

# purified↻air®

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## OUR PROFILE

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COMPLETE METALWORKING SOLUTIONS  
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ISO Certified [customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)

# AIR FILTRATION EXPERTS

# COMMERCIAL AIR FILTRATION EXPERTS

Purified Air Ltd. has been manufacturing and servicing market-leading technology to filter and control oil, grease, smoke and odour from commercial kitchens since 1984.

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# ADVANCING AIR QUALITY.

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We believe in genuine expertise and transparent communication. Our mission is to develop highly effective, reliable filtration systems and knowledge-driven solutions.

We guide our customers, clients, and partners through the complex world of emissions control and enable them to navigate legislation and regulations to create pollution-free, safer environments.



# OUR CORE PRINCIPLES

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These core principles are at the heart of Purified Air. They underpin our day-to-day operations and have guided us through 40 years of business.

## BUILDING ENDURING TRUST

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We prioritise transparency and integrity in everything we do. This means fostering open communication with clients, delivering on promises, and standing behind the performance of our filtration systems.

## EMPOWERING EXPERTISE

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We are committed to continuous learning and sharing our expertise to empower clients to make informed decisions for healthier environments.

## RELENTLESS INNOVATION

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We are dedicated to pushing the boundaries of air filtration technology. Through continuous research and development, we strive to create innovative solutions that improve air quality, enhance sustainability, and meet the evolving needs of our clients.

# WHAT WE DO

We provide air filtration systems that filter polluted air and release clean and safe purified air into the environment for all to breathe. The versatility and effectiveness of our solutions enable us to provide effective systems for all sectors, including restaurants and kitchens, light-industry, virus control and indoor air quality (IAQ).



Design



Manufacture



Supply



Service

# HOW WE DO IT

Experience led advice

Innovative, technology

Versatile and tailored filtration solutions

We apply our 40 years of industry experience and expertise to ensure our technology uses the most innovative and effective results.

Our team ensures that our technology is innovative and effective in delivering the best results possible. With a wide range of options available, we can provide filtration solutions tailored to meet each customer’s unique needs. No matter how dirty or foul the air may be, we guarantee a solution that will work. By supplying various options, we can offer filtration solutions within endless combinations and provide solutions for our customers in any situation.

# WHO WE DO IT FOR

Contractors

Engineers

Managers

Business Owners

Governments

Brand Leaders

Global Restaurant Chains

World leading brands use Purified Air’s commercial air filtration products. The versatility and effectiveness of our solutions enable us to provide efficient and effective systems for all sectors, including restaurants and kitchens, manufacturing and industry, virus control and indoor air quality (IAQ).



# OUR HISTORY

MARKET LEADERS  
S I N C E  
1984



THE  
DUBAI MALL



HM Government



1984



Our founder, David Collins, started Purified Air, a business specialising in air filtration, including Tobacco Smoke Removal, Air conditioning, and commercial kitchen filtration.

**Our marketing leading ESP is launched.**

Significant clients during the first few years after starting the business include:  
**William Hill**  
**Mecca**  
**The Tote**  
**Pub Groups**

1987



Development of ON 100, the first odour control product.

1988



We establish our relationship with McDonald's supplying them with equipment kitchen extract systems. This relationship has lasted for over 35 Years and we have supplied product to over 1500 McDonald's in the UK alone.

Open logistics and service facility in Lyon Road, Essex, UK.

1990



Purified Air develops the first product for IAQ and virus control.

Most major fast-food chains adopt Purified Air products and solutions.

1995



Gareth Smith has been appointed the technical lead. He brings his expertise and knowledge, ensuring our solutions are at the forefront of filtration technology and efficiency.

2005



The UK government asks Purified Air to assist with the DEFRA Guide, the legislation and guidance for controlling the emissions from commercial kitchens.

Gareth Smith is appointed as Technical Director.

2008



Purified Air products are installed in 150 restaurants and businesses in the Dubai Mall.

2013



Andrew James is appointed as Sales Director after joining the business in 2003.

2018



The UK government asks us again to assist in updating EMAQ legislation for controlling emissions from commercial kitchens.

2020



ESPs awarded UL867 certification

We launch our first ESP range designed for the industrial and manufacturing markets.

2024



Purified Air celebrates its 40th anniversary.

# OUR APPROACH

We define goals, analyse customer needs, propose options, and deliver with expert support for efficiency and optimal performance.



## DEFINE

Begin with the end in mind

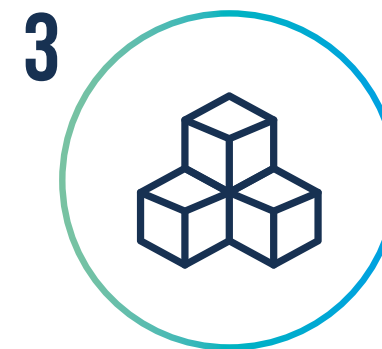
Creating solutions for new premises, upgrades or refurbishments. Before we start, we always like to engage with you and your team to dive deep and define the desired outcomes. Delivering solutions for new premises, upgrades or refurbishments.



## ANALYSE

Customer requirements

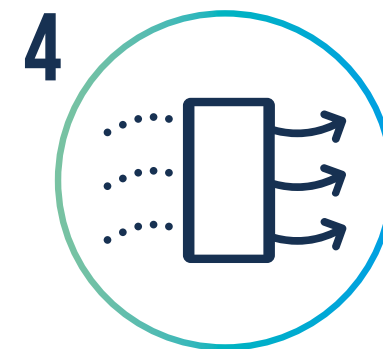
We undertake a thorough analysis to gather facts and data based on your current or new system requirements. This enables us to examine your requirements against government and industry guidance specific to your sector within your region.



## SPECIFY

Create a design solution

Once the analysis is completed, we can create and offer a range of solutions to match your required level of filtration. We work closely with our customers to meet compliance standards and incorporate any specific factors into the system.



## DELIVERY

Project delivery and support

We deliver worldwide. We can monitor, approve, and record every aspect of the project and ensure that everything aligns with the specified requirements. Product installations often need support, and our experienced service team will provide expert knowledge and guidance to ensure systems run at optimum performance.





OUR ADDED VALUE

# WE BUILD FOR STOCK

## **Short lead times**

Our extensive inventory of products ensures minimal lead times. You can instantly access the products you need, eliminating delays and allowing for immediate deployment. This readiness means your operations continue seamlessly and your projects' schedule stays on track.

## **Consistent Pricing**

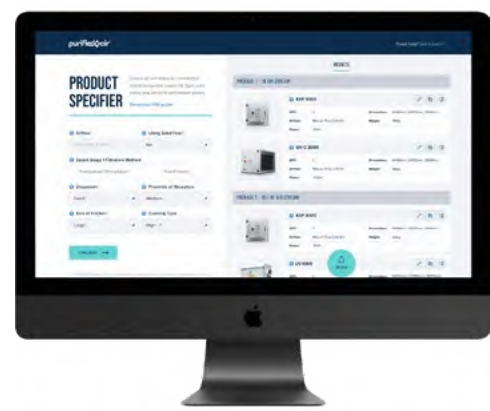
By building for stock, we offer consistent and predictable pricing. This stability protects you from market fluctuations and unexpected costs, making budgeting straightforward. You can rely on our transparent pricing structure, ensuring you always get fair, steady rates with every order.

## **Ready to Fulfil Large-Scale Demands**

With our substantial stock, we can quickly fulfil large orders. Whether for a single large project or multiple locations, our inventory supports your needs without delay. This capability ensures you can scale operations smoothly, meeting high demand efficiently and reliably.



# ADDING VALUE



## Product Selector

Purified Air has developed a new online Product Specifier for commercial kitchen consultants and contractors for fast, accurate specification. This tool is accessible via an exclusive link and facilitates quick access to the ideal product package recommendation for clients' commercial kitchen, extract, or exhaust system needs.



