressure rates, making them the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Performance has been further enhanced with the inclusion of several features including BOFA's acclaimed patented iQ Operating System.

Approvals CE | cUL | UL

AD 500 iQ / 1000 iQ / 1500 iQ fit the FireBox MA+ and FireBox GA+ - See page 61

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

AD 500 iQ
Airflow/Pressure 550m³/hr / 100mbar
324cfm / 100mbar

AD 1000 iQ
Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

AD 1500 iQ
Airflow/Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/ad-500-iq
bofainternational.com/ad-1000-iq
bofainternational.com/ad-1500-iq

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table on page 20-21



AD 2000 iQ

The AD 2000 iQ's technology delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. The dual filter system creates maximum capacity while the three-stage filtration process ensures peak performance. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access control display panel is conveniently located on top of the unit.

The AD 2000 iQ's design also permits greater flexibility of different exhaust installations and different configurations allowing recirculation via the rear panel or externally vented hose connection systems.

Approvals CE

Dimensions 1280 x 1360 x 1005mm
50.39 x 53.54 x 39.57"

Airflow/Pressure 2500m³/hr / 96mbar
1470cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-2000-iq



AD 4000 iQ

The AD 4000 iQ delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up from the triple DeepPleat DUO and combined filter setup. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access control display panel is conveniently located on top of the unit.

The AD 4000 iQ's design also permits greater flexibility of different exhaust installations. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

Approvals CE

Dimensions 1300 x 1955 x 1100mm
51.18 x 76.97 x 43.31"

Airflow/Pressure 3600m³/hr / 44mbar
2119cfm / 44mbar

Technology



Datasheet download

bofainternational.com/ad-4000-iq



AD 4000

BOFA's AD 4000 laser fume extraction unit combines large filter capacity with high airflows. This combination makes the AD 4000 ideal for large laser engravers, laser cutters as well as multiple laser coding installations.

Easily accessible filters are accommodated by the uniquely styled gas spring assisted 'gull winged' doors, which allow for maximum space and ease when changing filters.

Unit interfaces such as stop/start and system failure are available as options.

Approvals CE

Dimensions 1475 x 1450 x 1500mm
58 x 57 x 59"

Airflow/Pressure 4000m³/hr / 30mbar
2354cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-4000



LASER FUME EXTRACTION

ADVANTAGE range



AD PVC iQ

The AD PVC iQ extraction system has been designed to effectively deal with the corrosive nature of the fumes generated when lasering PVC materials.

The latest design specification includes many of the features associated with our AD Oracle iQ (page 16) model as standard but in addition all internally exposed surfaces have been coated to resist the corrosive nature of the fume and each unit is fitted with HCL and VOC sensors which continually monitor the exhaust air of the unit giving added safety assurance.

Approvals CE | cUL | UL

Dimensions 1090 x 570 x 600mm
42.91 x 22.44 x 23.62"

Airflow/Pressure 350m³/hr / 96mbar
206cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-pvc-iq



AD GoldSEAL + Cyclone

This unit offers the complete solution for the extraction, filtration and recovery of precious metals. The particles are collected in an easy to remove tray and the HEPA filter can be incinerated to reveal the precious metal collected during the filtration process.

Automatic flow control allows the user to pre-set correct airflow rates, for lower noise levels and further protection of the HEPA filter. The cyclone enables the separation of precious metals before they even reach the main extraction area, allowing for easier and more efficient collection, as well as prolonging the life of the main filter.

Approvals CE

Dimensions 755 x 650 x 560mm
29.72 x 25.60 x 22.05"

Airflow/Pressure 267m³/hr / 96mbar
157cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-goldseal-plus-cyclone



AD Base 1 Oracle

Suitable for a range of lasers, the AD Base 1 Oracle combines a DeepPleat DUO pre filter and auto-voltage blower in a compact base system. BOFA's easi-seal filter location makes filter change easy, quick and safe.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

Approvals CE

Dimensions 790 x 735 x 740mm
31.10 x 28.94 x 29.13"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-base-1-oracle



AD Base 2 Oracle

Adapting the AD Base 1 Oracle, this unit sits lower to allow larger bed lasers to be placed securely on top whilst giving a direct extraction system. This system also benefits from a DeepPleat DUO pre filter and multi voltage sensing unit.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

Approvals CE

Dimensions 550 x 1060 x 810mm
21.65 x 41.74 x 31.89"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download

bofainternational.com/ad-base-2-oracle

OUR LEADING TECHNOLOGY





AD Base 3

The AD Base 3 is designed for the smaller Universal Versa Laser. The optional onboard compressor makes this a compact installation.

Approvals CE

Dimensions 775 x 510 x 680mm
30.51 x 20.08 x 26.77"

Airflow/Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-base-3



AD Base C180

Bespoke unit tailored to match the GCC C180 laser engraver. The dimensions of the unit allows the C180 to fit perfectly onto the extractor, effectively doubling it up as a work station. The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements and comes complete with extraction hose kit and compressor link up on compressor models.

Approvals CE

Dimensions 795 x 740 x 720mm
31.30 x 29.13 x 28.35"

Airflow/Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-base-c180



AD Base Z

The AD Base Z has been designed specifically for the Epilog Zing laser engraver. The dimensions of the unit allow the Zing to fit perfectly onto the extractor, effectively doubling it up as a work station. The distinctive blue finish has been matched with the blue ends of the laser to give a stylish installation.

The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements. All units come complete with extraction hose kit and compressor link up on compressor models.

Approvals CE

Dimensions 780 x 780 x 600mm
30.71 x 30.71 x 23.62"

Airflow/Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-base-z

LASER FUME EXTRACTION

ADVANTAGE range



Mobile FumeKART

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, weld fumes, vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre filter, HEPA and gas filter.

Approvals CE

Dimensions 875 x 475 x 430mm
37.4 x 18.7 x 17"

Airflow/Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download
bofainternational.com/mobile-fumekart

FILTER TECHNOLOGY

The majority of systems in the ADVANTAGE range incorporate three-stage filtration: pre filter, HEPA and chemical section. Many units are also enhanced with our patented DeepPleat DUO pre filter, with its large capacity drop-out chamber to ensure maximum filter capacity. See page 59-61 for our inline filters and cooling units.

bofainternational.com/filters

INLINE FILTERS

We have a range of inline filters ideal for heavy duty applications.

For more information, please see page 60-61.

ACCESSORIES

We have created a wide range of hose kits to complement the ADVANTAGE range. You'll find the shape, size and combinations most suited to your laser application.

For more information, see page 58-59; contact your sales representative; or visit bofainternational.com/accessories

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

STANDARD FEATURES

OPTIONAL FEATURES

Intelligent (iQ) Operating System
Intelligent (iQ2) Operating System
Filter condition indicator
High airflow & pressure rates
Long life, low cost replacement filters
Digital speed control
Easi-seal filter location
Auto sensing voltage (90-257V) for global use
Automatic flow control system
Lockable castors
Unique gas spring assisted 'gull winged' doors for filter access
Acid resistant coating
HEPA filter technology
CE
UL
cUL
Brushless motor
SureCHECK quality standard
ProTECT
SMART filter technology
VOC gas sensor (Volatile Organic Compound)
Remote stop/start interface
Filter change/system fail signal
Onboard compressor
Variety of arms/hoods

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table

	AD Access	AD Fusion	AD 250	AD 350	AD Nano	AD Nano+	AD Universal	AD Oracle SA IQ	AD Oracle IQ	AD Oracle IQ2	AD 500 iq	AD 1000 iq	AD 1500 iq	AD 2000 iq	AD 4000 IQ	AD 4000	AD PVC IQ	AD GoldSEAL + Cyclone	AD Base 1 Oracle	AD Base 2 Oracle	AD Base 3	AD Base C180	AD Base Z	Mobile FumekART
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ELECTRONICS

