BOFA™

A Donaldson Company

A WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

2022 PRODUCT RANGE

FUME AND DUST EXTRACTION SYSTEMS

BOFA™

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 are a very important part of your environment, health, and safety programme as they filter potentially harmful dust and fumes, which may be generated during industrial processes, while minimising disruption to production.

WHY BOFA

✓ 35 years' **experience**

✓ **Unrivalled** knowledge in portable fume and dust extraction and filtration

✓ **Innovative** world-class systems

✓ High **quality**, affordable systems

✓ **Dedicated** in-house capabilities

✓ **Global** network

✓ Helping to keep the world working **safely**

✓ Continual **investment**

✓ **Environmental** policy

✓ A **Donaldson** company

OUR PRODUCTS

✓ **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** 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 knowledge to constantly find new methods to allow customers to help 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 filter potentially hazardous particles and fumes before the 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 knowledge will always be at hand to deliver timely and effective products, 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 systems 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.

Est 1987

35 YEARS
OF EXCELLENCE

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

1987	2003	2004	2007	2008	2011
BOFA UK Ltd founded	ADVANTAGE range launched **(Page 12)**	Name changes to BOFA International Ltd	PrintPRO **(Page 30)** & PureBEAUTY **(Page 56)** ranges launched	BOFA Americas Inc. formed	DentalPRO **(Page 46)** & FumeCAB **(Page 52)** ranges launched

KNOWLEDGE
AND INNOVATION

Our dedicated team has a wealth of knowledge 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 systems 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 Operating System (iQ) , which is transforming the way that organisations around the world are able to help 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.

2012	2014	2017	2018	2020	2021
Win Queen's Award: International Trade	3D PrintPRO range launched **(Page 35)**	Win Queen's Award: Innovation	New global head office & Centre of Excellence opened	BOFA Academy launched **(Page 10)**	iQ2 launched **(Page 6)**
iQ launched		Office in Germany opened	Acquired by Donaldson Inc.		

iQ2

The next generation of fume extraction technology is here!

The huge success of BOFA's unique Intelligent Operating System (iQ) established a step change in the performance of fume extraction technology. iQ2 builds on this and incorporates a range of new and highly advanced feature enhancements to transform your productivity.

- Optimise maintenance schedules
- Minimise unplanned downtime
- Support plant efficiency

- Access a complete system overview
- Quick system navigation
- Modern look and feel

GET MORE HANDS-ON
USER-FRIENDLY INTERFACE

With a hi-resolution full colour touch-screen, it's easy to use and configure to your precise requirements. The intuitive user experience makes it quick and easy to navigate the system and access the data you need.

GET MORE VERSATILITY
CUSTOMISABLE BUILDS

Expand the reach of your extraction system through highly accessible multi-language functionality, remote configuration and bespoke branding options. In addition, multi voltage sensing and certification make this a truly global product.

GET MORE INSIGHTS
ENHANCED REAL-TIME REPORTING

Advanced real-time reporting and longer data logs allow you to collect and analyse detailed data, enabling maintenance to be scheduled at optimum levels. Automatic system diagnostics provide immediate, clear notification if an issue needs to be addressed.

GET MORE CONTROL
FULLY CONFIGURABLE
ALARMS AND WARNINGS

Interface connectivity and upgraded remote monitoring means you'll always know what's happening across your system. A series of highly configurable alarms and warnings can be tailored to your requirements – so you can access accurate diagnostics, and reduce unplanned downtime.

GET MORE PRODUCTIVITY
UTILISE SMART DATA

Realise all the benefits of smart data, enabling you to better optimise maintenance costs, minimise unplanned downtime and support plant efficiency. With a complete system overview, you'll change the right filter at the right time.

GET MORE HELP
HOW iQ2 CAN HELP YOU

Strengthen your proposition and achieve deeper customer loyalty by offering greater post-sales analysis, a bespoke system which works globally, optimised installation and a platform ready for future developments.

The 5" clear touch-screen gives quick access to real-time information, system status, accurate independent filter monitoring and overall usage capacity to help reduce downtime and quick access to data.

GET THE COMPLETE SYSTEM
THE **AD ORACLE iQ2** ADVANCED FUME EXTRACTOR

Find out more:

bofainternational.com/iq2
bofainternational.com/ad-oracle-iq2
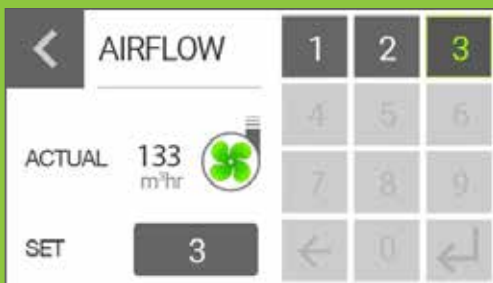
| iQ2 | Touch screen control | Hi-resolution 5" colour screen | SmartNav GUI layout | Run Safe |

AD Oracle **iQ2** FUME EXTRACTOR

PATENTED TECHNOLOGY
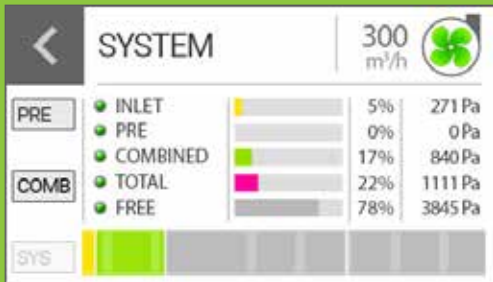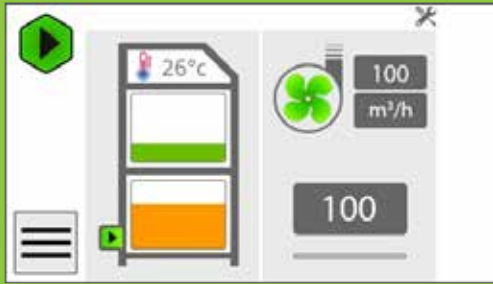
STANDARD KEY FEATURES

Hi-resolution 5" colour touch screen
SmartNAV layout
Multiple language options
Interface connectivity
Complete system pressure and filter monitoring
DeepPleat DUO pre-filter
HEPA and gas filter
Advanced carbon filter (ACF)
Automatic flow control (AFC) technology
Reverse flow air (RFA) technology
Fully configurable alarms and warnings
Run hours displayed / real-time log
Black box event log
12 month data storage
Remote monitoring, control and diagnostics
Filter status warnings
Run safe operation
Remote diagnostics via USB
Multi voltage sensing

OPTIONAL FEATURES

VOC (Volatile Organic Compounds) gas sensor
On board compressor
Different filter medias
Door open alarm
Pre-filter not fitted alarm

KEY TECHNICAL INFORMATION

Dimensions (H x W x D)	982 x 470 x 517 mm
Airflow/pressure	380m³/hr / 96mbar
Approvals	UKCA and CE

You'll benefit from software upgrades, providing additional features as they are developed.

INTELLIGENT
OPERATING SYSTEM (iQ)

iQ

Pioneering fume extraction.

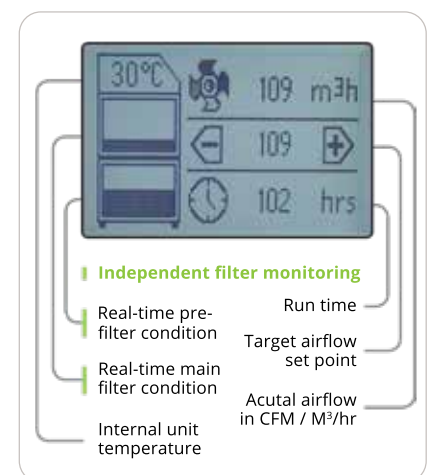Our award-winning Intelligent Operating System (iQ) brings multiple performance enhancements for high efficiency of extraction, individual filter status monitoring and integral design features that combine to deliver a lower cost of ownership.