## Product Training

One to one and remote

Purified Air delivers detailed professional training presentations on all relevant parts of the subject at hand including varied examples based on our own knowledge and real-life experiences.



## International CPD Accredited Seminars

Purified Air provides comprehensive professional training presentations, both in the UK and internationally, covering all relevant aspects of the commercial air filtration, accompanied by diverse examples based on our expertise and real-life experiences.

UK Legislation

EMAQ Guidance

How to specify a grease, smoke and odour control system

What makes a good control system?

Grease, smoke and odour solutions



## Free site surveys (UK)

By understanding the site's characteristics, our suit surveys help optimise our recommended system solutions, including labour, materials, and equipment. This leads to cost savings and increased efficiency. In addition, Site surveys often involve assessing a project's environmental impact.



## EMAQ Risk Assessments / Project Design Support

As with any project we get involved in, we always recommend that our clients follow the EMAQ or local legislation closely for guidance on odour control equipment selection.

This ensures that their system will align with the local authority's requirements. If the system is maintained correctly, they will not exhaust nuisance odours leading to complaints from nearby residents or neighbours.





# SCALABLE SOLUTIONS



Our air filtration systems are designed with scalability in mind, offering a flexible solution that can grow with your needs.

Our modular product design allows them to be easily stacked side-by-side and on top of one another, enabling you to customise your filtration setup based on your space's size and specific requirements, from as little as 1,400cfm to over 115,000cfm

Whether you need to maintain air quality in a small restaurant or manage the polluted air from a manufacturing facility, our system can be adjusted to meet your needs.

As your environment evolves, additional units can be integrated seamlessly, providing a scalable solution that ensures consistent air quality over time.

After filtration, the clean air can be recirculated within the building or directed outside, depending on your specific needs. This adaptability helps maintain a healthy indoor environment and aligns with best practices for energy efficiency, as well as health and safety in commercial spaces.



# THE POWER OF COMBINED TECHNOLOGIES

Our solutions leverage the strength of multi-stage filtration, delivering a robust solution that meets and often exceeds the highest industry standards.

The first stage employs electrostatic filters, effectively capturing larger airborne particles like oil mist gasses and smoke or fumes. This method uses an electrostatic charge to trap contaminants, reducing their presence in the air with minimal energy consumption.

The second stage filters, deliver additional purification of the air stream further refining by using carbon or HEPA filters or a combination, depending on your specific needs. These high levels of filtration allow the clients if required to recirculate air back into the working environment. Carbon filters are a suitable option for removing certain odours,

gases, and greases / oils. HEPA filters, however, are designed to capture 99.97% of particles <0.3 microns, providing an additional layer of protection.

Our final filtration stage is a consideration for customers who require both high levels of filtration and the removal of significant odours from the working environment. Specifying UVC as the final filtration stage will deliver unprecedented results of filtration and odour control. By combining these technologies, our units deliver a robust and effective filtration process that ensures cleaner, safer air tailored to your environment's needs and demands.

## Multi-Stage Filtration Examples



2 x ESP 3000

4 x MFU 1800

Max Air Flow: 6000cfm  
up to 99% efficiency



6 x ESP 3000



3 x ESP 3000

6 x MFU 1800





# LOCAL SERVICE GLOBAL PRESENCE

Over 50 partners  
and distributors worldwide

MARKET LEADERS  
S I N C E  
1984



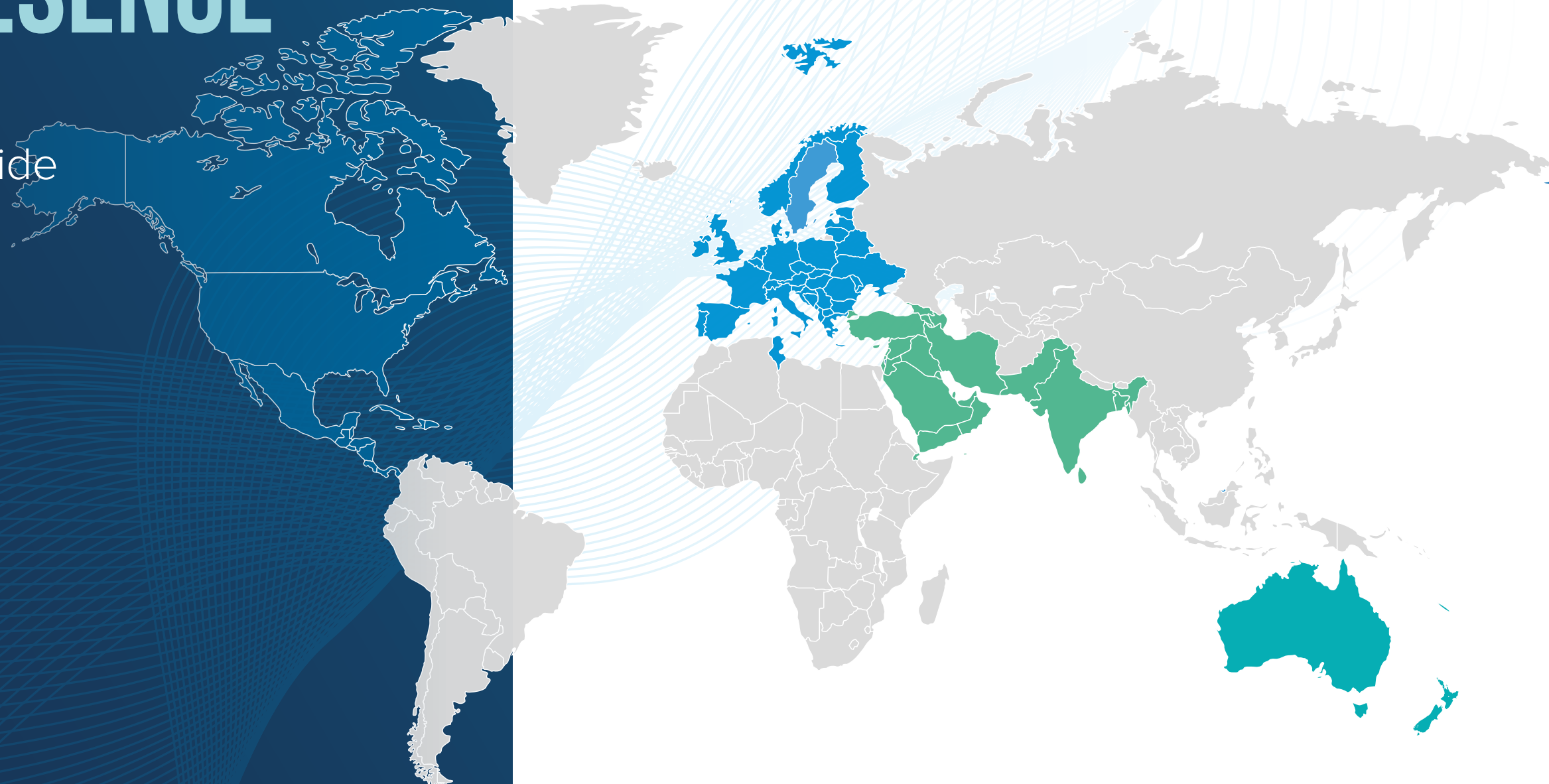
## OUR COVERAGE

Purified Air manufactures filtration and odour control products for stock and bespoke systems, supplying systems to many sectoral brands worldwide. The design of each solution is based on the type of exhaust pollution, the process used to create the impure air, and the system's capacity or air volume.

By working with these variables we can design and supply some of the world's best air filtration and odour control systems.