FUME EXTRACTION

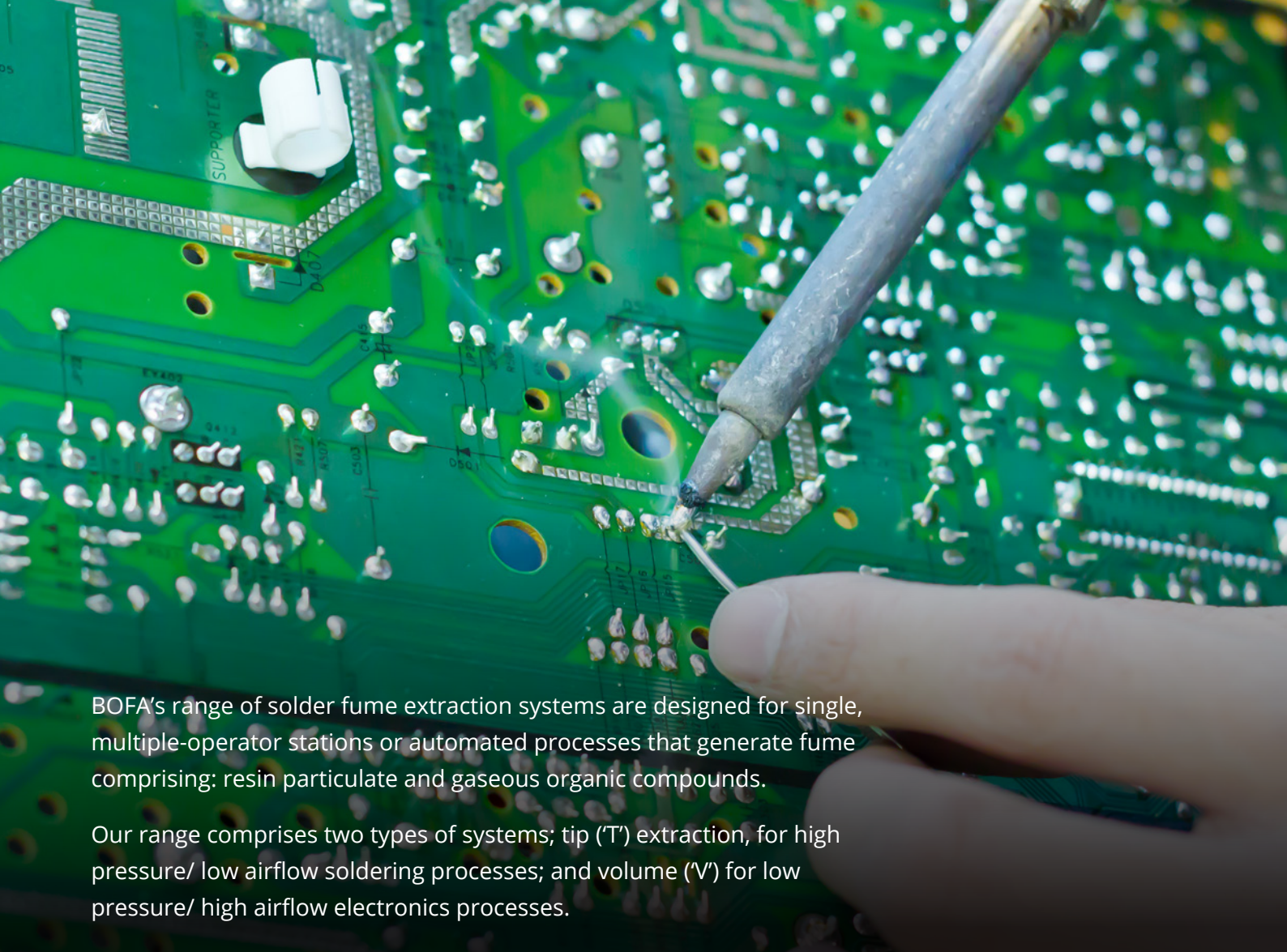
Tip and volume range

Applications

Hand soldering
Wave soldering
Selective soldering
Reflow ovens
Rework stations
PCB drilling
De-soldering

Brazing
Soft soldering
Silver soldering
Tinning
Lead free soldering
Laser soldering
Spray cleaning

PCB de-lugging
Gluing
Potting
Tip extraction
Arm extraction
Machine soldering
Automated soldering



BOFA's range of solder fume extraction systems are designed for single, multiple-operator stations or automated processes that generate fume comprising: resin particulate and gaseous organic compounds.

Our range comprises two types of systems; tip ('T') extraction, for high pressure/ low airflow soldering processes; and volume ('V') for low pressure/ high airflow electronics processes.

FEATURED PRODUCT – BEST IN CLASS



V 250

Dual arm extraction system purpose built to protect two operators working on solder applications. The V250 is enhanced by multiple configuration options and hose kits.

Standard features

- Three-stage filtration
- Low noise levels
- Advanced carbon filter technology
- HEPA and gas combined filter
- Filter blocked indicator

For optional features, see page 29

Low noise level and fully comprehensive filtration - ideal for factories with changing production demands.

OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

ELECTRONICS FUME EXTRACTION

Tip and volume range

TIP



TVT 2

A light weight and portable fume extraction system, which runs from compressed air rather than an electric supply, making it extremely quiet in operation. This venturi system requires six bar of compressed air and is capable of extracting fume from two operator stations.

The TVT 2's high vacuum extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

Approvals CE

Ideal partner to the solder iron connection kit - see page 58

Dimensions 170 x 170 x 150mm
6.7 x 6.7 x 5.9"

Airflow 22 l/min per tip

Technology



Datasheet download

bofainternational.com/tvt2



T 1

Single operator high vacuum extraction system for hand solder applications. Designed specifically for portability and extremely low noise levels.

The T 1 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

Approvals CE

Ideal partner to the solder iron connection kit - see page 58

Dimensions 270 x 200 x 185mm
10.63 x 7.87 x 7.28"

Airflow 22 l/min per tip

Technology



Datasheet download

bofainternational.com/t1



T 15

Mid-range high vacuum fume extraction system with a built in silencer for low noise levels. With its three-stage filtration and filter warning indicator, this is a true industry favourite, suitable for 5-15 operators.

The T 15 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

Approvals CE

Ideal partner to the solder iron connection kit - see page 58

Dimensions 575 x 370 x 340mm
22.64 x 14.57 x 13.39"

Airflow 22 l/min per tip

Technology



Datasheet download

bofainternational.com/t15



T 30A

The T 30A is the most advanced system in our range of high vacuum units. With a built in silencer, for low noise levels, a large carbon filter and a filter warning indicator this is a true industry favourite.

The T 30A extracts and filters fumes and debris through small bore hoses. It is ideally suited to hand soldering iron tip extraction, protecting up to 30 operators with its automatic airflow control and three-stage filtration process. The unit can also be used for vac pens and any application requiring close proximity, such as microextraction.

The automatic flow control allows the unit to be set to the optimum flow rate to suit the number of operators connected to the system. The unit will then maintain the set airflow over the life of the filters ensuring maximum protection to the operators.

Approvals CE

Ideal partner to the solder iron connection kit - see page 58

Dimensions 725 x 450 x 480mm
28.54 x 17.72 x 18.90"

Airflow 22 l/min per tip

Technology



Datasheet download

bofainternational.com/t30a

OUR LEADING TECHNOLOGY





T 60

The T 60 high vacuum unit is designed to extract and filter fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, micro extraction.

Due to the high concentration of debris generated from up to 60 operators, this system has been designed to keep the unit compact, but still utilise a comprehensive filter system. With this in mind, the unit incorporates a facility for retaining a high concentration of particulate within the filter enclosure.

Approvals CE

Dimensions 700 x 475 x 770mm
27.6 x 18.7 x 30.3"

Airflow 22 l/min per tip

Technology



Datasheet download
bofainternational.com/t60



T 100

The T 100 high vacuum unit is designed to extract and filter fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, micro extraction.

Due to the high concentration of debris generated from up to 100 operators, this system has been designed to keep the unit compact, but still utilise a comprehensive filter system. With this in mind, the unit incorporates a facility for retaining a high concentration of particulate with the filter enclosure.

Approvals CE

Dimensions 700 x 475 x 770mm
27.6 x 18.7 x 30.3"

Airflow 22 l/min per tip

Technology



Datasheet download
bofainternational.com/t100

VOLUME



V 200

The V 200 is a single arm, portable solder fume extraction system that comes complete with an extraction arm and installation kit containing everything required to set up an operator with ease.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

Approvals CE

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow/Pressure 90m³/hr / 20mbar
53cfm / 20mbar

Technology



Datasheet download
bofainternational.com/v200



V 250

Featured product - see page 23

The V 250 is a dual arm, portable solder fume extraction system that comes complete with two extraction arms and installation kits containing everything required to set up two operators with ease. The filter status indicator ensures users change the filter only when required.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

Approvals CE

Ideal partner to the FumeCAB 250 - see page 52

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download
bofainternational.com/v250



ELECTRONICS FUME EXTRACTION

Tip and volume range



V 300E

Entry level arm fume extraction for solder applications. This compact, low cost system is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

Approvals CE

Dimensions 450 x 330 x 310mm
17.7 x 13.8 x 12.2"

Airflow/Pressure 320m³/hr / 5mbar
188cfm / 5mbar

Technology



Datasheet download
bofainternational.com/v300e



V 350E

The V 350E is a compact, low cost extraction system, which is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

Approvals CE

Dimensions 517 x 370 x 370mm
20.4 x 14.6 x 14.6"

Airflow/Pressure 540m³/hr / 4mbar
317cfm / 4mbar

Technology



Datasheet download
bofainternational.com/v350e



V 600

A truly state of the art fume purification solution, the V 600 is within our high end range of extraction systems, combining large filter capacity with high airflows and pressure. It benefits from reverse flow design and DeepPleat pre filter technology for extremely long filter life.

This unit incorporates three-stage filtration, a filter condition display, and built in silencing and can accommodate up to seven operators.

Approvals CE

Pair this with FumeCAB 600 - see page 52

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow/Pressure 350m³/hr / 96mbar
206cfm / 96mbar

Technology



Datasheet download
bofainternational.com/v600



V Oracle SA iQ

Our most technically advanced global solution for high volume arm solder fume extraction.

The V Oracle SA iQ has been enhanced with BOFA's iQ Operating System and incorporates a powerful range of unique features into one compact unit.

Approvals CE

Dimensions 745 x 450 x 515mm
29.33 x 17.72 x 20.28"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/v-oracle-sa-iq

OUR LEADING TECHNOLOGY





V Oracle iQ

This advanced high volume tip extractor combines a powerful range of features into one unit.

This versatile unit can be used across a range of electronics applications and the revolutionary auto-voltage sensing blower automatically self adjusts to run on any voltage worldwide.