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.

iQ 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.

30°C   109 m3h
109
102 hrs

Independent filter monitoring

Real-time pre-filter condition

Real-time main filter condition

Internal unit temperature

Run time

Target airflow set point

Acutal airflow in CFM / M³/hr

DEEPPLEAT DUO
PRE–FILTER

Save filter life and money.

The DeepPleat DUO is BOFA's patented long lasting pre-filter, 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, giving 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 safer installation and replacement, which is particularly important as often potentially harmful contaminants are filtered.

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	6m²	150mm
AD Oracle iQ	75mm	16.2 litres	12m²	200mm
AD 500/1000/1500 iQ	125mm	58 litres	30m²	200mm
AD 2000 iQ	125mm	58 litres x2 (116 litres)	30m² x2 (60m²)	200mm x2 (400mm)
AD 4000 iQ	125mm	58 litres x3 (174 litres)	30m² x3 (90m²)	200mm x3 (600mm)
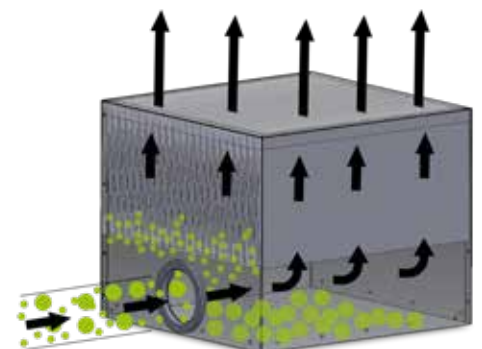
WORKING WITH YOU
TO DELIVER A COMPLETE SYSTEM

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

OEMs

We have a wealth of knowledge working with OEMs, either supplying our existing systems or creating systems 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 knowledgeable dust and fume extraction team

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 help get timely and appropriate support.

Working with BOFA you'll:
- Enhance your portfolio with our existing products or with a bespoke system
- 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 systems

END USERS

Our network of fume and dust extraction engineers have a wealth of technical and industry knowledge. This combined with their consultative approach to understand your processes and agree specifications means you can be confident you're selecting the appropriate product to suit your specific requirements.

Working with BOFA you'll get:
- Knowledgeable consultation to help get you have the appropriate system
- Products for single to multiple users
- Unrivalled standard of service and support
- UKCA / 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

TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you, to help you stay up to date. We've designed our modules so they can be delivered in a way convenient to you - either online or face to face - in a simple and effective format to help you get the most out of the time you invest in training. It's all part of the exceptional support and experience we offer.

This training is for anyone who comes into contact with fume extraction or is responsible for health and safety in the workplace – whether it's researching and determining the requirements in your workplace; designing new products that need appropriate extraction or selling products into the market:

- Sales and Marketing
- Technical
- Product management
- Service / installation

You can book on to as many modules as you want to so you can keep learning from wherever you are.

Modules are available every week and cover a wide range of topics including:

- Health, safety and compliance
- Product ranges
- Technical advice
- Commercial understanding

Find out more:
bofainternational.com/bofa-academy

MARKET LEADING
TECHNOLOGY

We are recognised as a 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 knowledge to produce the best systems available on the market.

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

iQ2
iQ2 combines field proven iQ reliability with a range of new and highly advanced feature enhancements. Easy to integrate. Intuitive to use. iQ2 has significant new user and productivity benefits. **See page 6 for more information.**

Find out more: bofainternational.com/iq2

Intelligent Operating System (iQ)
Our award-winning Intelligent Operating System (iQ) 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, giving a more optimised performance and filter life.

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

Find out more: bofainternational.com/deeppleatduo

HEPA filter
Filters 99.997% of particles at 0.3 micron in size.

Find out more: bofainternational.com/hepa

ACF: Advanced carbon filter
ACF helps enable safer filtering of hazardous fumes. Contaminated air must remain in contact with the carbon bed for a period of time sufficient to help ensure that no contaminents 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 help ensure suitability for the contaminents associated with the application and to give appropriate dwell times are achieved.

Our filters have been developed to filter contaminents and odours, eliminiating 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 helps to ensure further protection to the HEPA filter.

Find out more: bofainternational.com/afc

RFA: Reverse flow air technology
RFA enhances filter performance and ensures long 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 100-230V, 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

Deep laser engraving	Laser engraving	Laser pairing
Laser cleaning	Laser etching	Laser perforating
Laser coding	Laser kiss cutting	Laser welding
Laser cutting	Laser marking	Traceability and date codes
Laser drilling	Laser micro-machining	Web scoring

BOFA's ADVANTAGE (AD) 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 manufacturers' laser engravers can sit on top of the extractor, effectively doubling up as a work station.

FEATURED PRODUCT – BEST IN CLASS

AD Oracle iQ2 FUME EXTRACTOR

iQ2 helps take 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.

Standard features

- Independent filter monitoring
- Filter status warnings
- 5" colour touch-screen display
- 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

See page 6 for more detail about iQ2

The premier choice and best in class system 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

AD Access FUME EXTRACTOR

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, helping to give safer operator working conditions and product quality.

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

Approvals UKCA and 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 FUME EXTRACTOR

The AD Fusion extraction system 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 UKCA and 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 FUME EXTRACTOR

The AD 250 extraction system provides a cost effective system 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 UKCA and 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 FUME EXTRACTOR

The quiet and compact AD 350 extraction system effectively filters 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 UKCA and CE │ cUL │ UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2 - *See page 63*

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

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology

AD Nano FUME EXTRACTOR

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

Approvals UKCA and 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+ FUME EXTRACTOR

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 system 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 UKCA and 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 FUME EXTRACTOR

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

Approvals UKCA and CE | UL*

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 FUME EXTRACTOR

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 UKCA and CE | cUL | UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2 - *See page 63*

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

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA
Reverse flow air technology

AFC
Automatic flow control technology

MVS
Multi voltage sensing unit

PATENTED
Patented technology

SureCHECK
SureCHECK quality standard

PROTECT
ProTECT service plan

LASER FUME EXTRACTION

ADVANTAGE range

AD Oracle iQ FUME EXTRACTOR

The AD Oracle iQ extraction system 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 UKCA and CE | cUL | UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2 - *See page 63*

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 FUME EXTRACTOR

The next generation of fume extraction, the AD Oracle iQ2 combines field proven iQ technology with a range of new and highly advanced features, you'll be ahead of the competition when it matters most. It will benefit from software upgrades, providing additional features as they are developed.

See pages 6-7 for more information about iQ2.

Approvals UKCA and CE

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2 - *See page 63*

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

Featured product - see page 13

AD 500 iQ / 1000 iQ / 1500 iQ
FUME EXTRACTORS

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 is further enhanced with the inclusion of several features including BOFA's Intelligent Operating System (iQ) and patented DeepPleat DUO pre-filter.