### WORLDWIDE COVERAGE

- United Kingdom
- Middle East
- North America
- Europe
- Asia
- Australasia





# OUR CUSTOMERS



The world's leading brands use Purified Air's filtration products. The versatility and effectiveness of our solutions enable us to provide effective systems for all sectors, from Commercial Kitchen, Industry, Manufacturing to Infection Control and Indoor Air Quality .

We help to provide safe and secure environments for leading organisations, healthcare and governments that recognise the harmful effects of poor air quality.

## TRUSTED BY



HM Government



Ministry of Defence



Department for Education



Landsec





# SECTORS WE COVER

## COMMERCIAL KITCHEN

The world's leading restaurant brands use Purified Air's commercial kitchen filtration products, from fast food chains to event venues and stadiums.



Smoke



Oil



Grease



Odour

**Fine Dining**

**Casual Dining**

**Fast Food**

**Stadiums**

**Event Venues**

**Hotels**

**Shopping Centres**

**Hospitality Venues**

## LIGHT INDUSTRY

We manufacture highly efficient air filtration systems to remove smoke, fumes and oil mist from machine tools and manufacturing processes.



Smoke



Oil Mist



Fumes

**Machine Tools**

**Manufacturing**

**Medical**

**Automotive**

**Aerospace**

## INDOOR AIR QUALITY VIRUS INFECTION CONTROL

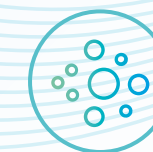
Trusted experts in commercial indoor air quality control and virus control filtration systems.



Virus



Bacteria



Dust

**Government**

**Healthcare**

**Offices**

**Airports**

**Food Manufacturing**

**Chemical Manufacturing**



OUR SECTORS

# COMMERCIAL KITCHEN

At Purified Air we specialise in the filtration and control of commercial kitchen exhaust systems. To filter and control the exhaust pollution properly you have to understand the two distinct phases:

## FILTERS REMOVE



Smoke



Oil



Odour





# KITCHEN AIR EXHAUST FILTRATION SPECIALISTS

Purified Air's commercial kitchen filtration products have been used by the world's leading restaurant brands.

When operating a commercial kitchen, it's fundamentally important to understand that no odour or smoke can be found at the exhaust. To manage exhaust pollution effectively, you must remove particulates (smoke, grease, hydrocarbons) and odour.

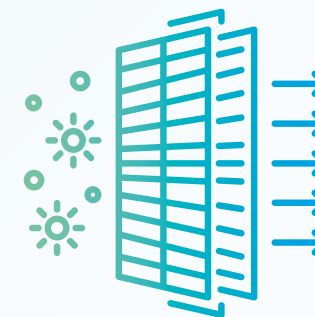
Purified Air is the industry-leading manufacturer of industrial kitchen electrostatic precipitators (ESP air filtration). Modular, affordable and scalable, our systems are unrivalled, with an efficiency of 98% down to 0.01 of a micron.

## What makes a good control system?

1. Low Capital Cost.
2. Low Maintenance and Repair Cost.
3. High Operation Efficiency.
4. Minimal reinstatement costs.
5. Maintained efficiency
6. Low constant pressure loss.
7. Low energy consumption.

### FILTRATION PHASE

#### PHASE 1



## Particulate

Smoke  
Grease  
Hydrocarbons

To effectively filter the particulate phase we manufacture and distribute a range of Electrostatic Precipitators or ESP's designed specifically for commercial kitchen application. These units utilise an ionisation process to filter particles down to submicron levels, with an optimum efficiency of up to 98%. We also supply passive filtration, including Activated Carbon, Baffle, Mesh, HEPA, Bag and Panel filters.

#### PHASE 2



## Gaseous

Mercaptans  
Combusted Gases  
Food Flavourings

To efficiently control the gaseous phase we manufacture a range of Ultra Violet Units or Ozone Generators as well as our Odour Neutraliser the ON100.



# OUR SOLUTIONS

## GREASE, SMOKE AND ODOUR CONTROL



GREASE SMOKE



### ESP

Specifically designed for kitchen extract systems, with an integral sump to collect the oil, grease and smoke particles filtered out of the exhaust.

UK's only ESP specifically designed for kitchen exhaust

IP65 Rated for outside installation

Competitive Cost /High availability

ODOUR



### UV-C

Our UV-C (short-wavelength ultraviolet radiation) technology is based on the synergy of oxygen and UV light to create ozone.

Highly energy efficient

Reliable and established technology

Competitive Cost

Modular Design

ODOUR



### UV-O

Unlike other UV-C systems, our UV-O units are located outside of the kitchen extract duct and are connected via a spigot and spiral ducting.

Easily retro-fit to existing system

Highly effective at reducing odours

Reliable and established technology

GREASE SMOKE ODOUR



### MFU

Our MFUs are designed explicitly for kitchen extract systems; using combinations of passive air filters, including panel, bag, HEPA and carbon.

Endless combinations of passive filtration

Multiple configurations

Modular in design

Competitive Cost /High availability

ODOUR



### ON-100

Purified Air use patented technology to scientifically treat cooking odours emitted by commercial kitchen and restaurant exhausts.

Established reliable technology

Easily retro-fit to existing system

Competitive Cost /High availability

GREASE SMOKE ODOUR



### REFLOW

Our revolutionary recirculation units extract the fumes, grease and odour into our bespoke filtration tower.

Easy installation

Up to eight stages of air filtration

Bespoke service available

Vertical or linear configurations available



GREASE SMOKE

# ESP RANGE

1500 | 3000 | 4500 | 6000

Our ESPs have been specifically designed for kitchen extract systems; they incorporate an integral sump to collect the oil, grease and smoke particles filtered out of the exhaust.

This not only simplifies servicing but also eradicates potentially dangerous spillage from the base of the units and greatly cuts down on grease build-ups within the ducting.

In addition, the ionisation voltage has been designed to run at a negative potential which enhances the ionisation of particles and produces more ozone, subsequently helping reduce cooking odours.

## THE BENEFITS OF ELECTROSTATIC TECHNOLOGY



Eliminates up to 99% of particles



Filters particles down to sub-micron levels



Modular design



Energy efficient



## TECHNICAL SPECIFICATION

	ESP 1500	ESP 3000	ESP 4500	ESP 6000
Supply	115 <sub>V</sub> /1PH 50-60HZ	115 <sub>V</sub> /1PH 50-60HZ	115 <sub>V</sub> /1PH 50-60HZ	115 <sub>V</sub> /1PH 50-60HZ
Power Consumption	20 <sub>w</sub>	30 <sub>w</sub>	40 <sub>w</sub>	50 <sub>w</sub>
Maximum Airflow	1500 <sub>CFM</sub> (UP TO)	3000 <sub>CFM</sub> (UP TO)	4500 <sub>CFM</sub> (UP TO)	6000 <sub>CFM</sub> (UP TO)
Dimensions (Inches)	W 17.7 H 24.8 D 25.2	W 35.4 H 24.8 D 25.2	W 53.1 H 24.8 D 25.2	W 70.9 H 24.8 D 25.2
Dimensions (mm)	W 450 H 630 D 640	W 900 H 630 D 640	W 1350 H 630 D 640	W 1800 H 630 D 640
Weight (lb)	122 <sub>LBS</sub>	188 <sub>LBS</sub>	260 <sub>LBS</sub>	338 <sub>LBS</sub>

Please note: This equipment needs to be interlocked with the extract fan.



ODOUR

# UV-C RANGE

1500 | 3000 | 4500 | 6000


Our UV-C (short-wavelength ultraviolet radiation) technology is based on the synergy which occurs when ozone and ultraviolet light are combined.

Each individual unit sits directly in the air stream of the kitchen extract duct and can feature from 8 to 32 high output lamps supplied in modules of 8.


The number of modules specified will be dependent on the cooking process coupled with the air flow volume which will dictate the amount of ozone needed.