Approvals CE

Dimensions 975 x 455 x 505mm
38.39 x 17.91 x 19.88"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/v-oracle-iq



V 500 iQ / 1000 iQ / 1500 iQ

These high volume fume extraction systems combine extremely large filter capacity with high airflow and pressure rates. These are the ideal choice for heavy duty hand and machine automated solder applications that generate large amounts of particulate and gaseous organic compounds. The AD 500 iQ can cater for up to 10 operators, whilst the AD 1000 iQ can cater for up to 15 operators and the AD 1500 iQ can cater for up to 20 operators, as a centralised system or can be used to extract fumes from automated soldering machines.

Approvals CE | cUL | UL

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

V 500 iQ
Airflow/Pressure 550m³/hr / 100mbar
324cfm / 100mbar

V 1000 iQ
Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

V 1500 iQ
Airflow/Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/v500-iq
bofainternational.com/v1000-iq
bofainternational.com/v1500-iq



V 2000 iQ

The V 2000 iQ's technology delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. The dual filter system creates maximum capacity while the three-stage filtration process ensures peak performance. This makes it suitable for the most demanding and complex installations, such as reflow ovens, wave solder machines and conformal coating systems, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access control display panel is conveniently located on top of the unit. The V 2000 iQ's design also permits greater flexibility of different exhaust installations. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

Approvals CE

Dimensions 1280 x 1360 x 1005mm
50.39 x 53.54 x 39.57"

Airflow/Pressure 2500m³/hr / 96mbar
1470cfm / 96mbar

Technology



Datasheet download
bofainternational.com/v2000-iq



ELECTRONICS FUME EXTRACTION

Tip and volume range



V 4000

High airflow fume extraction system for reflow ovens, wave solder machines and conformal coating systems.

BOFA's V 4000 volume fume extraction system has the capacity to be used on all manufacturers of automated soldering systems such as reflow ovens.

Large filter capacity and vast carbon filters ensure long filter life and optimum extraction even when lead free solder is used.

Adjustable and regulated airflow control ensures consistent temperatures within the solder machine /reflow oven, throughout the life of the filters.

Approvals CE

Dimensions 1475 x 1450 x 1500mm
58 x 57 x 59"

Airflow/Pressure 4000m³/hr / 30mbar
2354cfm / 30mbar

Technology



Datasheet download
bofainternational.com/v4000

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

FILTER TECHNOLOGY

Our electronics range is designed around a complete three-stage filtration setup. These three stages give complete filtration at all levels and provide protection from different hazardous particulate and fume elements. The cheaper pre filter is designed as a barrier for the majority of contaminate, protecting the more expensive HEPA and carbon filters, allowing for longer filter life and lower cost of ownership across the lifetime of the unit.

For more information visit bofainternational.com/filters

ACCESSORIES

We have created an extensive range of accessories and hose kits to complement the electronics range. From LED light arms to down draught trays and cowls, you'll find the perfect accessory to match your extractor and an array of hose kits in many shapes, sizes and combinations most suited to your application - see page 58; contact your sales representative for more information; or visit bofainternational.com/accessories



FUME CABINETS

We have a comprehensive range of fume extraction cabinets suitable for the electronics industry, from small applications right up to large scale processes.

See pages 52-53 for more information.

MOBILE FUMEKART

This unit is the ideal portable extraction system for variety of soldering applications that need a portable system.

See page 20 for more information.

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table

	TVT 2	T 1	T 15	T 30A	T 60	T 100	V 200	V 250	V 300E	V 350E	V 600	V Oracle SA iQ	V Oracle iQ	V 500 iQ	V 1000 iQ	V 1500 iQ	V 2000 iQ	V 4000
STANDARD FEATURES	Three-stage filtration	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
	Compact design	✓	✓	✓			✓	✓	✓	✓	✓	✓						
	High vacuum blowers			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓
	Digital speed control									✓								
	Auto sensing voltage (90-257V) for global use									✓	✓	✓						
	Intelligent (iQ) Operating System											✓	✓	✓	✓	✓	✓	✓
	Automatic flow control system				✓							✓	✓	✓	✓	✓	✓	✓
	'Easi-seal' filter location				✓							✓	✓	✓	✓	✓	✓	✓
	Brushless motor		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Filter blocked indicator			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	Reverse flow air technology				✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL													✓	✓	✓		
	cUL													✓	✓	✓		
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OPTIONAL FEATURES	VOC gas sensor (Volatile Organic Compound)									✓	✓	✓	✓	✓	✓	✓	✓	
	Remote stop/start interface			✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	
	Filter change system fail signal			✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	
	Onboard compressor											✓	✓	✓				
	Digital speed control							✓										



PRINTING & 3D PRINTING

FUME EXTRACTION

PrintPRO and 3D PrintPRO range

Applications - Printing

Flags, banners & posters
Direct to fabric
Dye sublimation
UV printing
Solvent ink

Mid solvent ink
Low solvent ink
MEK
Flexographic printing
Letter press plates

Digital flexo plates
UV coating
Inkjet printing
Screen printer

Applications - 3D Printing

Stereolithography
Digital light processing
Continuous digital light processing
Fused filament fabrication
Material jetting
Nano particle jetting

Drop on demand
Binder jetting
Multi jet fusion
Selective laser sintering
Direct metal laser sintering
Selective laser melting

Electron beam melting
Laser engineering net shape
Electron beam additive manufacturing
Laminated object manufacturing



BOFA's range of PrintPRO and 3D PrintPRO print fume extraction systems are designed for applications that generate particulate and gaseous organic compounds within the wide and super-wide printing sector. Solutions are available for a variety of ink types including: solvent, UV and dye sublimation.

FEATURED PRODUCT – BEST IN CLASS



PrintPRO Universal

The flagship product in our printing range, the PrintPRO Universal is a compact unit with a large gas filter. It is designed exclusively for the print and print finishing industries with unique features to effectively capture and remove a wide range of solvents generated within these environments, including MEK, ketones and ozone from UV applications.

The unit is easily adapted to a huge range of environments, including wide format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mailroom applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

Standard features

- Long life, low cost replacement filters
- High airflow pressure rates
- Advanced carbon filter technology

For optional features - see page 37

Easily adapted to a huge range of print environments.

OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

PRINTING & 3D PRINTING FUME EXTRACTION

PrintPRO and 3D PrintPRO range

PRINTING



PrintPRO Universal *Featured product - see page 31*

The PrintPRO Universal is a compact unit with a large gas filter. It is designed exclusively for the print and print finishing industries with unique features to effectively capture and remove a wide range of solvents generated within these environments, including MEK, ketones and ozone from UV applications.

The unit is easily adapted to a huge range of environments, including wide format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mailroom applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

Approvals CE | cUL | UL

Dimensions 625 x 385 x 525mm
24.60 x 15.16 x 20.67"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/printpro-universal



PrintPRO 500 iQ / 1000 iQ / 1500 iQ

These mid to high end extraction systems combine extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Approvals CE | cUL | UL

Dimensions 1205 x 615 x 790mm
47.44 x 24.22 x 31.10"

PrintPRO 500 iQ
Airflow/Pressure 550m³/hr / 100mbar
324cfm / 100mbar

PrintPRO 1000 iQ
Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

PrintPRO 1500 iQ
Airflow/Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/printpro-500-iq
bofainternational.com/printpro-1000-iq
bofainternational.com/printpro-1500-iq



PrintPRO 2000 iQ

The PrintPRO 2000 iQ fume extraction unit packs a heavyweight punch with the unsurpassed filter capacity of two DeepPleat DUOs and high performance for the printing industry.

Its technology is proven to deliver superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. Its high vacuum and pressure makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes, solvents and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access control display panel is conveniently located on top of the unit. The PrintPRO 2000 iQ's design also permits greater flexibility of different exhaust installations and configurations allowing recirculation via the rear panel or externally vented hose connection systems.

Approvals CE

Dimensions 1280 x 1360 x 1005mm
50.39 x 53.54 x 39.57"

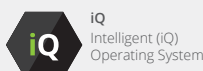
Airflow/Pressure 2500m³/hr / 96mbar
1470cfm / 96mbar

Technology



Datasheet download
bofainternational.com/printpro-2000-iq

OUR LEADING TECHNOLOGY





PrintPRO 4000

BOFA's PrintPRO 4000 print fume extraction unit combines large filter capacity with high airflows.

This is our high end fume extraction and filtration system and has been purposely designed to filter the fumes generated by printers. It combines extremely large filter capacity with high airflows and pressure. It is ideal for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Easily accessible filters are accommodated by the uniquely styled 'clam shell' and 'gull winged' doors, which allow for maximum space and ease when changing filters.

Unit interfaces such as stop/start and system failure are available as options.

Approvals CE

Dimensions 1475 x 1450 x 1500mm
58 x 57 x 59"

Airflow/Pressure 4000m³/hr / 30mbar
2354cfm / 30mbar

Technology



Datasheet download
bofainternational.com/printpro-4000

DYE SUBLIMATION



PrintPRO Oracle DS

The PrintPRO Oracle DS is our mid to high end fume extraction and filtration system. It has been purposely designed to filter the fumes generated from dye sublimation printers and combines extremely large filter capacity with high airflows and pressure. This combination makes it ideal for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

The additional feature of BOFA's 'easi-seal' filter location mechanism makes filter change easy, quick and safe. A truly state of the art print fume purification solution.