Approvals UKCA and CE | cUL | UL*

AD 500 iQ and AD 1000 iQ are compatible with the FireBOX GA, FireBOX MA and Spark Arrestor 2 - *See page 63*

| 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

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology
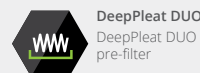
AD 2000 iQ FUME EXTRACTOR

The AD 2000 iQ's technology delivers superior and measurable performance, helping to ensure 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 helps to ensure peak performance. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective filtering 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 UKCA and 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 FUME EXTRACTOR

The AD 4000 iQ extraction system delivers superior and measurable performance, helping to ensure airflow and filtration is maintained even when particulates start to build up in 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 UKCA and 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 FUME EXTRACTOR

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 UKCA and 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

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

| **RFA** Reverse flow air technology | **AFC** Automatic flow control technology | **MVS** Multi voltage sensing unit | **PATENTED** Patented technology | **SureCHECK** SureCHECK quality standard | **PROTECT** ProTECT service plan |

LASER FUME EXTRACTION

ADVANTAGE range

AD PVC iQ FUME EXTRACTOR

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 helping to give added safety assurance.

Approvals UKCA and 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 Base 1 Oracle FUME EXTRACTOR

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

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

Approvals UKCA and 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 FUME EXTRACTOR

Adapting the AD Base 1 Oracle extraction system, 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 UKCA and 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

AD Base 3 FUME EXTRACTOR

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

Approvals UKCA and CE

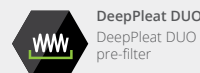| Dimensions | 775 x 510 x 680mm |
	30.51 x 20.08 x 26.77"
Airflow / Pressure	180m³/hr / 30mbar
	105cfm / 30mbar

Technology

Datasheet download
bofainternational.com/ad-base-3

OUR LEADING TECHNOLOGY

iQ2

iQ
Intelligent Operating System (iQ)

DeepPleat
DeepPleat pre-filter

DeepPleat DUO
DeepPleat DUO pre-filter

HEPA
HEPA filter

ACF
Advanced carbon filter technology

AD Base C180 FUME EXTRACTOR

Bespoke unit tailored to match the GCC C180 laser engraver. The dimensions of the unit allows the C180 extraction system 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 UKCA and 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 FUME EXTRACTOR

The AD Base Z extraction system 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 UKCA and 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

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bofainternational.com/bofa-academy

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA
Reverse flow air technology

AFC
Automatic flow control technology

MVS
Multi voltage sensing unit

PATENTED
Patented technology

SureCHECK
SureCHECK quality standard

PROTECT
ProTECT service plan

LASER FUME EXTRACTION

ADVANTAGE range

Mobile FumeKART FUME EXTRACTOR

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 UKCA and 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

STANDARD FEATURES
Intelligent Operating System (iQ)
iQ2
Filter condition indicator
High airflow & pressure rates
Long life, low cost replacement filters
Digital speed control
Easi-seal filter location
Auto sensing voltage (100-230V) 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
UKCA / CE approvals
UL* approval
cUL* approval
Brushless motor
SureCHECK quality standard
ProTECT

OPTIONAL FEATURES
VOC gas sensor (Volatile Organic Compound)
Remote stop / start interface
Filter change / system fail signal
Onboard compressor
Variety of arms / hoods

FILTER TECHNOLOGY

The majority of systems in the AD 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 helps to ensure maximum filter capacity. See page 61-63 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 62-63.

ACCESSORIES

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

For more information, see page 60-61; 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

iQ2 **iQ2**

iQ **iQ** Intelligent Operating System (iQ)

WWW **DeepPleat** DeepPleat pre-filter

WWW **DeepPleat DUO** DeepPleat DUO pre-filter

HEPA **HEPA** HEPA filter

ACF **ACF** Advanced carbon filter technology

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 Base 1 Oracle	AD Base 2 Oracle	AD Base 3	AD Base C180	AD Base Z	Mobile FumeKART
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Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA Reverse flow air technology

AFC Automatic flow control technology

MVS Multi voltage sensing unit

PATENTED Patented technology

SureCHECK SureCHECK quality standard

PROTECT ProTECT service plan

bofainternational.com/laser

ELECTRONICS
FUME EXTRACTION

Tip and volume range

Applications

Arm extraction	Machine soldering	Soft soldering
Automated soldering	PCB de-lugging	Spray cleaning
Brazing	PCB drilling	Tinning
De-soldering	Potting	Tip extraction
Gluing	Reflow ovens	Vapour phase soldering
Hand soldering	Rework stations	Wave soldering
Lead free soldering	Selective soldering	
Laser soldering	Silver soldering	
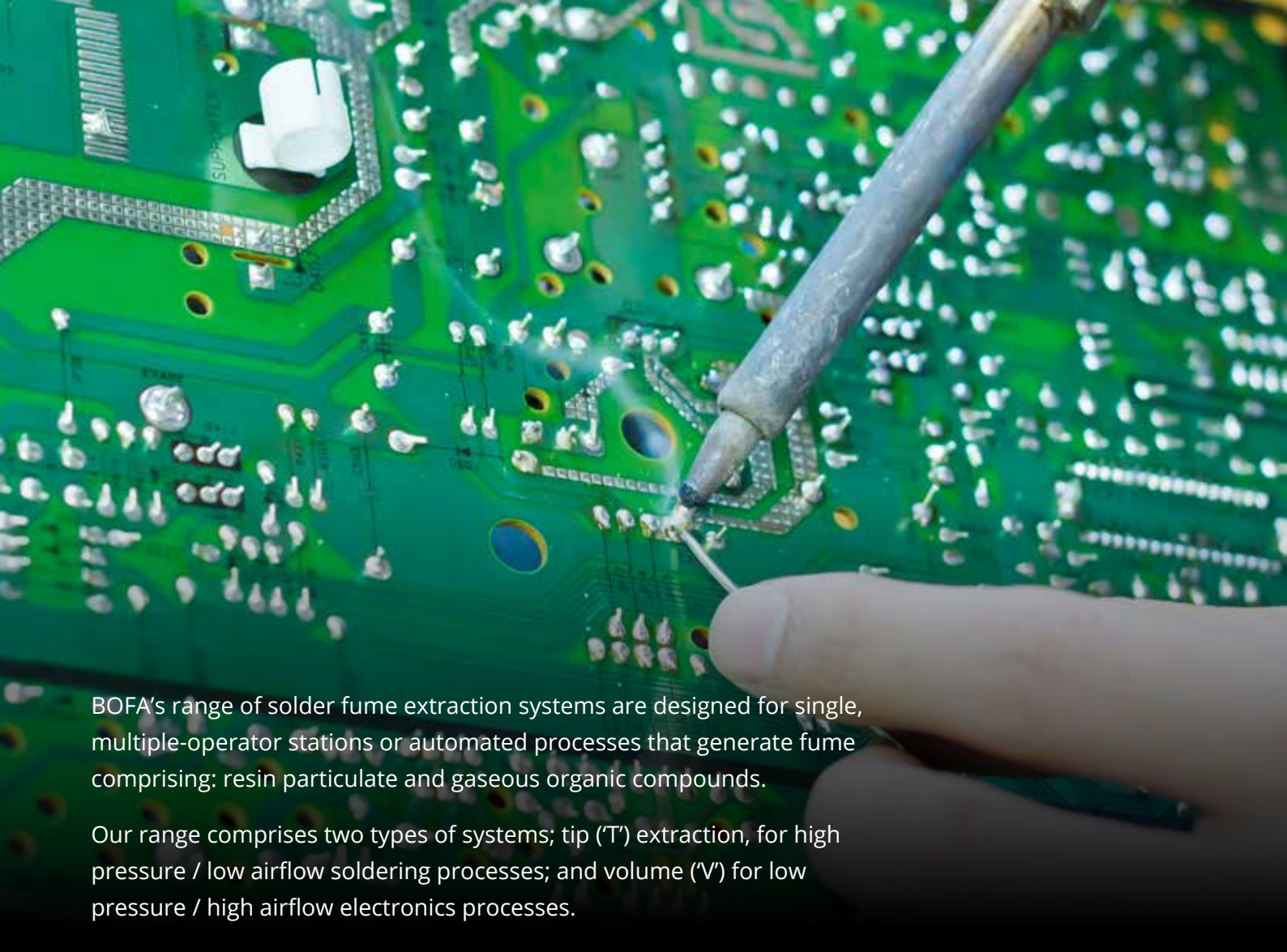
BOFA's range of solder fume extraction systems are designed for single, multiple-operator stations or automated processes that generate fume comprising: resin particulate and gaseous organic compounds.