A reaction based on the synergy which occurs when oxygen and 185nm ultraviolet light are combined, produce ozone. The ozone acts on the odorous gases, changing their molecular structure and neutralising their odours.

### THE BENEFITS OF UV-C TECHNOLOGY



Eliminates up to 90% of odours



Reduces the need for duct cleaning



Modular design



Energy efficient



### KEY FEATURES

- High efficiency UV-C technology
- Can reduce cooking odours by up to 90%\*
- Reduces the need for duct cleaning
- Designed to complement our ESP system

### TECHNICAL SPECIFICATION

	UV-C 1500	UV-C 3000	UV-C 4500	UV-C 6000
Supply	220-240 <sub>V</sub> 50-60HZ	220-240 <sub>V</sub> 50-60HZ	220-240 <sub>V</sub> 50-60HZ	220-240 <sub>V</sub> 50-60HZ
Power Consumption	560 <sub>W</sub>	560 TO 1120 <sub>W</sub>	1120 TO 1680 <sub>W</sub>	1680 TO 2240 <sub>W</sub>
Maximum Airflow	1500 <sub>CFM</sub> (UP TO)	3000 <sub>CFM</sub> (UP TO)	4500 <sub>CFM</sub> (UP TO)	6000 <sub>CFM</sub> (UP TO)
Dimensions (in)	W 17.7 H 24.8 D 25.2	W 35.4 H 24.8 D 25.2	W 53.1 H 24.8 D 25.2	W 70.9 H 24.8 D 25.2
Weight (lbs)	91 <sub>LBS</sub> (APPROX)	133 <sub>LBS</sub> (APPROX)	177 <sub>LBS</sub> (APPROX)	225 <sub>LBS</sub> (APPROX)



ODOUR

# UV-O RANGE

500 | 1000

Unlike other UV-C systems, our UV-O units are located outside of the kitchen extract duct and are connected via a spigot and spiral ducting.

## KEY FEATURES

- ▶ Easy to install
- ▶ Can be retro-fitted into existing duct
- ▶ Virtually no pressure loss
- ▶ No monthly maintenance needed

## THE BENEFITS OF UV-O TECHNOLOGY



Reduces odours by up to 90%



Easy to retro fit



Low maintenance



Low pressure loss



## UV-O TECHNOLOGY

The UV-O range uses UV-C technology to produce ozone which acts on gases by changing their molecular structure, reducing smells and breaking down odours in the ductwork ready for extraction. Unlike other UV-C systems, the UV-O units are located outside the kitchen extract duct and connected via a spigot and small-diameter ducts.

The airflow does not come from the exhaust duct but from the ambient air around the unit, which is filtered on entry. For optimum performance, two to six seconds of dwell time is recommended to allow the ozone to work effectively on the malodorous gases within the duct.

## TECHNICAL SPECIFICATION

	UV-O 500	UV-O 1000
Supply	220-240 <sub>V</sub> 50-60HZ	220-240 <sub>V</sub> 50-60HZ
Power Consumption	140 <sub>W</sub>	640 <sub>W</sub>
Maximum Airflow	3178 <sub>CFM</sub> (UP TO)	5297 <sub>CFM</sub> (UP TO)
Dimensions (in)	W 24 H 11.8 D 7.9	W 59.9 H 13.8 D 15.9
Weight	24 <sub>LB</sub> (APPROX)	111 <sub>LB</sub> (APPROX)



GREASE SMOKE ODOUR

MULTI-FILTER UNIT

MFU RANGE

600 | 1200 | 1800

Our MFUs are designed explicitly for kitchen extract systems; they collect the oil, grease and smoke particles filtered out of the exhaust through a combination of passive air filters, including panel, bag, HEPA and carbon.

The high-quality unit can house multiple filter combinations and is effortlessly serviced, replaced or even re-configured to provide continually effective and affordable kitchen extract particulate control. Additionally, the units help reduce grease build-up within the ducting and reduce odours.

Its modular design means units can be configured in various ways to handle any required flow rate, providing effective and efficient kitchen extract filtration.



KEY FEATURES

- Multiple configurations
- Eliminates oil, grease, smoke particles and odours
- Filters particles down to submicron levels
- Modular in design
- Endless combinations of passive filtration
- Greatly reduces grease build-up within the duct run

TECHNICAL SPECIFICATIONS

FILTERS		WIDTH (in)	HEIGHT (in)	DEPTH (in)	WEIGHT (lb)
Panel	1.8 in	23.4	23.4	1.8	1.1
	3.7 in	23.4	23.4	3.7	1.1
Bag	11.8 In	23.3	23.3	11.8	3.3
HEPA	11.8 In	23.3	23.3	11.8	39.7
Carbon	Site Safe (7.7 in)	23.4	23.5	7.7	39.7
	Carbon Block (11.7 in)	23.4	23.4	11.7	72.7

CASING ONLY	WIDTH (in)	HEIGHT (in)	DEPTH (in)	WEIGHT (lb)
MFU 600	25.2	24.8	36.4	123
MFU 1200	49.0	24.8	36.4	172
MFU 1800	72.2	24.8	36.4	258

ODOUR

# ON 100

ODOUR CONTROL UNIT

Purified Air use patented technology to scientifically treat cooking odours emitted by commercial kitchen and restaurant exhausts.

Once the airstream in the exhaust duct has had the majority of the particulates removed by one of our ESP units the gaseous phase or malodour can then be treated by the ON 100.

The vapour from a specially blended neutralising agent, ELIMINODOR®, is mixed with ambient air drawn into the ON100 and ionised to a negative potential of 15,000 volts.

This ionised vapour then passes along a nonconductive tube to be discharged into the centre of the duct via a venturi spigot, the metal ducting is earthed through the same high tension circuit which makes the contaminant at an opposite potential to the negatively charged ELIMINODOR® vapour.

This then causes the negative and positive particles to combine, so treating the malodour by chemical reaction.

THE BENEFITS OF ON 100



Reduces odours up to 75%



Low pressure loss



Easy to retro fit



Energy efficient



## KEY FEATURES

- ▶ Compact Design
- ▶ No airflow resistance
- ▶ Easy to maintain
- ▶ Energy efficient
- ▶ Simple to install

TECHNICAL SPECIFICATION

	ON 100
Supply	220-240V 50-60HZ
Power Consumption	40W
Ionisation voltage	15KV negative
Maximum Airflow	8815 CFM (UP TO)
Dimensions (in)	W 15.7 H 19.7 D 7.9
Weight (lbs)	12.25 (APPROX)





# REFLOW

## RECIRCULATION UNIT

- ✓

5/8 Stage Filtration Process
- ✓

Laboratory Tested
- ✓

No Need For External Ducts
- ✓

Can Be Sited Remotely

Our revolutionary recirculation units extract the fumes, grease and odour into our bespoke filtration tower.

There is an increasing demand for unlocking new locations where planning permission may have been refused or where a duct route to outside is simply not possible; Purified Air now has a solution. Our revolutionary recirculation unit extracts the fumes, grease and odour into our filtration tower and returns cleaned air back into the kitchen fully filtered.

### FILTERS REMOVE

 Odour

 Smoke

 Steam

 Oil

### VERTICAL AND HORIZONTAL CONFIGURATIONS AVAILABLE

### TECHNICAL SPECIFICATION

REFLOW 0.9	
Electrical Supply	3 Phase - 16 Amp
Max Air Volume	up to 1906 cfm
Dimensions	W 31.5 in
	H 86.6 in
	D 43.3 in
Weight	1257lbs inc Filters

REFLOW 2.0	
Electrical Supply	3 Phase - 16 Amp
Max Air Volume	up to 4237 cfm
Dimensions	W 55.2 in
	H 114.2 in
	D 82.7 in
Weight	3087lbs inc Filters

REFLOW 1.5	
Electrical Supply	3 Phase - 16 Amp
Max Air Volume	up to 3178 cfm
Dimensions	W 43.3 in
	H 86.6 in
	D 61.4 in
Weight	1654lbs inc Filters

GREASE SMOKE ODOUR

# PASSIVE FILTRATION

CARBON | HEPA | PANEL | BAG | OTHERS

At Purified Air, we supply a range of passive filtration that can be used in conjunction with our electrostatic precipitators and powered units or as standalone filters depending on the situation.