Approvals CE

Dimensions 955 x 430 x 475mm
37.60 x 17 x 18.70"

Airflow/Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/printpro-oracle-ds



PrintPRO 400 DS / 800 DS / 1200 DS

These mid to high end fume extraction and filtration systems have been purposely designed to filter the fumes generated from dye sublimation printers. A hydrophobic HEPA filter is fitted as standard and an optional gas filter can be fitted as required.

These extraction systems combine extremely large filter capacity with high airflows and pressure, making it ideal for heavy duty applications that generate large amounts of gaseous organic compounds.

The coalescing filters trap glycol mist and combine it into larger droplets. These droplets then drip away from the filter when the extractor is stopped due to its reverse flow design. An automatic drain located in the base of the unit opens as soon as the extractor stops, allowing the glycol to exit the machine and be collected in a tray.

The 'easi-seal' filter location mechanism makes filter change easy, quick and safe.

Approvals CE

Dimensions 1205 x 615 x 790mm
47.44 x 24.22 x 31.10"

PrintPRO 400
Airflow/Pressure 400m³/hr / 100mbar
235cfm / 100mbar

PrintPRO 800
Airflow/Pressure 800m³/hr / 100mbar
470cfm / 100mbar

PrintPRO 1200
Airflow/Pressure 1200m³/hr / 100mbar
705cfm / 100mbar

Technology



Datasheet download
bofainternational.com/printpro-400-ds
bofainternational.com/printpro-800-ds
bofainternational.com/printpro-1200-ds

PRINTING & 3D PRINTING FUME EXTRACTION

PrintPRO and 3D PrintPRO range

3D PRINTING



3D PrintPRO 2

The 3D PrintPRO 2 is a low cost unit which extracts fumes generated by the printer without causing the filament deposition area to be cooled.

It has the benefits of low noise level and minimal power consumption. Each unit is supplied with a connection hose, 'stay put' arm, conical shaped nozzle and 'print your own' plenum instructions.

For more information see page 35.

Approvals CE

Dimensions 330 x 290 x 270mm
12.99 x 11.42 x 10.63"

Airflow 45m³/hr
26.5cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-2



3D PrintPRO 3

The 3D PrintPRO 3 incorporates an externally mounted plenum system which effectively captures fumes generated during the printing process and returns ultra clean, filtered air to the operator's breathing zone.

It has the benefits of low cost, low power consumption and integral speed control. Each filtration unit is supplied with connection hoses and 'print your own' plenum instructions.

For more information see page 35.

Approvals CE

Dimensions 400 x 290 x 300mm
15.75 x 11.42 x 11.81"

Airflow 150m³/hr
88cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-3



3D PrintPRO 4

The 3D PrintPRO 4 provides a high fume extraction and filtration rate when connected to a large enclosed 3D printer via its extraction take off point. The system can also return the filtered clean air either back to the printer enclosure for a cleaner print area or to the operator's breathing zone.

It combines high flow rate with speed control within a compact free standing unit.

Approvals CE

Dimensions 670 x 375 x 410mm
26.38 x 14.76 x 16.14"

Airflow 165m³/hr
97cfm

Technology

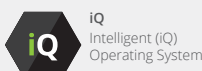


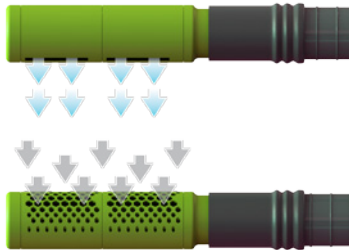
Datasheet download
bofainternational.com/3dprintpro-4

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

OUR LEADING TECHNOLOGY





'PRINT YOUR OWN' 3D MANIFOLDS

The BOFA 3D manifolds for 3D printing are provided free of charge for you to print your own.

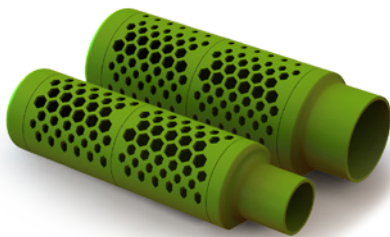
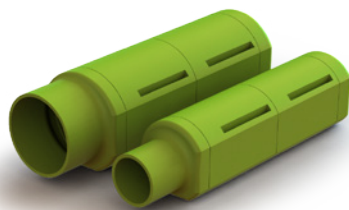
The two manifolds are designed to work with the 3D PrintPRO 2 and 3 extraction systems, to provide an air delivery system on one side of the 3D printer, and an air extraction system on the other.

There are four parts to each of the manifolds: a connection spigot; the first end piece; a middle piece (which can be repeated to extend the manifold); and an end piece.

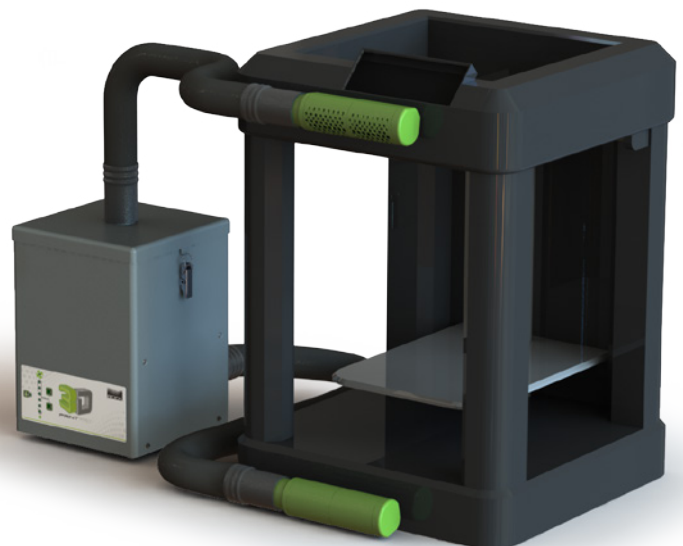
The air outlet has slots along the top of the manifold, allowing a clean band of ultra clean air to flood the open face of the printer.

The air inlet manifold has a open grill of hexagons sucking in the contaminated air, which will pull all the fumes and printing vapours away from the 3D printing area, allowing for a clean working environment and precise final print.

The end plug and connection spigots can be put on either end of the manifold and there is a choice of a straight or 90 degree bend spigot, to allow for correct positioning on the 3D printer.



bofainternational.com/en/print-your-own



FILTER TECHNOLOGY

The PrintPRO and 3D PrintPRO ranges incorporate a range of specially treated carbon filters specifically designed for print fumes, foam sponge filters and cheaper pre filters and high efficiency HEPA filters to provide maximum long life filter capacity, operator safety and low cost of ownership. This combination provides complete filtration protection for any printing application.

For more information visit bofainternational.com/filters

ACCESSORIES

BOFA has an extensive selection of hose kits, including the free downloadable 'print your own' manifolds for 3D printing, (see above) which fit all types of applications and printing processes.

For more information, see page 58; contact your sales representative; or visit bofainternational.com/accessories

PRINTING & 3D PRINTING FUME EXTRACTION

PrintPRO and 3D PrintPRO range

Work with BOFA to create the perfect solution for you...

The 3D printing and additive manufacturing industry is moving at a rapid pace with new materials and processes being tested and implemented all the time.

We already work with companies to create personalised and bespoke solutions, whether they are stand alone; ride on; or integrated solutions.

PERSONALISED SOLUTIONS

Product customisation

Speak to our experts about your specific requirements and how we can work with you to create the perfect system to complement your product.

- Sockets and connectors
- VOC sensor
- Compressor
- Air conditioner

Customisable controls and communications

- Universal voltage system – one part number worldwide
- Auto start/ stop
- Overrun
- Warnings and alarm outputs

Customised branding

- Standard BOFA unit
- + product branding
- + your specific paint colour
- + accessories
- + spare filters
- + hose kit

BESPOKE SOLUTIONS

Unique products

Working with BOFA you'll have access to our unrivalled expertise to develop bespoke, personalised solutions.



Unit, filters and accessories, specific to your requirements.

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table

	PrintPRO Universal	PrintPRO 500 iQ	PrintPRO 1000 iQ	PrintPRO 1500 iQ	PrintPRO 2000 iQ	PrintPRO 4000	PrintPRO Oracle DS	PrintPRO 400 DS	PrintPRO 800 DS	PrintPRO 1200 DS	3D PRINTING		
											3D PrintPRO 2	3D PrintPRO 3	3D PrintPRO 4
STANDARD FEATURES	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Filter condition indicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	High airflow & pressure rates	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Long life, low cost replacement filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MEK carbon	✓	✓	✓	✓	✓							
	Small footprint	✓									✓	✓	✓
	Digital speed control	✓										✓	✓
	'Easi-seal' filter location		✓	✓	✓	✓	✓	✓	✓	✓			
	Auto sensing voltage (90-257V) for global use	✓					✓				✓	✓	
	Automatic flow control system		✓	✓	✓	✓	✓	✓	✓	✓			
	Intelligent (iQ) Operating System		✓	✓	✓	✓							
	Lockable castors	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
	Fluid collection tray						✓	✓	✓	✓			
	Reverse flow air technology		✓	✓	✓	✓	✓	✓	✓	✓			✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL	✓	✓	✓	✓								
	cUL	✓	✓	✓	✓								
	OPTIONAL FEATURES	VOC gas sensor	✓	✓	✓	✓	✓	✓	✓	✓			
Remote stop/start interface		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Filter change/system fail signal		✓	✓	✓	✓	✓	✓	✓	✓				
2 sponge filter version							✓	✓	✓				
Larger silencing inlet/outlet boxes		✓											





MECHANICAL ENGINEERING

DUST EXTRACTION

DustPRO range

Applications

Drilling

Routing

Mechanical engraving

Grinding

Rotary engraving

Linishing

CNC

Artifact restoration

Dust collectors

Industrial air filtration

Chip collectors

Weld cleaning



BOFA's DustPRO range of dust, particulate and fume collectors and extraction systems have been designed for the safe and effective removal of particulate, dust and swarf generated during processes.