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 FUME EXTRACTOR

Dual arm extraction system purpose built to protect two operators working on solder applications. The V 250 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

TIP

T 1 FUME EXTRACTOR

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 UKCA and CE

Ideal partner to the solder iron connection kit - see page 60

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 FUME EXTRACTOR

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 UKCA and CE

Ideal partner to the solder iron connection kit - see page 60

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 FUME EXTRACTOR

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, helping to protect 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 helping to ensure maximum protection to the operators.

Approvals UKCA and CE

Ideal partner to the solder iron connection kit - see page 60

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

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology
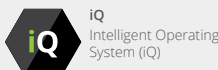
VOLUME

V 200 FUME EXTRACTOR

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 UKCA and 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 FUME EXTRACTOR

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 helps to ensure 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 UKCA and CE

Ideal partner to the FumeCAB 250 - see page 54

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

Featured product - see page 23

Accessories

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

For more information, see page 60; contact your sales representative; or visit
bofainternational.com/accessories

TRAINING DESIGNED FOR YOU

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BOFA ™
ACADEMY

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

| **RFA** Reverse flow air technology | **AFC** Automatic flow control technology | **MVS** Multi voltage sensing unit | **PATENTED** Patented technology | **SureCHECK** SureCHECK quality standard | **PROTECT** ProTECT service plan |

ELECTRONICS FUME EXTRACTION
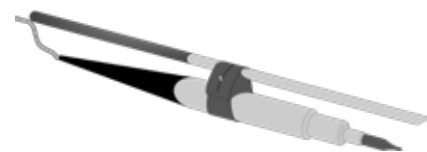
Tip and volume range

V 300E FUME EXTRACTOR

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 UKCA and 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 FUME EXTRACTOR

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 UKCA and 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 FUME EXTRACTOR

A truly state of the art fume purification system, 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 UKCA and CE

Pair this with FumeCAB 600 - see page 54

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 FUME EXTRACTOR

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

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

Approvals UKCA and 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

iQ2

iQ
Intelligent Operating System (iQ)

DeepPleat
DeepPleat pre-filter

DeepPleat DUO
DeepPleat DUO pre-filter

HEPA
HEPA filter

ACF
Advanced carbon filter technology

V Oracle iQ FUME EXTRACTOR

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 UKCA and 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 1000 iQ / 1500 iQ FUME EXTRACTORS

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 V 1000 iQ can cater for up to 15 operators and the V 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 UKCA and CE │ cUL │ UL*

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

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/v1000-iq
bofainternational.com/v1500-iq

V 2000 iQ FUME EXTRACTOR

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 helps to ensure 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 UKCA and 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

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

| **RFA** Reverse flow air technology | **AFC** Automatic flow control technology | **MVS** Multi voltage sensing unit | **PATENTED** Patented technology | **SureCHECK** SureCHECK quality standard | **PROTECT** ProTECT service plan |

ELECTRONICS FUME EXTRACTION

Tip and volume range

V 4000 FUME EXTRACTOR

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 help to ensure long filter life and optimum extraction even when lead free solder is used.

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

Approvals UKCA and 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

Mobile FumeKART FUME EXTRACTOR

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 UKCA and 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

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 potentially 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 60; 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 54-55 for more information.

OUR LEADING TECHNOLOGY

| iQ2 | **iQ** Intelligent Operating System (iQ) | **DeepPleat** DeepPleat pre-filter | **DeepPleat DUO** DeepPleat DUO pre-filter | **HEPA** HEPA filter | **ACF** Advanced carbon filter technology |
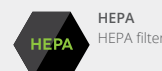
Comparison table

		TIP				VOLUME										
		T 1	T 15	T 30A	V 200	V 250	V 300E	V 350E	V 600	V Oracle SA iQ	V Oracle iQ	V 1000 iQ	V 1500 iQ	V 2000 iQ	V 4000	Mobile FumeKART
STANDARD FEATURES	Three-stage filtration	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
	Compact design	✓	✓		✓	✓	✓	✓	✓	✓						✓
	High vacuum blowers		✓	✓					✓	✓	✓	✓	✓	✓	✓	
	Digital speed control								✓							✓
	Auto sensing voltage (100-230V) for global use								✓	✓	✓					
	Intelligent Operating System (iQ)									✓	✓	✓	✓	✓		
	Automatic flow control system			✓					✓	✓	✓	✓	✓	✓	✓	
	'Easi-seal' filter location			✓					✓	✓	✓	✓	✓			
	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Filter blocked indicator		✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
	Reverse flow air technology								✓	✓	✓	✓	✓	✓		
	UKCA / CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL* approval									✓	✓					
	cUL* approval									✓	✓					
	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					✓										
	Variety of arms / hoods															✓

Product availability may vary by region. Please contact BOFA with any questions.

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For more information visit **bofainternational.com/bofa-academy**

BOFA™ ACADEMY

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA Reverse flow air technology

AFC Automatic flow control technology

MVS Multi voltage sensing unit

PATENTED Patented technology

SureCHECK SureCHECK quality standard

PROTECT ProTECT service plan

PRINTING
FUME EXTRACTION

PrintPRO range

Applications

Digital flexo plates	Inkjet printing	Screen printer
Direct to fabric	Letter press plates	Solvent ink
Dye sublimation	Low solvent ink	UV coating
Flags, banners & posters	MEK	UV printing
Flexographic printing	Mid solvent ink	

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

PrintPRO Universal FUME EXTRACTOR

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 filter a wide range of solvents generated within these environments, including MEK, ketones and vapours 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 34

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 FUME EXTRACTION
PrintPRO range

PrintPRO Universal FUME EXTRACTOR

The PrintPRO Universal fume extractor is a compact unit with a large gas filter. It was designed exclusively for the print and print finishing industries with unique features designed to filter a wide range of solvents generated within these environments, including MEK, ketones and vapours 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 mail-room applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

Approvals UKCA and 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

Featured product - see page 31

PrintPRO 500 iQ / 1000 iQ / 1500 iQ FUME EXTRACTORS

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 UKCA and 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 FUME EXTRACTOR

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, helping to ensure 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 filtering 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 UKCA and CE

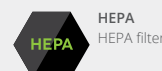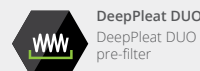| Dimensions | 1280 x 1360 x 1005mm |
	50.39 x 53.54 x 39.57"
Airflow / Pressure	2500m³/hr / 96mbar
	1470cfm / 96mbar

Technology

Datasheet download
bofainternational.com/printpro-2000-iq

OUR LEADING TECHNOLOGY

iQ2 **iQ2**

iQ **iQ** Intelligent Operating System (iQ)

WWW **DeepPleat** DeepPleat pre-filter

WWW **DeepPleat DUO** DeepPleat DUO pre-filter

HEPA **HEPA** HEPA filter

ACF Advanced carbon filter technology

PrintPRO 4000 FUME EXTRACTOR

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 '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 UKCA and 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 FUME EXTRACTOR

The PrintPRO Oracle DS is our mid to high end print 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 helps to make filter change easy, quick and safer. A truly state of the art print fume purification system.