We use our combined experience of over one-hundred years in the air filtration industry to help specify the appropriate type of filtration for your system. We offer expert service and maintenance advice to ensure your filters operate at their highest efficiency.

Additionally, we hold the most popular sizes in stock. We supply many different sizes and grades of all our passive filters, which can be made to order if required.

## PASSIVE FILTRATION

### OUR FILTERS INCLUDE



PANEL



HEPA



CARBON

### KEY FEATURES

- ▶ Cost effective.
- ▶ Available in a wide range of sizes.
- ▶ Variety of grades, filtration levels and efficiency.
- ▶ We hold stock of commonly requested filters to guarantee minimal lead times.



BAG FILTER



COMMERCIAL KITCHEN

# CASE STUDIES

Fine Dining

Casual Dining

Fast Food

Events Venues

Stadiums

FAST FOOD

KFC  
NATIONWIDE



A great brand, with the best specialised products.

KFC is a brand with a great story behind it. They looked to Purified Air for similar reasons. A great brand, with the best-specialised products.

We have been supplying KFC with commercial kitchen odour control equipment since the mid-1990s. There are two ESP 4500's and a UVO 1000 unit at this site in Stourbridge. Fried chicken is generally a high grease and odorous cuisine, so we are always careful when selecting the right specifications for each job.

## SERVICES PROVIDED

▶ Electrostatic Precipitation

▶ Odour Control

▶ Risk Assessment

▶ Safe ducting

LOCATIONS

250+

KFC kitchens in the UK have  
Purified Air equipment installed

LONG STANDING

36+

year relationship with KFC

SERVICING

750+

Service visits per year

## FAST FOOD

# MCDONALD'S

NATIONWIDE



## CINEMA / EVENT VENUE

# CINEWORLD

O2, LONDON



A long standing relationship with McDonalds since the early 1990's. McDonald's is one of our most cherished customers and quite possibly the most recognisable and successful fast-food brand in the world. So we're very proud to be their first choice for Commercial Kitchen Filtration both in the UK & throughout Europe.

Since the early 1990's we have been providing first and second stage filtration up and down the country to assist them with their high standards of cleanliness and care for the

local environment. We offer various solutions to McDonald's and always take a bespoke approach when dealing with individual restaurants.

The busy McDonald's at London Bridge Station has two ESP 4500's to remove the smoke, oil and grease alongside Carbon Filters to absorb any smells from the cooking processes.

## SERVICES PROVIDED

- ▶ Electrostatic Precipitation
- ▶ Odour Control
- ▶ Risk Assessment
- ▶ National service

The entertainment world is fast-changing, with the market going through various upheavals and shifting trends.

Cineworld, the second largest cinema group globally, is a real innovator and has achieved great success through clever expansion and an unparalleled operating model. Taking over the space from Vue in July 2010 they have since made various infrastructural improvements with new screens and of course restaurant capabilities.

Leading Air filtration for a leading venue In a space like the O2, operators must be pliable, flexible and follow specific requirements with the termination of air extraction. So

Cineworld knew they needed to work with the best to get a bespoke design suited to them and their needs.

Also, in the O2, Purified Air are entrusted by: ASK Italian, Beer and Burger, Nando's, Thunderbird Fried Chicken and Wagamama. All contractors approached us at different times with different situational needs.

## SERVICES PROVIDED

- ▶ 8-stage Air Filtration
- ▶ Odour Control
- ▶ Risk Assessment

## RESTAURANTS

# 1250+

McDonalds in the UK have Purified Air equipment installed

## YEARS

# 36+

Relationship with McDonalds

## AIR FILTRATION UNITS

# 8000+

Purified Air products supplied



OUR SECTORS

# INDUSTRIAL AIR FILTRATION

Purified Air manufactures highly efficient air filtration systems to remove smoke, fumes and oil mist from machine tools and manufacturing processes.

## FILTERS REMOVE



Smoke



Oil



Mist

TRUSTED BY

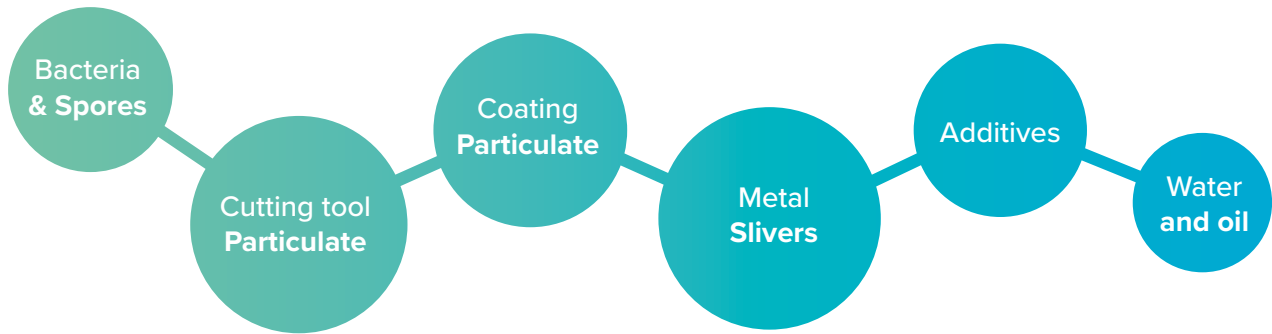
**Phillips**  
MACHINE TOOLS

**TORNOS**

**CITIZEN**



# INDUSTRIAL PROCESSES



Neat oil / emulsions

Machining process along with the coolants create submicron particulate matter (or are atomised) as part of the machine process.

Typical applications are high-precision machine tool manufacturers

# APPLICATIONS

- 

Sliding heads
- 

Gun Drill
- 

Gear hobbing
- 

Welding
- 

Grinding
- 

Die Casting

Most other neat oil applications are ideal for ESP

## INDUSTRIAL AIR FILTRATION

# OUR SOLUTIONS

### MOUNTED



#### ESP 600/1000

Our Electrostatic Precipitators, or ESPs, are up to 99% efficient. Due to their compact size and built-in fan system, they can be directly mounted to a machine tool or onto a stand or bracket.

Removes smoke, fumes and oil mist

Compact design

Low vibrations

### MOUNTED



#### ESP 2000/4000

Modular design and built-in fan system, the units can be mounted on a machine tool, on a freestanding stand or via a transition to allow for venting to the atmosphere.