FEATURED PRODUCT – BEST IN CLASS



DustPRO Universal

BOFA's DustPRO Universal stand alone dust extraction unit has been developed for the safe and effective removal of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

Standard features

- Digital speed control - for variable airflow rates
- Auto sensing voltage (90-257V) for global use
- Filters with long life and low replacement cost
- High vacuum blower for effective capture from source
- Brushless motor = longer life
- High efficiency five layer large capacity easy change filter
- HEPA filtration
- Filter full indicator
- Quiet in operation
- Small footprint

For optional features, see page 43.

The unit's high vacuum pump is brushless and designed for long-term continuous running.

OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

MECHANICAL ENGINEERING DUST EXTRACTION

DustPRO range



DustPRO 50

The DustPRO 50 is a small, compact high vacuum unit with a large capacity bag filter for light weight applications.

One of the main problems with other router extraction relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in the DustPRO 50 dust and fume extraction system is brushless and designed for continuous running.

Approvals CE

Dimensions 575 x 320 x 295mm
22.64 x 12.60 x 11.61"

Airflow/Pressure 80m³/hr / 100mbar
47cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dustpro-50



DustPRO 75

The DustPRO 75 is a medium, compact high vacuum unit with a large capacity bag filter for light weight applications.

One of the main problems with other router extraction relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in the DustPRO 75 dust and fume extraction system is brushless and designed for continuous running.

Approvals CE

Dimensions 575 x 320 x 295mm
22.64 x 12.60 x 11.61"

Airflow/Pressure 120m³/hr / 100mbar
70cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dustpro-75



DustPRO 100

This unit has been developed for the safe and effective removal of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning. Its brushless motor is designed for continuous running and generates high vacuums while being quiet in operation. The large capacity bag filter has a very high efficiency.

Approvals CE

Dimensions 570 x 460 x 730mm
22.44 x 18.11 x 28.74"

Airflow/Pressure 180m³/hr / 110mbar
105cfm / 110mbar

Technology



Datasheet download
bofainternational.com/dustpro-100



DustPRO 250

BOFA's DustPRO 250 has a higher airflow, enabling stronger extraction. The blower used in the DustPRO 250 is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter makes it highly efficient.

The optional 24V start/stop and filter change system failure signal ensures efficiency in the running of the unit.

Approvals CE

Dimensions 520 x 290 x 270mm
20.47 x 11.42 x 10.63"

Airflow/Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download
bofainternational.com/dustpro-250

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table on page 43



DustPRO 400

The high vacuum blower used in the DustPRO 400 is the most powerful amongst the smaller units in the DustPRO range. It is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter has very high efficiency of 99.997% removal at 0.3 microns.

Approvals CE

Dimensions 600 x 290 x 270mm
23.62 x 11.42 x 10.63"

Airflow/Pressure 400m³/hr / 96mbar
235cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dustpro-400



DustPRO Universal *Featured product - see page 39*

The DustPRO Universal is BOFA's first choice industrial stand alone dust extraction and filtration system. Due to its high airflow and pressure rates, combined with a large 18 litre capacity filter bag and highly efficient HEPA filter, this unit is compact and versatile, meaning you can position it in a location to suit your application without hindering your process.

The unit's high vacuum blower is brushless and designed for longer running before requiring servicing.

Approvals CE | cUL | UL

Dimensions 590 x 460 x 535mm
23.23 x 18.11 x 21.06"

Airflow/Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dustpro-universal



DustPRO 500 iQ / 1000 iQ / 1500 iQ

These mid to high end extraction systems combine a 100 litre filter capacity pre filter with high airflow and pressure rates, making them the ideal choice for heavy duty applications that generate large amounts of particulate, with the added protection of the large HEPA filter.

One of the main problems with other dust extractors relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in these three units is brushless and designed for longer continuous running before requiring servicing.

Performance is further enhanced with the inclusion of several new features including our Intelligent (iQ) Operating System.

The units can be further enhanced with an additional silencer exhaust box.

Approvals CE | cUL | UL

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

DustPRO 500 iQ
Airflow/Pressure 550m³/hr / 100mbar
324cfm / 100mbar

DustPRO 1000 iQ
Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

DustPRO 1500 iQ
Airflow/Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dustpro-500-iq
bofainternational.com/dustpro-1000-iq
bofainternational.com/dustpro-1500-iq



MECHANICAL ENGINEERING DUST EXTRACTION

DustPRO range



Mobile FumeKART

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, mold spores, solvent vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre filter, HEPA and gas filter.

Approvals CE

Dimensions 840 x 475 x 550mm
33.07 x 18.7 x 21.65"

Airflow/Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download

bofainternational.com/mobile-fumekart

FILTER TECHNOLOGY

The DustPRO range incorporates large pre filter bags, coupled with high efficiency HEPA filters to provide maximum long life capacity, operator safety and low cost of ownership. This combination provides complete filtration for any industrial application.

For more information visit bofainternational.com/filters

INLINE FILTERS

We have a range of inline filters ideal for heavy duty applications.

For more information, please see page 60-61.

ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes.

For more information, see page 58; contact your sales representative; or visit bofainternational.com/accessories

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table

	DustPRO 50	DustPRO 75	DustPRO 100	DustPRO 250	DustPRO 400	DustPRO Universal	DustPRO 500 IQ	DustPRO 1000 IQ	DustPRO 1500 IQ	Mobile FumeKART
STANDARD FEATURES	Compact design	✓	✓	✓	✓					✓
	Auto sensing voltage (90-257V) for global use				✓	✓				
	Digital speed control				✓	✓				✓
	Automatic flow control system						✓	✓	✓	
	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Filter blocked indicator			✓	✓	✓	✓	✓	✓	✓
	HEPA filter technology			✓	✓	✓	✓	✓	✓	✓
	Reserve flow air technology						✓	✓	✓	
	Intelligent (iQ) Operating System						✓	✓	✓	
	Patented technology						✓	✓	✓	
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL					✓	✓	✓	✓	
	cUL					✓	✓	✓	✓	
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓
	OPTIONAL FEATURES	Remote stop/ start interface		✓	✓	✓	✓	✓	✓	✓
Filter change/ system fail signal			✓		✓	✓	✓	✓	✓	
Onboard compressor							✓	✓		
Larger silencing inlet/ outlet boxes							✓	✓	✓	
Variety of arms/hoods										✓





DENTAL

DUST AND FUME EXTRACTION

DentalPRO range

Applications

Dental milling	Local ventilation / fume extraction and filtration
Zirconium milling	Monomer mixing
Aluminium oxide milling	Hand working processes
Dust extraction	CAD/CAM manufacture
Spindle drivers	Crown and bridge frameworks
Zirconia	



BOFA's DentalPRO range of fume extraction systems effectively removes potentially harmful zirconia dust and particulate generated during the CAD/CAM manufacture and hand finishing of crown and bridge frameworks for dental implants.

FEATURED PRODUCT – BEST IN CLASS

DentalPRO Xtract 300

The Xtract 300 is ideally suited to manual bench top applications and provides technicians the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

Standard features

- Easily replaced screen protector ensures clear visibility at all times
- Internal storage trays
- Padded arm rests
- Internal LED lighting
- Rear entry grommets for mains powered hand finishing units
- Interchangeable accessories
- Removable collection trays
- Strong rigid construction

For optional features, see page 49

Flagship dust and fume extraction dental cabinet designed for multiple hand finishing or monomer mixing applications.



OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

DENTAL DUST AND FUME EXTRACTION

DentalPRO range



DentalPRO MONO

The DentalPRO Mono under bench fume extraction system effectively removes toxic fumes and vapours emitted by the mixing of monomers in dental laboratories. Designed for use with the DentalPRO Xtract 100 (page 48) or 200 (page 48) fume cabinets, this compact unit is ideally suited to monomer mixing applications with its large chemical filter. The low noise motor used in the DentalPRO Mono is brushless and designed for longer continuous running before requiring servicing.

This system combines easy controls with maximum technician protection, in a small footprint with low running costs.

Approvals CE

Dimensions 405 x 290 x 270mm
15.94 x 11.42 x 10.63"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download

bofainternational.com/dentalpro-mono



DentalPRO 150

BOFA's new DentalPRO high vac under bench dust extraction system effectively removes particulates generated during hand finishing of dental implants. It has a reduced foot print, making it ideal for positioning under or on the side of the work bench so technicians can work safely and without restriction.