Approvals UKCA and 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
FUME EXTRACTORS

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 helps to make filter change easy, quick and safer.

Approvals UKCA and CE

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

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

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

PrintPRO 1200 DS
| 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

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA
Reverse flow air technology

AFC
Automatic flow control technology

MVS
Multi voltage sensing unit

PATENTED
Patented technology

SureCHECK
SureCHECK quality standard

PROTECT
ProTECT service plan

PRODUCT FEATURES

Comparison table

	PrintPRO Universal	PrintPRO 500 iQ	PrintPRO 1000 iQ	PrintPRO 1500 iQ	PrintPRO 2000 iQ	PrintPRO 4000	PrintPRO Oracle DS (DYE SUBLIMATION)	PrintPRO 400 DS (DYE SUBLIMATION)	PrintPRO 800 DS (DYE SUBLIMATION)	PrintPRO 1200 DS (DYE SUBLIMATION)
STANDARD FEATURES										
VOC gas sensor	✓									
Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter condition indicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High airflow and pressure rates	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Long life, low cost replacement filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MEK carbon	✓	✓	✓	✓	✓	✓				
Small footprint	✓									
Digital speed control	✓									
'Easi-seal' filter location		✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto sensing voltage (100-230V) for global use	✓						✓			
Automatic flow control system		✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Operating System (iQ)		✓	✓	✓	✓					
Lockable castors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fluid collection tray							✓	✓	✓	✓
Reverse flow air technology		✓	✓	✓	✓		✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UKCA / CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UL* approval	✓	✓	✓	✓						
cUL* approval	✓	✓	✓	✓						
OPTIONAL FEATURES										
VOC gas sensor		✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote stop/start interface	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter change/system fail signal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 sponge filter version								✓	✓	✓
Larger silencing inlet/outlet boxes	✓									

Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

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HOW TO BUY BOFA

Go to page 10 to view our different buying options.

OUR LEADING TECHNOLOGY

iQ2 — iQ2

iQ — Intelligent Operating System (iQ)

DeepPleat — DeepPleat pre-filter

DeepPleat DUO — DeepPleat DUO pre-filter

HEPA — HEPA filter

ACF — Advanced carbon filter technology

ADDITIVE MANUFACTURING / 3D PRINTING

ATMOSPHERE MANAGEMENT SYSTEMS

3D PrintPRO and AM ranges

Applications

Directed energy deposition

Binder jetting

Material extrusion

- FDM
- FFF

Material jetting

Powder bed fusion

- SLS
- SLM
- SHS
- EBM
- DMLS

Sheet lamination

VAT polymerisation

- Stereolithography
- Digital light projection

BOFA's range of AM and 3D PrintPRO atmosphere management systems is designed to filter the air from applications that generate particulate and gaseous organic compounds. The systems help to provide a clean print area and return filtered air back into the workplace environment.

FEATURED PRODUCT – BEST IN CLASS

AM 400 FUME EXTRACTOR

Designed and built specifically for inert particulate filtration, the AM 400 is the premium filtration and atmosphere management solution for the additive manufacturing industry. It offers significant benefits to users in direct metal laser sintering and selective laser melting polymer applications.

Standard features

- Intelligent Operating System (iQ)
- Reverse flow filter technology
- Real-time gasflow reading
- Automatic flow control
- Removable filter housing
- Isolation valve
- Electronic lift assist
- Low leakage
- Tri-clamp inlet & outlet connections

For optional features - see page 39

Designed and built specifically for inert particulate filtration

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

3D PRINTING

3D PrintPRO 2 FUME EXTRACTOR

The 3D PrintPRO 2 fume extractor 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.

Approvals UKCA and CE

Suitable for open framed 3D printers, for:
FDM / FFF

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 FUME EXTRACTOR

The 3D PrintPRO 3 fume extractor incorporates an externally mounted plenum system which effectively filters fumes generated during the printing process and returns 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.

Approvals UKCA and CE | UL*

Suitable for open framed 3D printers, for:
FDM / FFF / SLA / DLP / MJ

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 FUME EXTRACTOR

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. Each filtration unit is supplied with connection hoses and 'print your own' plenum instructions.

Approvals UKCA and CE

Suitable for open framed 3D printers, for:
FDM / FFF / SLA / DLP

Dimensions	625 x 385 x 525mm
	24.60 x 15.16 x 20.67"
Airflow	165m³/hr
	97cfm

Technology

Datasheet download
bofainternational.com/3dprintpro-4

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

AD Oracle iQ

For large scale additive manufacturing machines. Suitable for:
SLA / DLP / MJ / SLS / SLS / BJ / DED.

For additional information - see pages 16 and 21.

FumeCAB 1000 iQ

Photopolymer printing and post processing extraction in one enclosure. Suitable for:
SLA / DLP / MJ / SLS / SLS / BJ / DED

For additional information - see pages 54 and 55.

| **RFA** Reverse flow air technology | **AFC** Automatic flow control technology | **MVS** Multi voltage sensing unit | **PATENTED** Patented technology | **SureCHECK** SureCHECK quality standard | **PROTECT** ProTECT service plan |

AM

AM 400 FUME EXTRACTOR

Designed and built specifically for inert particulate filtration, the AM 400 is the premium filtration and atmosphere management solution for the additive manufacturing industry.

It offers significant benefits to users in direct metal laser sintering and selective laser melting polymer applications.

Approvals UKCA and CE

Dimensions	790 x 857 x 1670mm
	31 x 33.74 x 65.74"
Pressure	9mbar
Minimum flow rate	150m³/hr
	88cfm
Maximum flow rate	330m³/hr
	188cfm

Technology

Datasheet download
bofainternational.com/am-400

Work with BOFA to create the appropriate system 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 systems, whether they are stand alone; ride on or integrated systems.

PERSONALISED SYSTEMS

Product customisation

Speak to our knowledgeable team about your specific requirements and how we can work with you to create the appropriate 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
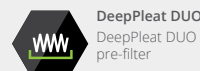+ hose kit

BESPOKE SYSTEMS

Unique products

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

Unit, filters and accessories, specific to your requirements.

OUR LEADING TECHNOLOGY

iQ2	**iQ** Intelligent Operating System (iQ)	**DeepPleat** DeepPleat pre-filter	**DeepPleat DUO** DeepPleat DUO pre-filter	**HEPA** HEPA filter	**ACF** Advanced carbon filter technology

PRODUCT FEATURES

Comparison table

	3D PrintPRO 2	3D PrintPRO 3	3D PrintPRO 4	AM 400	AD Oracle iQ	FumeCAB 1000 iQ
STANDARD FEATURES						
Brushless motor	✓	✓	✓	✓	✓	✓
Filter condition indicator	✓	✓	✓	✓	✓	✓
High airflow and pressure rates					✓	
Long life, low cost replacement filters	✓	✓	✓	✓	✓	✓
Small footprint	✓	✓	✓			
Digital speed control		✓	✓			
'Easi-seal' filter location				✓	✓	✓
Auto sensing voltage (100-230V) for global use	✓	✓			✓	
Automatic flow control system				✓	✓	✓
Intelligent Operating System (iQ)				✓	✓	✓
Lockable castors			✓	✓	✓	
Reverse flow air technology			✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓
UKCA / CE approvals	✓	✓	✓	✓	✓	✓
UL* approval					✓	
cUL* approval					✓	
OPTIONAL FEATURES						
VOC gas sensor					✓	✓
Remote stop/start interface	✓	✓	✓		✓	
Filter change/system fail signal					✓	

Product availability may vary by region. Please contact BOFA with any questions.