Removes smoke, fumes, and oil mist

Compact design

Low vibrations

### IN DUCT



#### ESP Centralised

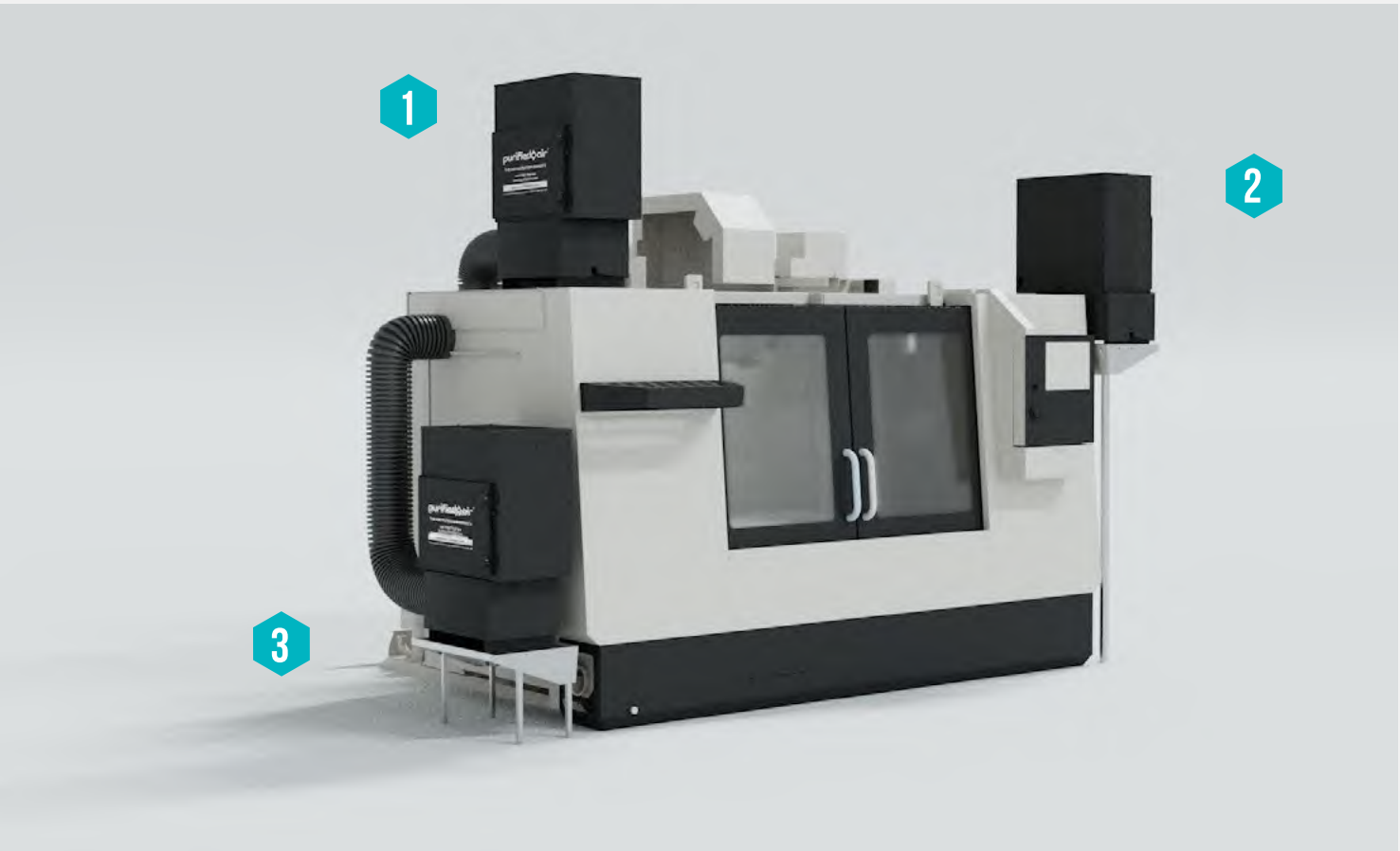
Ideally suited to larger volumes of smoke, fumes and oil mist. The unit's sizeable modular capacity are IP65-rated and have a built-in sump and drain point.

Our flagship ESP product

Easy to install

IP65 rated for outside installation



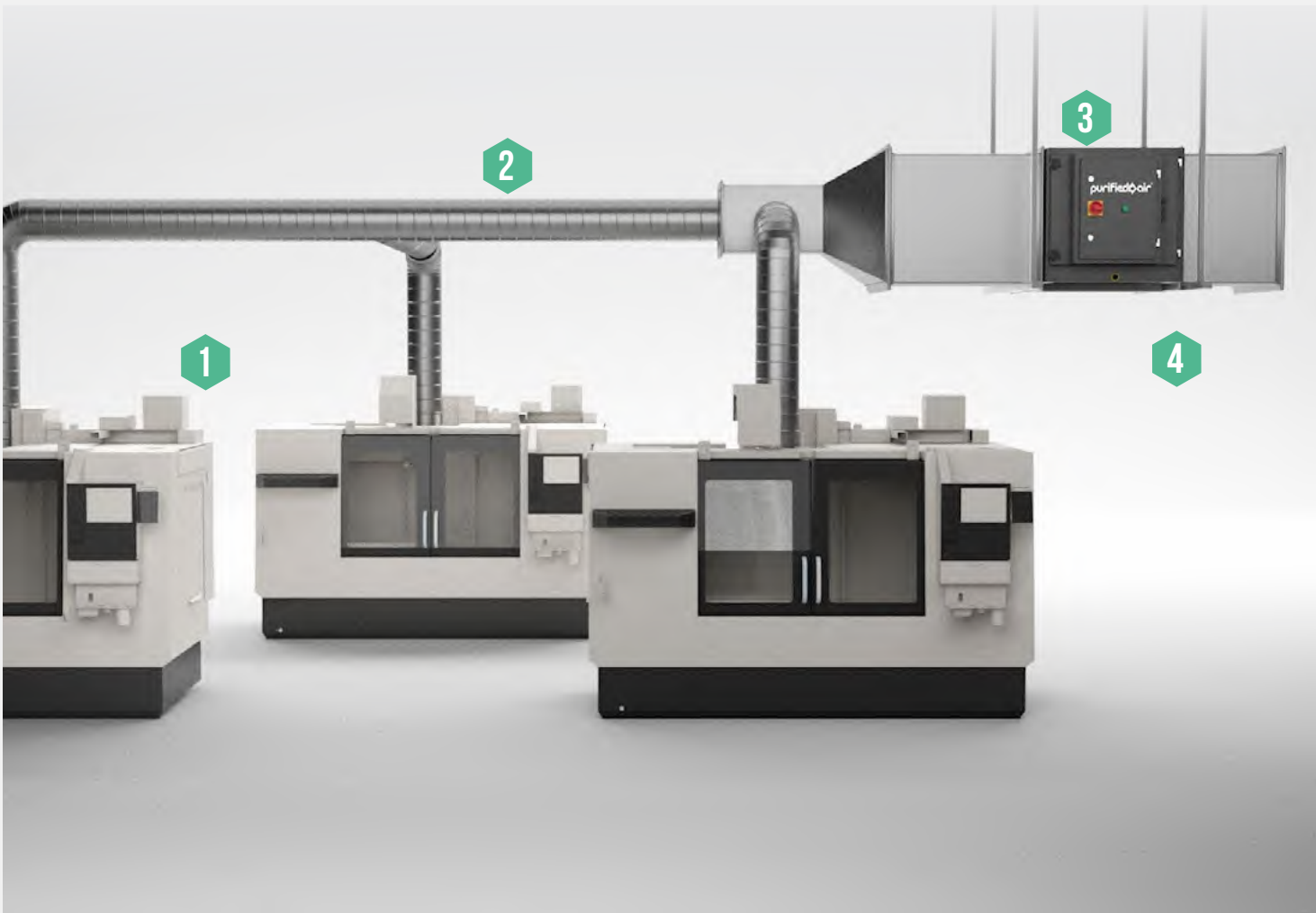


# CENTRALISED SOLUTIONS

Our ESP units fit in-line with the workshop ducting and can be configured modularly to cope with all extract volume requirements.



- 01 Smoke, fumes and oil mist particulates
- 02 Air drawn up through the ducting
- 03 ESP - Particulate Control Unit
- 04 Purified air drawn out to exhaust



# MACHINE MOUNTING

Installations will be directed by the customer and can be either:



- 01 Direct mounted with plenum
- 02 Side Mounted with plenum and gallows bracket
- 03 Stand mounted with plenum separate

Note: Purified Air do not recommend direct mounting

OIL

OIL MIST

FUMES

MACHINE MOUNTED

# ESP 600/1000

Our Oil Mist Units features a double-pass ESP technology and is efficient at 99%. Due to their compact size and built in fan system, they can be directly mounted to a machine tool.