Approvals CE

Dimensions 465 x 222 x 430mm
18.3 x 18.74 x 16.93"

Airflow/Pressure 150m³/hr / 180mbar
88cfm / 180mbar

Technology



Datasheet download

bofainternational.com/dentalpro-150



DentalPRO 250

BOFA's DentalPRO 250 under bench dust extraction system effectively removes particulates generated during the hand finishing of dental implants. It is ideally suited to manual bench top applications, where technicians need to be able to work without restriction, but in the knowledge that dust particles are being effectively removed to maintain a safe working environment.

A brushless motor, designed for longer continuous running before requiring servicing, a large bag filter with a 6.4 litre capacity and a high efficiency HEPA filter make this unit perfect for a single user system, combining maximum operator protection with a small footprint. It is an easy to operate unit with low running costs.

Approvals CE

Dimensions 520 x 290 x 265mm
20.47 x 11.42 x 10.53"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download

bofainternational.com/dentalpro-250



DentalPRO 400

This under bench multi user system effectively removes particulates generated during the hand finishing of dental implants and is ideally suited to manual bench top applications. Technicians can work without restriction, but in the knowledge that dust particles are being effectively removed to maintain a safe working environment.

A brushless high vacuum blower, for longer continuous running before requiring servicing, a bag filter with a large 6.4 litre capacity and a high efficiency HEPA filter make this unit perfect for dental hand finishing work for multiple users and low running costs.

Approvals CE

Dimensions 595 x 290 x 275mm
23.43 x 11.42 x 10.83"

Airflow/Pressure 400m³/hr / 96mbar
235cfm / 96mbar

Technology



Datasheet download

bofainternational.com/dentalpro-400

OUR LEADING TECHNOLOGY





DentalPRO Universal

BOFA's DentalPRO Universal stand alone dust extraction system effectively removes smaller particulates generated during the CAD/CAM milling of dental implants. The unit's high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively removed to maintain a clean working environment.

The unit's high vacuum pump is brushless and designed for continuous running for longer periods of time before requiring servicing. The bag filter has a large 18 litre capacity and the HEPA filter is highly efficient.

Approvals CE

Dimensions 590 x 460 x 535mm
23.23 x 18.11 x 21.06"

Airflow/Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dentalpro-universal



DentalPRO Base

BOFA's DentalPRO Base is a ride on dust extraction system, which effectively removes smaller particulates generated during the CAD/CAM milling of dental implants. The unit is designed for the milling machine to be securely placed on top of the extraction system, which itself doubles up as a space saving stand.

The unit's high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively removed, to maintain a clean working environment. The bag filter has a large 18 litre capacity and the HEPA filter has an efficiency of 99.997% down to 0.3 microns.

The high vacuum blower is brushless and designed for longer continuous running before requiring servicing. An added optional extra is an onboard compressor providing the miller with clean oil-free air for all compressed air requirements.

Approvals CE

Dimensions 610 x 670 x 765mm
24.02 x 26.38 x 30.12"

Airflow/Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dentalpro-base



DentalPRO 1000 iQ

BOFA's DentalPRO 1000 iQ's high airflow and pressure combined with extremely large filter capacity (100 litres) makes it perfect for multi station extraction. It is ideal for heavy duty applications that generate large amounts of particulate, especially multi-milling unit extraction.

The pump used in the DentalPRO 1000 iQ dust and fume extraction system is brushless and designed for continuous running before servicing.

The option of adding a silencer box means you can have quieter running operation.

Approvals CE

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dentalpro-1000-iq



DentalPRO 1000 iQ M

This unit 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 during the CAD/CAM milling of dental implants. It is designed as a centralised system, for multiple milling machines to be used at once.

The 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 provides long life, while the HEPA filter has an efficiency of 99.997% down to 0.3 microns ensuring a safe working environment.

Approvals CE

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

Airflow/Pressure 850m³/hr / 100mbar
500cfm / 100mbar

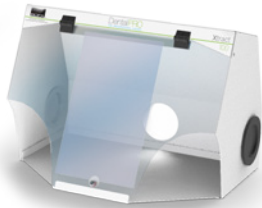
Technology



Datasheet download
bofainternational.com/dentalpro-1000-iq-m

DENTAL DUST AND FUME EXTRACTION

DentalPRO range



DentalPRO Xtract 100

BOFA's DentalPRO Xtract 100 dust and fume extraction cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

Approvals CE

Dimensions 290 x 400 x 345mm
11.42 x 15.75 x 13.58"

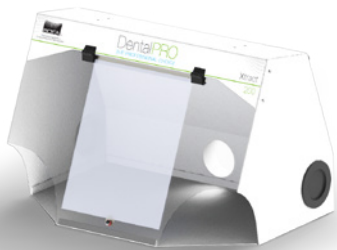
Opening Dimensions 265 x 400mm
10.4 x 15.6"

Technology



Datasheet download

bofainternational.com/dentalpro-xtract-100



DentalPRO Xtract 200

BOFA's DentalPRO Xtract 200 dust and fume extraction cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

Approvals CE

Dimensions 355 x 540 x 400mm
13.98 x 21.26 x 15.75"

Opening Dimensions 315 x 540mm
12.4 x 21.3"

Technology



Datasheet download

bofainternational.com/dentalpro-xtract-200



DentalPRO Xtract 300

*Featured product
- see page 45*

Dust and fume extraction cabinet for multiple hand finishing dental laboratory applications. BOFA's DentalPRO Xtract 300 dust and fume extraction dental cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

Approvals CE

Dimensions 380 x 730 x 520mm
14.96 x 28.74 x 20.47"

Opening Dimensions 380 x 695mm
14.96 x 27.36"

Technology



Datasheet download

bofainternational.com/dentalpro-xtract-300

DentalPRO accessories

BOFA offers a choice of interchangeable specialist accessories designed to work with the DentalPRO range, for use in all dental laboratory applications.

For more information, visit bofainternational.com/dental-accessories



OUR LEADING
TECHNOLOGY



PRODUCT FEATURES

Comparison table

	DentalPRO Mono	DentalPRO 150	DentalPRO 250	DentalPRO 400	DentalPRO Universal	DentalPRO Base	DentalPRO 1000 IQ	DentalPRO 1000 IQ M	DentalPRO Xtract 100	DentalPRO Xtract 200	DentalPRO Xtract 300
STANDARD FEATURES	Compact design	✓	✓	✓	✓				✓	✓	✓
	Auto sensing voltage (90-257V) for global use			✓	✓	✓					
	Digital speed control			✓	✓	✓					
	Automatic flow control system						✓	✓			
	Brushless motor	✓		✓	✓	✓	✓	✓			
	Filter blocked indicator	✓	✓	✓	✓	✓	✓	✓			
	Advanced carbon filter technology	✓					✓				
	HEPA filter technology		✓	✓	✓	✓	✓	✓			
	Reverse flow air technology						✓	✓			
	Patented technology						✓	✓			
	Replaceable protector screen								✓	✓	✓
	Internal LED strip light								✓	✓	✓
	Side entry grommets								✓	✓	✓
	Removable collection tray								✓	✓	✓
	Intelligent (iQ) Operating System						✓	✓			
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
OPTIONAL FEATURES	VOC gas sensor (Volatile Organic Compound)						✓				
	Remote stop/start interface			✓	✓	✓	✓	✓			
	Filter change/system fail signal			✓	✓		✓	✓			
	Foot switch		✓	✓							
	90° spigot lid		✓								
Onboard compressor					✓	✓	✓				

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

See pages 38-43 for more information.

HOW TO BUY BOFA

Go to page 10 to view our different buying options.





Our pharmaceutical and medical fume extraction range can be applied to a number of related applications associated with R&D laboratories and manufacturing facilities. They are ideal for applications that require the operator to work in close proximity to the process for precision accuracy but within an enclosed area.

FEATURED PRODUCT – BEST IN CLASS



Available versions:

Tall
Deep

Conformal coating
ESD

FumeCAB 1000 iQ

The high performance FumeCAB 1000 iQ integrated filtration system boasts a large working area with bright ultra slim energy saving LED strip lights plus UV lights as optional.

Standard features

- Combined HEPA/gas filter incorporating advanced carbon filter technology
- Certified to BS 7989:2001 - recirculatory filtration fume cabinet specification
- Ensures operational compliance with HSG258 guidelines
- Energy saving ultra-bright slimline LED lighting
- Twin coated anti UV/ anti splash protective polycarbonate visor
- Audible and visual warning alarms
- Also available in tall or deep, and with ESD or conformal coating

For optional features - see page 53

Integrated filtration cabinet that ensures compliance with legislations.

OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

PHARMACEUTICAL & MEDICAL FUME EXTRACTION

FumeCAB range



FumeCAB 250

A small but versatile fume cabinet which can be used for an array of applications.

Partial enclosures are steadily becoming the preferred option for operator protection from fumes generated from processes that produce harmful fumes.

Ideal partner to the V250 - see page 25

Dimensions 290 x 400 x 300mm
11.42 x 15.75 x 11.81"

Opening Dimensions 265 x 400mm
10.4 x 15.7"

Technology



Datasheet download

bofainternational.com/fumecab-250



FumeCAB 600

Providing a larger working area with higher airflow for use in several applications, the FumeCAB 600 boasts the same features as the FumeCAB 250 and works alongside the V600 extraction system to protect the operator.