FILTER TECHNOLOGY

The majority of systems in the 3D / AM range incorporate three-stage filtration: pre-filter, HEPA and chemical section. For more information visit **bofainternational.com/filters**

ACCESSORIES

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

For more information, see page 60-61; contact your sales representative; or visit **bofainternational.com/accessories**

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HOW TO BUY BOFA

Go to page 10 to view our different buying options.

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* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA Reverse flow air technology	**AFC** Automatic flow control technology	**MVS** Multi voltage sensing unit
PATENTED Patented technology	**SureCHECK** SureCHECK quality standard	**PROTECT** ProTECT service plan

MECHANICAL ENGINEERING
DUST EXTRACTION

DustPRO range

Applications

Artifact restoration	Dust collectors	Mechanical engraving
Buffing	Filing	Rotary engraving
Chip collectors	Flicking	Routing
CNC	Grinding	Sanding
Drilling	Linishing	

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

DustPRO Universal DUST EXTRACTOR

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

Standard features

- Digital speed control - for variable airflow rates
- Auto sensing voltage (100-230V) for global use
- Filters with long life and low replacement cost
- High vacuum blower for effective filtering 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 45.

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 DUST EXTRACTOR

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

One of the main problems with other router extraction systems 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 BOFA's DustPRO 50 dust and fume extraction system is brushless and designed for continuous running before requiring servicing.

Approvals UKCA and 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 DUST EXTRACTOR

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 systems 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 BOFA's DustPRO 75 dust and fume extraction system is brushless and designed for continuous running.

Approvals UKCA and 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 DUST EXTRACTOR

This unit has been developed for the effective filtering of swarf and particulates created 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 UKCA and 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 DUST EXTRACTOR

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 helps to ensure efficiency in the running of the unit.

Approvals UKCA and CE
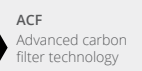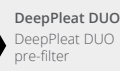
Dimensions	520 x 290 x 270mm
	20.47 x 11.42 x 10.63"
Airflow / Pressure	180m³/hr / 30mbar
	105cfm / 30mbar

Technology

Datasheet download
bofainternational.com/dustpro-250

OUR LEADING TECHNOLOGY

iQ2

iQ
Intelligent Operating System (iQ)

DeepPleat
DeepPleat pre-filter

DeepPleat DUO
DeepPleat DUO pre-filter

HEPA
HEPA filter

ACF
Advanced carbon filter technology

DustPRO 400 DUST EXTRACTOR

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 UKCA and CE

Dimensions	600 x 290 x 270mm
	23.62 x 11.42 x 10.63"
Airflow / Pressure	380m³/hr / 96mbar
	235cfm / 96mbar

Technology

Datasheet download
bofainternational.com/dustpro-400

DustPRO Universal DUST EXTRACTOR

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 UKCA and 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
DUST EXTRACTORS

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 features including our Intelligent Operating System (iQ).

Approvals UKCA and 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

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA Reverse flow air technology	**AFC** Automatic flow control technology	**MVS** Multi voltage sensing unit	**PATENTED** Patented technology	**SureCHECK** SureCHECK quality standard	**PROTECT** ProTECT service plan

Mobile FumeKART DUST EXTRACTOR

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, mould spores, solvent vapours and other pollutants from the work environment, the Mobile FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users have the 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 UKCA and 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 62-63.

ACCESSORIES

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

For more information, see page 60; contact your sales representative; or visit **bofainternational.com/accessories**
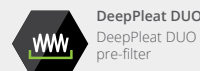
TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you.

For more information visit **bofainternational.com/ bofa-academy**

HOW TO BUY BOFA

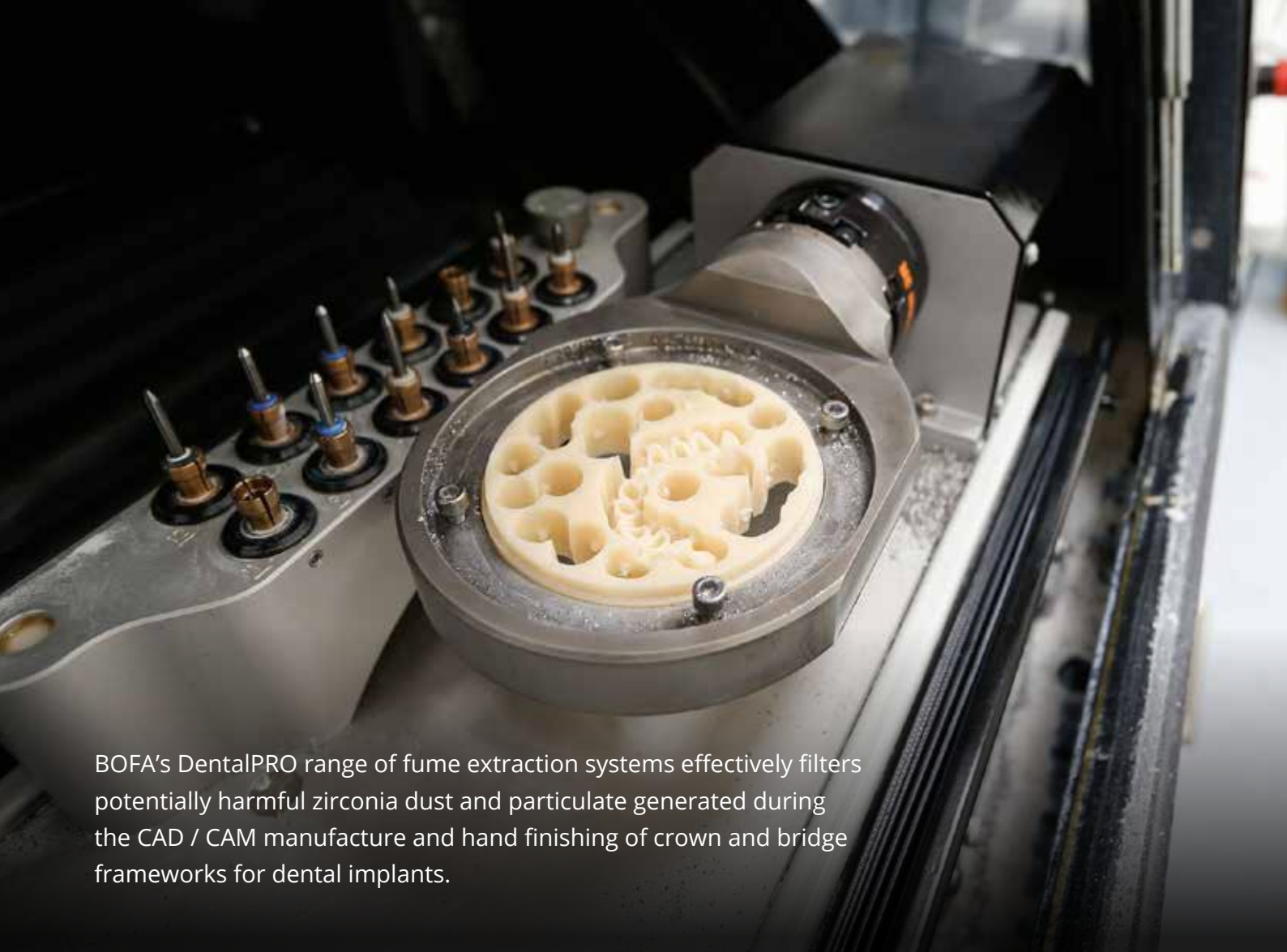*Go to page 10 to view our different buying options.*