The ionisation voltage has been designed to run at a positive potential, reducing ozone production and making it ideal for indoor applications.

A highly efficient oil, mist and smoke collector is effective on all metalworking fluids.

## FILTERS REMOVE



Smoke



Oil



Mist



## KEY FEATURES

- Filters particles down to sub-micron levels
- Specifically designed for industrial application
- Tested to 99% efficiency
- Energy efficient
- Low operating costs
- Removes oil, mist and smoke
- Minimal maintenance required
- Compact design

## TECHNICAL SPECIFICATION

	ESP 600	ESP 1000
Electrical Supply	220/240 50/60Hz	220/240 50/60Hz
Max Air Volume (CFM)	1177 CFM	2354 CFM
Max Power Consumption	540w	1080w
Dimensions (inches)	23.98	41.61
	27.17	27.17
	42.24	42.24
Weight (lbs)	145.53	291.06



OIL

OIL MIST

FUMES

MACHINE MOUNTED

# ESP 2000/4000

Our Electrostatic Precipitators, or ESPs, are up to 99% efficient. Due to their modular design and built-in fan system, the units can be mounted on a machine tool, on a freestanding stand or via a transition to allow for venting to the atmosphere.

The ionisation voltage has been designed to run at a positive potential, making it ideal for Industrial applications. This highly efficient oil mist, smoke and fume collector is effective in most manufacturing processes.

## FILTERS REMOVE



Smoke



Oil



Mist



## KEY FEATURES

- Filters particles down to sub-micron levels
- Tested to 99% efficiency
- Low operating costs
- Minimal maintenance required
- Specifically designed for industrial application
- Energy efficient
- Removes oil, mist and smoke
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OIL

OIL MIST

FUMES

IN-AIR STREAM

# ESP CENTRALISED

1500 | 3000 | 4500 | 6000

Our Electrostatic Precipitators, or ESPs, are ideally suited to larger volumes of smoke, fumes and oil mist. The unit's sizeable modular capacity can be configured from 2500m3/h up to 60,000m3/h. They are IP65-rated and have a built-in sump and drain point.

Access doors and replaceable components enable them to be serviced easily and quickly, reducing workshop downtime. In addition, systems can be configured to remove odour control to offer greater comfort within the workshop or industrial environment by lowering the contaminated air that is exhausted into the atmosphere.

Our products are compact, energy-efficient and affordable for small workshops (cellular) but scalable for large turnkey projects (centralised), delivering a significant ROI.

## FILTERS REMOVE



Smoke



Oil



Mist



## KEY FEATURES

- Eliminates up to 98% of oil mist, fumes and smoke particles
- Energy efficient: uses 20–50W
- Suited for large air volumes
- Quick and easy service access reducing workshop down time
- Filters particles down to sub-micron levels
- IP65 rated for outside location
- Modular in design

## TECHNICAL SPECIFICATION

	ESP 1500	ESP 3000	ESP 4500	ESP 6000
Electrical Supply	220/240V 50-60Hz	220/240V 50-60Hz	220/240V 50-60Hz	220/240V 50-60Hz
Max Air Volume	1500 CFM	3000 CFM	45000 CFM	6000 CFM
Max Power Consumption	20w	30w	40w	50w
Dimensions (inches)	W 17.7 in	W 35.4 in	W 53.1 in	W 70.9 in
	H 24.8 in	H 24.8 in	H 24.8 in	H 24.8 in
	D 25.2 in	D 25.2 in	D 25.2 in	D 25.2 in
Weight (lbs)	122lbs	188 lbs	260 lbs	338 lbs



INDUSTRIAL

# CASE STUDIES

Machine Tools

Grinding Machine

Manufacturing

Medical

Automotive

Aerospace

MANUFACTURER

## SCREW MANUFACTURER

INDIA

Purified Air were asked by the customer to provide an alternate solution to their current filtration units, due to their current costs being too high.

Their Tornos CnC machine was operating at around 150 bar using neat oil, which created a large volume of fine oil-mist. Their current filtration unit was of centrifugal design with a high-energy motor and disposable HEPA filters, and both maintenance and energy demand were too high. Once the filters were blocked (after only two months), submicron oil-mist pollution was extracted into the workplace.

### The Solution

Purified Air installed an ESP2000 Electrostatic Precipitator reducing the energy demand by 75% and achieving 99% efficiency at  $<1\mu$ . The units were supplied as standard with washable filter cells. Reducing the cost of spares by 100% and loss of down time for maintenance by 70%, and generating a viable ROI and guaranteed future savings.

### SERVICES PROVIDED

**EFFECTIVE**

Removal of oil mist from the CnC machine process

**HIGH-LEVEL**

of filtration at low operating cost

**EASY**

Provided with washable, serviceable filter cells.

MANUFACTURER

# AUTOMOTIVE COMPONENT

INDIA

We were tasked with finding an alternative solution to the customer’s existing filtration units due to the excessive costs.

Their MAZAK machine was operating around 5 bar using coolant (emulsion) which creates a large volume of fine water based oil-mist, their current filtration unit was of media filter design with a high energy motor and disposable HEPA filters, both maintenance and energy demand were too high.

**The Solution**

Purified Air installed an ESP1000 “double pass” Electrostatic Precipitator reducing the energy demand by over -75% and achieving 98% efficiency at <1µm The units were supplied as standard with washable filter cells. Reducing the cost of spares by 100% and loss of down time for maintenance by 50%. The ROI on the ESP was estimated at less 18 months.

**SERVICES PROVIDED**

- ▶ Removing emulsion oil mist from the CnC machine process
- ▶ High level of filtration at low operating cost
- ▶ Provided with washable, serviceable filter cells.

MANUFACTURER

# CUTTING TOOL

INDIA

Purified Air were asked by the customer to provide a solution for significant oilmist / smoke discharge after the machining operation, alongside this they also required an energy efficient solution with low demand.

Their Citizen CnC machine was operating at around 5bar using neat oil this creates a large volume of fine oil-mist, they did not have any filtration on this machine tool which was generating a significant volume of oilmist which created a difficult working environment for the employees once the doors were opened.

**The Solution**

Purified Air installed an ESP600 Electrostatic Precipitator significantly reducing the oilmist and creating a negative pressure when the doors of the unit were opened. The extracted clean air was recirculated at 98% <0.1µ

Our low energy unit also offered a cost effective solution reducing the energy demand by 75% and showing a sizable ROI. The units were supplied as standard with washable filter cells, further reducing the cost of spares by 100% and loss of down time for maintenance by 70%.

**SERVICES PROVIDED**

- ▶ Removing oil mist from the CnC machine process
- ▶ High level of filtration at low operating cost
- ▶ Provided with washable, serviceable filter cells.



OUR SECTORS

# INDOOR AIR QUALITY

We are indoor air quality specialists and have been working in commercial indoor air filtration since 1984. Since the COVID-19 pandemic, there's been an increased awareness of the importance of indoor air quality, and we deploy our technology in office and commercial spaces. Using UVGI technology, our virus irradiation products are designed to irradiate COVID-19 and many other harmful airborne viruses and bacteria.