Ideal partner to the V600 - see page 26

Dimensions 355 x 610 x 420mm
13.98 x 24.02 x 16.54"

Opening Dimensions 315 x 540mm
12.4 x 21.3"

Technology



Datasheet download

bofainternational.com/fumecab-600



FumeCAB 700

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation - such as HSG258 - to their use.

The innovative cam filter change design enables safe and simple front loading filter replacement and provides many benefits over alternative rear access systems. Ultra-bright slim line energy saving LED lights come as standard with optional UV lighting.

Approvals CE

Available with conformal coating and ESD

Dimensions 780 x 700 x 490mm
30.71 x 27.56 x 19.29"

Opening Dimensions 675 x 225mm
26 x 8.8"

Technology



Datasheet download

bofainternational.com/fumecab-700



FumeCAB 1000 iQ *Featured product - see page 51*

The FumeCAB 1000 iQ integrated filtration system has been designed to ensure compliance with the latest regulations.

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation - such as HSG258 - to their use.

Ultra-bright slim line energy saving LED lights come as standard with optional UV lighting.

The FumeCAB 1000 iQ is available in different options to suit your application. We offer tall; deep; and with ESD or conformal coating.

Approvals CE

Available in tall; deep; with conformal coating and ESD

Dimensions 1003 x 1000 x 655mm
39.49 x 39.37 x 25.79"

Opening Dimensions 285 x 1000 x 650mm
11.2 x 39.4 x 25.6"

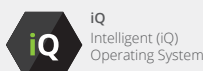
Technology



Datasheet download

bofainternational.com/fumecab-1000-iq

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table



PurePOD

The PurePOD system has been especially designed for the podiatry industry to extract and remove harmful airborne dust generated in the working environment.

The hazards associated with filing skin particles and associated applications need to be assessed under the COSHH regulations. The main concern is the inhalation of dust and particles produced when doing any of these applications.

The multi-layered pre and HEPA filters in the BOFA PurePOD capture all the contaminants and return clean air back into the environment.

Ideal for any environment, the PurePOD is very quiet and will fit easily into any small space, without the need to replace existing podiatry clinic furniture. Its mobile extraction arm can be manoeuvred into any position to allow the user maximum extraction with minimal interference.

Approvals CE

Dimensions 650 x 371 x 520mm
25.6 x 14.6 x 20.47"

Airflow/Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/purepod

	FumeCAB 250	FumeCAB 600	FumeCAB 700	FumeCAB 1000 IQ	PurePOD
Compact size	✓	✓			✓
Brushless motor			✓	✓	✓
Side entry grommets			✓	✓	
Audible and visual warning alarms			✓	✓	✓
Filter blocked indicator			✓	✓	✓
Advanced carbon filter technology			✓	✓	
HEPA filter technology			✓	✓	✓
LED strip lights	✓	✓	✓	✓	
Intelligent (iQ) Operating System				✓	
Reverse flow filter technology			✓	✓	
Automatic flow control system			✓	✓	
Patented technology				✓	
Hose kit	✓	✓			✓
CE	✓	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓
VOC monitor			✓	✓	
Stand			✓	✓	
Conformal coating blackout kit			✓	✓	
UV lights			✓	✓	
Anti-static (ESD)			✓	✓	
Tall				✓	
Deep				✓	

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

See pages 38-43 for more information.

FILTER TECHNOLOGY

The integrated FumeCAB provides a safe working environment protected by a three-stage filtration system consisting of a cheaper, more cost effective pre filter, high efficiency HEPA filter and a large carbon filter specifically designed to capture all the particulate and fumes generated in pharmaceutical and medical applications.

For more information visit bofainternational.com/filters

ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes. There are a large number of product options too - see page 58; speak to your sales representative; or visit bofainternational.com/accessories

HOW TO BUY BOFA

Go to page 10 to view our different buying options.





BEAUTY FUME EXTRACTION

Sleek fume extraction systems for modern beauty and hair salons

Applications

Manicures

Nail filing

Nail varnishing

Pedicures

Gel and acrylic nails

Nail dust

Hair salons

Podiatry

Our PureBEAUTY fume extraction range incorporates our years of knowledge in the extraction and filtration industry with sleek design to provide innovative, salon friendly solutions to specifically remove and safely capture a range of harmful and toxic fumes and dust found in the salon environment.



FEATURED PRODUCT – BEST IN CLASS



PureBEAUTY

The PureBEAUTY extraction system is easily portable and adaptable so will fit easily into any salon, without the costly need to replace existing nail stations or furniture.

It is easy to install and use, removing any toxic fumes and dust particulates generated during beauty processes. This unit helps you adhere to regulatory Health and Safety standards, keeping you, your staff and your customers safe and protected.

Standard features

- Low noise levels
- Advanced carbon filter technology
- Filter blocked indicator
- Compact system

For optional features - see page 57

This extraction system will fit easily into any salon, without the costly need to replace existing nail stations or furniture.

OEMs

Find out more about how we work with OEMs on page 10

DISTRIBUTORS

Find out more about how we work with distributors on page 10

END USERS

Find out more about how we work with end users on page 10

BEAUTY FUME EXTRACTION

PureBEAUTY range



PureBEAUTY

Featured product - see page 55

The PureBEAUTY fume extraction, air purification system has been designed to extract dust and fumes generated during many beauty processes, including nail treatments. It will fit easily and discreetly into any salon, without the costly need to replace existing nail stations or furniture.

Approvals CE

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow/Pressure 90m³/hr / 20mbar
53cfm / 20mbar

Technology



Datasheet download
bofainternational.com/purebeauty



PureBEAUTY+

The hazards associated with quick-dry nail sprays, nail varnishes and removers, as well as nail extension materials need to be assessed under the UK COSHH regulations. The main concern is the inhalation of dust or solvent fumes produced when using these products.

The multi-layered pre and chemical filters in the PureBEAUTY+ captures all the contaminant and returns clean air into the salon. It fits into any salon, without the need to replace existing nail stations or furniture.

Approvals CE

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow/Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download
bofainternational.com/purebeauty-plus



NEW

PurePOD

The PurePOD system has been especially designed for the podiatry industry to extract and remove harmful airborne dust generated in the working environment.

The hazards associated with filing skin particles and associated applications need to be assessed under the COSHH regulations. The main concern is the inhalation of dust and particles produced when doing any of these applications.

The multi-layered pre and HEPA filters in the BOFA PurePOD capture all the contaminants and return clean air back into the environment.

Ideal for any environment, the PurePOD is very quiet and will fit easily into any small space, without the need to replace existing podiatry clinic furniture. Its mobile extraction arm can be manoeuvred into any position to allow the user maximum extraction with minimal interference.

Approvals CE

Dimensions 650 x 371 x 520mm
25.6 x 14.6 x 20.47"

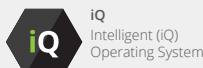
Airflow/Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/purepod

OUR LEADING TECHNOLOGY



PRODUCT FEATURES

Comparison table



Mobile FumeKART

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre filter, HEPA and gas filter.

Approvals CE

Dimensions 875 x 475 x 430mm
37.4 x 18.7 x 17"

Airflow/Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download
bofainternational.com/mobile-fumekart

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

FILTER TECHNOLOGY

The PureBEAUTY range incorporates cheaper cost effective pre filters with large carbon filters specifically designed for salon environment applications. Coupled together they provide maximum long life filter capacity to give operator safety with low cost of ownership. This combination provides a complete filtration system for any salon setup.

For more information visit bofainternational.com/filters

ACCESSORIES

BOFA has an extensive selection of arms, down draught trays and hose kits to fit all types of salon applications and processes. See page 58; contact your sales representative; or visit bofainternational.com/accessories

STANDARD FEATURES

OPTIONAL FEATURES

	PureBEAUTY	PureBEAUTY +	PurePOD	Mobile FumeKART
Small footprint	✓	✓		
Compact size	✓	✓	✓	
Brushless motor	✓	✓	✓	✓
Filter blocked indicator	✓	✓	✓	✓
Advanced carbon filter technology	✓	✓		
HEPA filter technology			✓	✓
CE	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓
VOC Sensor	✓	✓	✓	✓
Variety of arms/hoods				✓



ACCESSORIES

Dust and fume extraction products

ARMS

Funnel	Available in 32mm, 38mm, 50mm, 75mm Also available in stainless steel
Nozzle	Available in 32mm, 38mm, 50mm Also available in stainless steel
Slotted nozzle	Available in 50mm
Plenum funnel	Available in 50mm
LED	Available in white and black
LocLINE	Available in 75mm and variety of nozzles



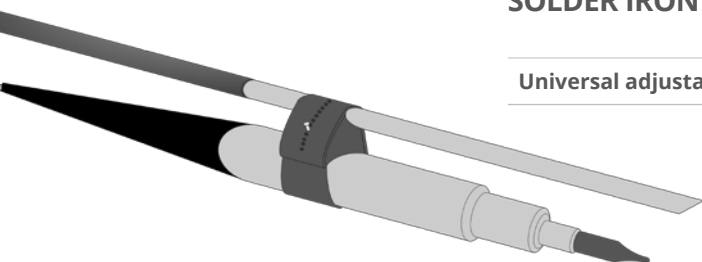
DESKTOP ACCESSORIES

Downdraught tray	Available in 50mm, 75mm
Cowl	Available in 50mm, 75mm Also available in clear and ESD (black)
Table bracket	Available in 50mm, 75mm
Automatic flush system seal	Available for 32mm, 38mm, 50mm
Bench peg	50mm connection



SOLDER IRON CONNECTION KITS

Universal adjustable kit	Available in ESD or non ESD
---------------------------------	-----------------------------



Ideal partner to the TVT 2; T 1; T 15;
T 30A; T 60; T 100 - **See pages 24-25.**

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

OUR LEADING TECHNOLOGY





PIPEWORK

We offer a wide range of pipework available in 50mm, 75mm, 110mm, 125mm. Speak to your sales representative to ensure you get the right pipework for your system.