OUR LEADING TECHNOLOGY

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter 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 (100-230V) for global use					✓	✓				
Digital speed control					✓	✓				✓
Automatic flow control system							✓	✓	✓	
Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter blocked indicator			✓	✓	✓	✓	✓	✓	✓	✓
HEPA filter technology			✓	✓	✓	✓	✓	✓	✓	✓
Reserve flow air technology							✓	✓	✓	
Intelligent Operating System (iQ)							✓	✓	✓	
Patented technology							✓	✓	✓	
UKCA / CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UL* approval						✓	✓	✓	✓	
cUL* approval						✓	✓	✓	✓	
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OPTIONAL FEATURES										
Remote stop / start interface		✓	✓		✓	✓	✓	✓	✓	
Filter change / system fail signal		✓			✓	✓	✓	✓	✓	
Onboard compressor							✓	✓		
Variety of arms / hoods										✓

Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

RFA Reverse flow air technology

AFC Automatic flow control technology

MVS Multi voltage sensing unit

PATENTED Patented technology

SureCHECK SureCHECK quality standard

PROTECT ProTECT service plan

DENTAL
DUST AND FUME EXTRACTION

DentalPRO range

Applications

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

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

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 filtered to maintain a safer 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 helps to ensure 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 51

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

bofainternational.com/dental

DENTAL DUST AND FUME EXTRACTION

DentalPRO range

DentalPRO MONO DUST EXTRACTOR

The DentalPRO Mono under bench fume extraction system effectively filters potentially toxic fumes and vapours emitted by the mixing of monomers in dental laboratories. Designed for use with the DentalPRO Xtract 100 (page 50) or 200 (page 50) 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 UKCA and 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 DUST EXTRACTOR

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

Approvals UKCA and 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 DUST EXTRACTOR

BOFA's DentalPRO 250 under bench dust extraction system effectively filters 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 potential dust particles are being effectively filtered to maintain a safer 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 UKCA and 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 DUST EXTRACTOR

This under bench multi user system effectively filters 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 potential dust particles are being effectively filtered to help maintain a safer 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 UKCA and 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

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology
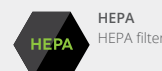
DentalPRO Universal DUST EXTRACTOR

BOFA's DentalPRO Universal stand alone dust extraction system effectively filters 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 filtered to maintain a cleaner 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 UKCA and 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 DUST EXTRACTOR

BOFA's DentalPRO Base is a ride on dust extraction system, which effectively filters 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 filtered, to maintain a cleaner 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 UKCA and 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 DUST EXTRACTOR

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.

Approvals UKCA and 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 DUST EXTRACTOR

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.

The high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles and fumes are being effectively filtered, to maintain a cleaner 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 helping to ensure a safer working environment.
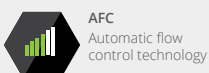
Approvals UKCA and CE

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

RFA
Reverse flow air technology

AFC
Automatic flow control technology

MVS
Multi voltage sensing unit

PATENTED
Patented technology

SureCHECK
SureCHECK quality standard

PROTECT
ProTECT service plan

DENTAL DUST AND FUME EXTRACTION

DentalPRO range
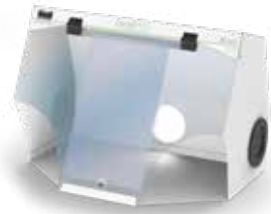
DentalPRO Xtract 100

BOFA's DentalPRO Xtract 100 dust and fume extraction cabinet is designed for the effective filtering 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 filtered to help maintain a safer working environment.

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

Approvals UKCA and 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 filtering 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 larger well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively filtered to help maintain a safer working environment.

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

Approvals UKCA and 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

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 filtering 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 large well lit enclosure, giving them the flexibility to work without restriction in the knowledge that potential dust particles and fumes are being effectively filtered to help maintain a safer 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 UKCA and 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

Featured product - see page 47

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

iQ2 iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology

PRODUCT FEATURES
Comparison table

STANDARD FEATURES	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
Compact design	✓	✓	✓	✓					✓	✓	✓
Auto sensing voltage (100-230V) 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 Operating System (iQ)							✓	✓			
UKCA / CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

OPTIONAL FEATURES	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
VOC gas sensor (Volatile Organic Compound)								✓			
Remote stop/start interface				✓	✓	✓	✓	✓			
Filter change/system fail signal				✓	✓		✓	✓			
Foot switch			✓	✓							
90° spigot lid			✓								
Onboard compressor					✓	✓	✓				

Product availability may vary by region. Please contact BOFA with any questions.

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 40-45 for more information.

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

RFA Reverse flow air technology

AFC Automatic flow control technology

MVS Multi voltage sensing unit

PATENTED Patented technology

SureCHECK SureCHECK quality standard

PROTECT ProTECT service plan

PHARMACEUTICAL & MEDICAL
FUME EXTRACTION

FumeCAB range

Applications

Blending & granulation	Liquid transfer	Soldering
Chemical control	Mixing	Spray drying
Conformal coating	Parts making	Tablet pressing & coating
Culture preparation	Pathology labs	Testing
Electroplating	Pippetting	Ultrasonic cleaning
Fluid bed drying	Powder weighing & handling	

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.

FumeCAB 1000 iQ EXTRACTION CABINET

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 - re-circulatory filtration fume cabinet specification
- Helps ensure 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 versions
- Optional kit for conformal coating processes
- Optional: ESD compatible

For optional features - see page 55

Available versions:

Tall   *Conformal coating*
Deep   *ESD*

Integrated filtration cabinet that helps to ensure 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

FumeCAB 250 EXTRACTION CABINET

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 potentially 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 EXTRACTION CABINET

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 help protect the operator and process.

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 EXTRACTION CABINET

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 helps enable safer 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 UKCA and CE

Optional: Kit for conformal coating processes
Optional: ESD compatible

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 EXTRACTION CABINET

The FumeCAB 1000 iQ integrated filtration system has been designed to help 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 UKCA and CE

Optional: Kit for conformal coating processes
Optional: ESD compatible
Available in tall and deep versions

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

Featured product - see page 53

OUR LEADING TECHNOLOGY

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology

Comparison table

	FumeCAB 250	FumeCAB 600	FumeCAB 700	FumeCAB 1000 iQ
STANDARD FEATURES				
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 Operating System (iQ)				✓
Reverse flow filter technology			✓	✓
Automatic flow control system			✓	✓
Patented technology				✓
Hose kit	✓	✓		
UKCA / CE approvals	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓
OPTIONAL FEATURES				
VOC monitor			✓	✓
Stand			✓	✓
Conformal coating blackout kit			✓	✓
UV lights			✓	✓
Anti-static (ESD)			✓	✓
Tall version				✓
Deep version				✓

Product availability may vary by region.
Please contact BOFA with any questions.

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 40-45 for more information.

FILTER TECHNOLOGY

The integrated FumeCAB helps provide a safer 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 filter 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 60; speak to your sales representative; or visit **bofainternational.com/accessories**
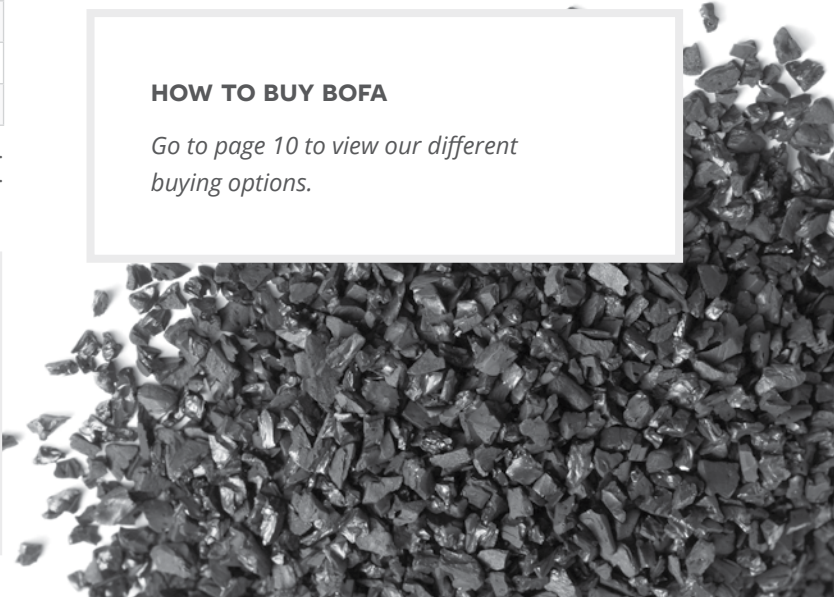
HOW TO BUY BOFA

Go to page 10 to view our different buying options.

TRAINING DESIGNED FOR YOU

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For more information visit
bofainternational.com/bofa-academy

BOFA™ ACADEMY

RFA Reverse flow air technology	**AFC** Automatic flow control technology	**MVS** Multi voltage sensing unit
PATENTED Patented technology	**SureCHECK** SureCHECK quality standard	**PROTECT** ProTECT service plan

BEAUTY
FUME EXTRACTION

PureBEAUTY range

Sleek fume extraction systems for modern beauty and hair salons

Applications

Hair salons	Nail filing
Gel and acrylic nails	Nail varnising
Manicures	Pedicures
Nail dust	

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

FEATURED PRODUCT – BEST IN CLASS

PureBEAUTY FUME EXTRACTOR

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, filtering toxic fumes and dust particulates generated during beauty processes. This unit helps you adhere to regulatory Health and Safety standards, and helping to keep you, your staff and your customers better protected.

Standard features

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

For optional features - see page 59

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

bofainternational.com/beauty

BEAUTY FUME EXTRACTION

PureBEAUTY range

PureBEAUTY FUME EXTRACTOR

The PureBEAUTY fume extraction and 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 UKCA and 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

Featured product - see page 57

PureBEAUTY+ FUME EXTRACTOR

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+ filters the contaminants and returns the filtered air back into the salon. It fits into any salon, without the need to replace existing nail stations or furniture.

Approvals UKCA and 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

Mobile FumeKART FUME EXTRACTOR

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 UKCA and 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

OUR LEADING TECHNOLOGY

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology

PRODUCT FEATURES

Comparison table

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

Product availability may vary by region.
Please contact BOFA with any questions.

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 added 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 60; contact your sales representative; or visit **bofainternational.com/accessories**

HOW TO BUY BOFA

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RFA Reverse flow air technology	**AFC** Automatic flow control technology	**MVS** Multi voltage sensing unit
PATENTED Patented technology	**SureCHECK** SureCHECK quality standard	**PROTECT** ProTECT service plan

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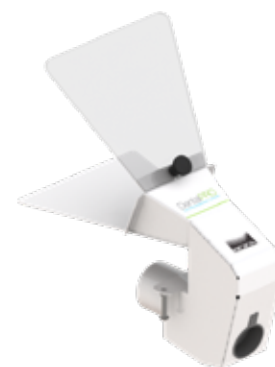
SOLDER IRON CONNECTION KITS
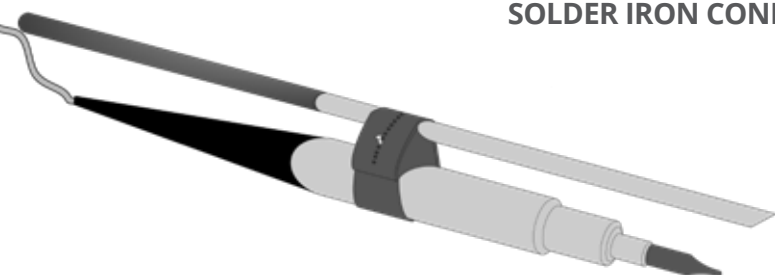
Ideal partner to the TVT 2; T 1; T 15; T 30A; T 60; T 100 - *See pages 24-25.*

HOW TO BUY BOFA

Go to page 10 to view our different buying options.

OUR LEADING TECHNOLOGY

iQ2 iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology
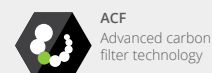
PIPEWORK

We offer a wide range of pipework available in 50mm, 75mm, 110mm, 125mm.

Speak to your sales representative to help 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.

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	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 helps to ensure optimal laser performance and reliability.
Approvals UKCA and CE	
	Dimensions 260 x 250 x 285mm
	10.2 x 9.9 x 11.2"
	Datasheet download bofainternational.com/ad-200-cu

AD 350 CU	Our AD 350 CU is designed to supply cool, filtered air to both the laser and power supply module. This clean, cool air helps to ensure optimal laser performance and reliability. It can also be used as a seal to increase the IP rating of the laser.
Approvals UKCA and CE | UL*	
	Dimensions 395 x 380 x 380mm
	15.55 x 14.96 x 14.96"
	Datasheet download bofainternational.com/ad-350-cu

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

| **RFA** Reverse flow air technology | **AFC** Automatic flow control technology | **MVS** Multi voltage sensing unit | **PATENTED** Patented technology | **SureCHECK** SureCHECK quality standard | **PROTECT** ProTECT service plan |

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.

ILF 300	Dimensions	796 x 638 x 328mm 31.34 x 25.12 x 12.92"
	Datasheet download bofainternational.com/ilf-300	
ILF 600	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

iQ2

iQ Intelligent Operating System (iQ)

DeepPleat DeepPleat pre-filter

DeepPleat DUO DeepPleat DUO pre-filter

HEPA HEPA filter

ACF Advanced carbon filter technology

Spark Arrestor 2

BOFA's Spark Arrestor 2 unit helps to 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 removable drop-out chamber, so protecting the fume extractor.

Approvals UKCA and CE	Dimensions	883 x 400 x 553mm
		34.76 x 15.75 x 21.77"
	Datasheet download	bofainternational.com/spark-arrestor-2

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 variations of our FireBOX to cater for metal only and general applications.

FireBOX GA/MA

Approvals UKCA and CE

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

WHICH PRODUCT DO YOU NEED?

The FireBOX GA is designed for general applications.

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

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

RFA
Reverse flow air technology

AFC
Automatic flow control technology

MVS
Multi voltage sensing unit

PATENTED
Patented technology

SureCHECK
SureCHECK quality standard

PROTECT
ProTECT service plan

THE **FUTURE**

We invest heavily in R&D to help ensure we are ahead of the game, providing global systems 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 helping to create 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.
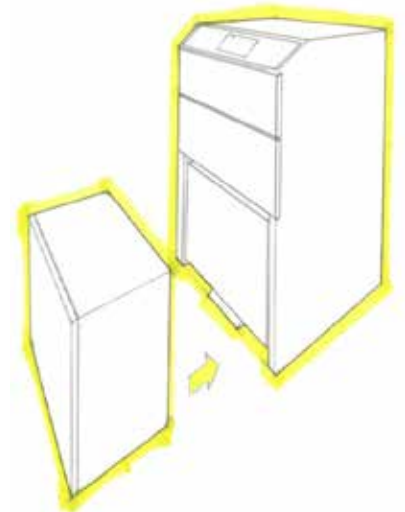
DeepPleat DUO with
INTEGRATED SPARK ARRESTOR

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

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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 printing 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 have designing a pressurised filter system to work in the 3D and additive manufacturing industry, helping you maintain a clean, healthy working environment dealing with the likes of cobalt chrome and titanium metals.

BOFA

™

A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

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