TCU

The Temperature Control Unit (TCU) has been designed to meet a very specific process requirement within the electronics sector. The reliable placement of surface mount devices during PCB assembly requires that during the initial printing stage the solder paste is maintained at a temperature which ensures optimum performance. With assembly now on a global basis the variation of local climate and factory conditions means that this optimum level cannot be maintained without some form of intervention.

The design of the TCU includes cooling and heating elements which ensure that the temperature within the printing environment is maintained within 1°C of the optimum paste performance temperature regardless of whether the factory ambient is above or below this level.

Approvals CE



Dimensions 1300 (+ beacon) x 510 x 670mm
51.18 x 20.08 x 26.38"

Datasheet download bofainternational.com/tcu

LASER COOLING UNITS



AD 200 CU

Approvals CE



Our AD 200 CU is an electrically driven, cooling air unit. It supplies cool, filtered air to both the laser and power supply module. This clean, cool air ensures optimal laser performance and reliability.

Dimensions 260 x 250 x 285mm
10.2 x 9.9 x 11.2"

Datasheet download bofainternational.com/ad-200-cu

AD 350 CU

Approvals CE



Our AD 350 CU is designed to supply cool, filtered air to both the laser and power supply module. This clean, cool air ensures optimal laser performance and reliability. It can also be used as a seal to increase the IP rating of the laser.

Dimensions 395 x 380 x 380mm
15.55 x 14.96 x 14.96"

Datasheet download bofainternational.com/ad-350-cu



INLINE FILTERS

Dust and fume extraction products





AD CYCLONE

Laser marking generates a range of particle sizes from 0.1 micron upwards so standard cyclone separators are not suitable.

BOFA's inline cyclone is designed to operate more efficiently at these lower particle sizes.

The cyclone separator has been designed specifically for use with the AD Oracle iQ and AD Oracle iQ2 (see page 16) and is installed between the laser extraction point and the extractor. The airflow generated by the extraction unit powers the cyclone.

 	Dimensions	800 x 300 x 140mm 31.5 x 11.81 x 5.51"
	Datasheet download bofainternational.com/ad-cyclone	







ILF 300/600

The BOFA inline pre filters have been designed specifically for applications that generate high amounts of dust or particulate.

The filter unit is positioned alongside the main BOFA fume filtration system to increase the overall filter capacity and extend the life of the main, more expensive filters.

A range of application dependent filter types and configurations are available on request.






 	Dimensions	796 x 638 x 328mm 31.34 x 25.12 x 12.92"
	Datasheet download bofainternational.com/ilf-300	
 	Dimensions	820 x 631 x 635mm 32.28 x 24.84 x 25"
	Datasheet download bofainternational.com/ilf-600	



ILF 1000

The BOFA inline pre filter 1000 has been designed specifically for applications that generate high amounts of dust or particulate.

This inline filter unit has a large DeepPleat DUO and is positioned alongside the main BOFA fume filtration system to increase the overall filter capacity and extend the life of the main filters.

    	Dimensions	650 x 617 x 763mm 25.6 x 24.3 x 30"
	Datasheet download bofainternational.com/ilf-1000	

OUR LEADING TECHNOLOGY



NEW



Spark Arrestor 2

BOFA's Spark Arrestor 2 unit effectively prevents potentially damaging burning particulates, generated during laser marking processes, from entering the fume extraction unit.

Hot burning particulate is transported through the specially designed plates positioned within the airflow, slowing the burning particulate down until it finally drops into the removeable drop-out chamber, so protecting the fume extractor.

Approvals CE



Dimensions 883 x 400 x 553mm
34.76 x 15.75 x 21.77"

Datasheet download bofainternational.com/spark-arrestor-2

NEW

PATENT PENDING TECHNOLOGY



FireBOX GA/MA and FireBOX GA+/MA+ self-extinguishing inline pre filter

In the rare event that a burning ember is drawn into the fume extraction unit, there is the possibility that debris in the filters could ignite. Although any resultant fire would typically be retained within the fume extraction unit, this would cause significant damage and in extreme circumstances the risk may extend beyond the extraction unit. For processes where such risks have been identified, additional protection in the form of an inline firebox is an additional precaution. We offer two sizes of our FireBOX to cater for different size extraction units.

FireBOX GA/MA

Approvals CE



PATENT PENDING

For added safety and protection from fire. The built-in temperature controller can be set so when a 10°C temperature rise is detected, the FireBOX will activate the isolating valves and switch off the power to the extraction unit, suppressing the airflow to the FireBOX and reducing the speed of fire. If this does not suppress the fire and the temperature rises another 10°C then the fire extinguisher will be activated.

Ideally paired with AD Oracle SA iQ; AD Oracle iQ; and AD Oracle iQ2 (pages 15-16).

Dimensions 1186 x 480 x 600mm (including beacon)
46.7 x 19 x 24"

Airflow Up to 380m³/hr
Up to 223cfm

Datasheet download bofainternational.com/firebox-ga
bofainternational.com/firebox-ma

FireBOX GA+/MA+

Approvals CE



PATENT PENDING

Includes all the same features as the FireBOX GA and MA, respectively but designed for larger extraction systems.

Ideally paired with AD 500 iQ; AD 1000 iQ; and AD 1500 iQ (pages 16).

Dimensions 1380 x 615 x 900mm (including beacon)
54.33 x 24.21 x 35.43"

Airflow Up to 1250m³/hr
Up to 735cfm

Datasheet download bofainternational.com/firebox-ga+
bofainternational.com/firebox-ma+

WHICH PRODUCT DO YOU NEED?

The FireBOX GA/GA+ is designed for general applications.

The FireBOX MA/MA+ is designed specifically for metal-based applications.

Speak to your sales representative to ensure you chose the right system.



THE **FUTURE**

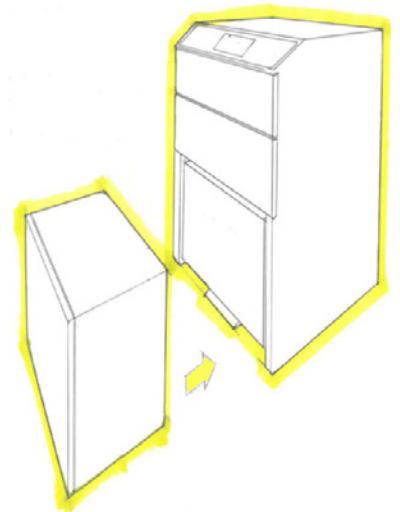
We invest heavily in R&D to ensure we are ahead of the game, providing global solutions to global customers.

The growth in demand for fume extraction looks set to continue the world over, giving manufacturers that have sufficient vision the confidence to invest in resources to develop new products and features to challenge convention and raise the bar in the portable fume extraction world.

Integrated **SYSTEMS**

Added safety; no additional footprint

Production processes are evolving all the time. Demand for faster processes and changes in materials means new technology – such as fibre lasers - is being developed to increase productivity gains while keeping running costs down. What is also emerging in this new era, is the fundamental role that effective fume extraction plays in ensuring a safe operating environment and in optimising the return on investment of this technology. Added to this is the need to keep the footprint of new products to a minimum. BOFA's AD 1000 iQ with integrated FireBOX pairs high capacity fume extraction with all the benefits of a FireBOX, without taking up any additional floor space.



DeepPleat DUO with **INTEGRATED SPARK ARRESTOR**

This new DeepPleat DUO pre filter has an integrated spark arrestor box built into the base, acting as a safe-guard precaution by protecting the filter media from sparks which may have been generated during the layering process.



High speed **CAPTURE DEVICES**

The world is getting faster... and so is BOFA. We have developed new capture devices to cater for faster production processes.

BOFA's modular high speed capture devices provide enhanced capture

on fast moving production lines, overcoming increased turbulence created by the moving products.

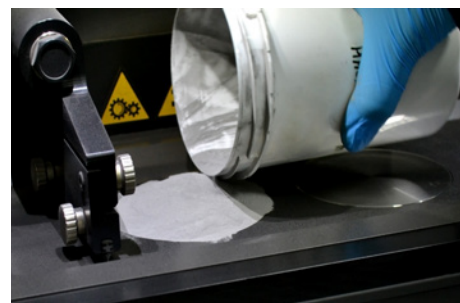
- Improving capture
- Optimising extraction
- Reducing maintenance



3D and **ADDITIVE MANUFACTURING**

In the world of rapid prototyping and production of metal components, it is imperative to have the proper gas atmosphere to produce quality parts. To meet the high tolerance standards required in 3D printing, argon and nitrogen are commonly used to provide inert atmospheres.

We are continuously exploring new technology and are designing a pressurised filter system to work in the 3D and additive manufacturing industry, providing a safer working environment dealing with the likes of cobalt chrome and titanium metals.





A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY



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