## The benefits of our indoor air quality products



Tried and Tested  
Technology



Deactivates bacteria and  
viruses



Non-ozone producing  
lamps



Energy efficient

## TWO-STAGE FILTRATION SOLUTIONS

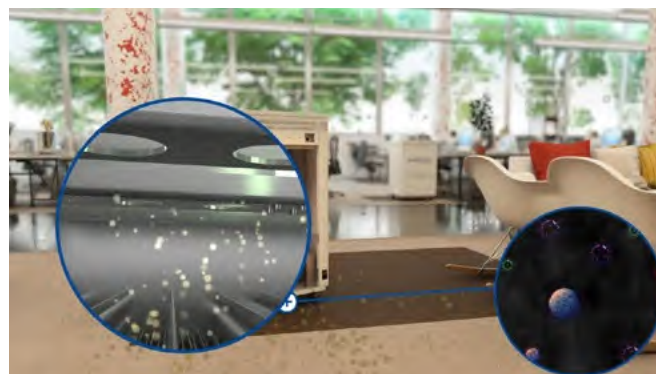
### ESP FILTRATION

#### ELECTROSTATIC PRECIPITATION

Purified Air's unique electrostatic filtration removes tiny particles from the air by applying a static charge to particles in the airstream.

These particles are then attracted to collector plates which have the opposite electrical potential, resulting in them being stripped from the air.

This filtration capacity is highly efficient – up to 99% – even with sub-micron sized contaminants



such as virus and bacteria. The industrial air filtration system components are metal, which means they can be easily cleaned, avoiding the need to replace the air filters.

### UVGI FILTRATION

#### ULTRAVIOLET GERMICIDAL IRRADIATION

UV technology deactivates pathogens, viruses and airborne contaminants such as algae, fungi and protozoa.

Short-wavelength ultraviolet (Ultraviolet C or UV-C) inactivate micro-organisms by destroying their nucleic acids and disrupting their DNA. UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering their molecular structure, leaving them unable to replicate or grow.



UVGI is the only form of Virus Neutralization that is tried, tested and endorsed by leading bodies, including ASHRAE, CDC and many more, as opposed to other experimental and untested technologies on the market.

#### UVGI ADVOCATED AND SUPPORTED BY



#### TESTED AND VERIFIED

University of  
Kent



OUR SOLUTIONS



UV



**UVGI Range**

Our UVGI range has a destructive effect with micro-organisms such as viruses and bacteria.

Tried and tested technology

Modular design

Minimal maintenance

ESP UV



**VIU MOBILE**

The VIU Mobile uses a dual technology electrostatic precipitation and ultraviolet light to provide purified air to your environment.

Uses world renowned ESP and UV-C technology

Highly efficient

Competitive Cost / High availability

ESP UV



**VIU 1000**

Designed to be installed in offices, gyms and other commercial premises to remove airborne particles and help to destroy viruses.

Concealed overhead unit

Standalone recirculating system

Highly efficient

UV



**Fan Coil UVGI**

Uses UV-C technology to irradiate virus and bacteria. The unit can be located in line with a new or existing fan coil unit as part of the room air distribution.

Concealed overhead unit

Highly effective at reducing odours

Adapter and installation kits available

UV



**Cassette UVGI**

Versatile UV air purifier which fits seamlessly into the environment. It quietly removes harmful virus and bacteria, delivering clean, purified air into the space.

Compact and concealed

Uses reliable technology

Replaces a single ceiling tile

Quiet Operation

UV-C

IN-AIR STREAM / AHU

# UVGI RANGE

1500 | 3000 | 4500

Our modular UVGI range has a destructive effect on micro-organisms such as viruses and bacteria. By installing the unit within the air handling system, viruses and bacteria, including COVID-19, can be inactivated by exposure to UVGI.

## KEY FEATURES

- High efficiency technology
- Kill rate up to 99.99% effective
- Simple or fully monitored
- Local alarm / BMS signal if in fault

## THE BENEFITS OF UVGI TECHNOLOGY



Eliminates up to 99% of particles



Deactivates pathogens and viruses



Modular design



Energy efficient



## TECHNICAL SPECIFICATION

	UVGI 1500	UVGI 3000	UVGI 4500
Supply	220-240 V 50-60HZ	220-240 V 50-60HZ	220-240 V 50-60HZ
Power Consumption	560 <sub>W</sub>	560 - 1120 <sub>W</sub>	1120 TO 1680 <sub>W</sub>
Maximum Airflow	0.7 M <sup>3</sup> /SEC (UP TO)	1.4 M <sup>3</sup> /SEC (UP TO)	2.1 M <sup>3</sup> /SEC (UP TO)
Dimensions (mm)	W 450 H 630 D 640	W 900 H 630 D 640	W 1350 H 630 D 640
Weight	43 KG (APPROX)	66 KG (APPROX)	89 KG (APPROX)



UV-C

ESP

AIR PURIFIER & VIRUS IRRADIATION UNIT

# VIU MOBILE

A practical but aesthetic sterilisation unit suitable for both commercial and medical applications to remove airborne particles and help to destroy viruses including Coronavirus.

### KEY FEATURES

- High efficiency technology
- Kill rate up to 99.99% effective
- Simple or fully monitored
- Local alarm / BMS signal if in fault

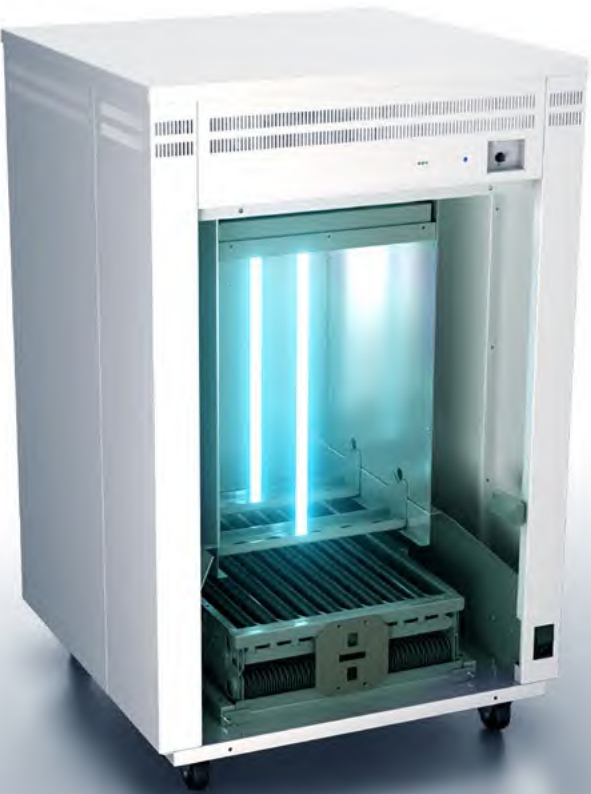
### DUAL TECHNOLOGY

#### ESP TECHNOLOGY

Electrostatic filtration is a method of removing tiny particles from the air, the system works by applying a static charge of around 8000v to particles in the airstream.

#### UVGI TECHNOLOGY

UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering their molecular structure, leaving them unable to replicate or grow.



### THE BENEFITS OF ELECTROSTATIC TECHNOLOGY

- |  |  |  |   |
|--|--|--|---|
| <br>Eliminates up to 99% of particles | <br>Filters particles down to sub-micron levels | <br>Minimal maintenance | <br>Energy efficient |
|--|--|--|---|

### TECHNICAL SPECIFICATION

Electrical Supply <b>220-240<sub>V</sub></b> SINGLE PHASE	Power Consumption <b>200<sub>W</sub></b> MAXIMUM	Area Capacity <b>80<sub>SQM</sub></b>	Maximum Airflow <b>927<sub>M³/HR</sub></b>	Weight <b>50<sub>KG</sub></b> APPROX
DIMENSIONS      W 600mm x H 900mm x D 600mm				

UV-C

ESP

AIR PURIFIER & VIRUS IRRADIATION UNIT

VIU 1000

Designed to be installed in offices, gyms and other commercial premises to remove airborne particles and help to destroy viruses including Coronavirus.

KEY FEATURES

- Dual Technology
- Electrostatic Filtration – UVGI
- Quiet Operation
- Highly efficient
- Concealed above the ceiling

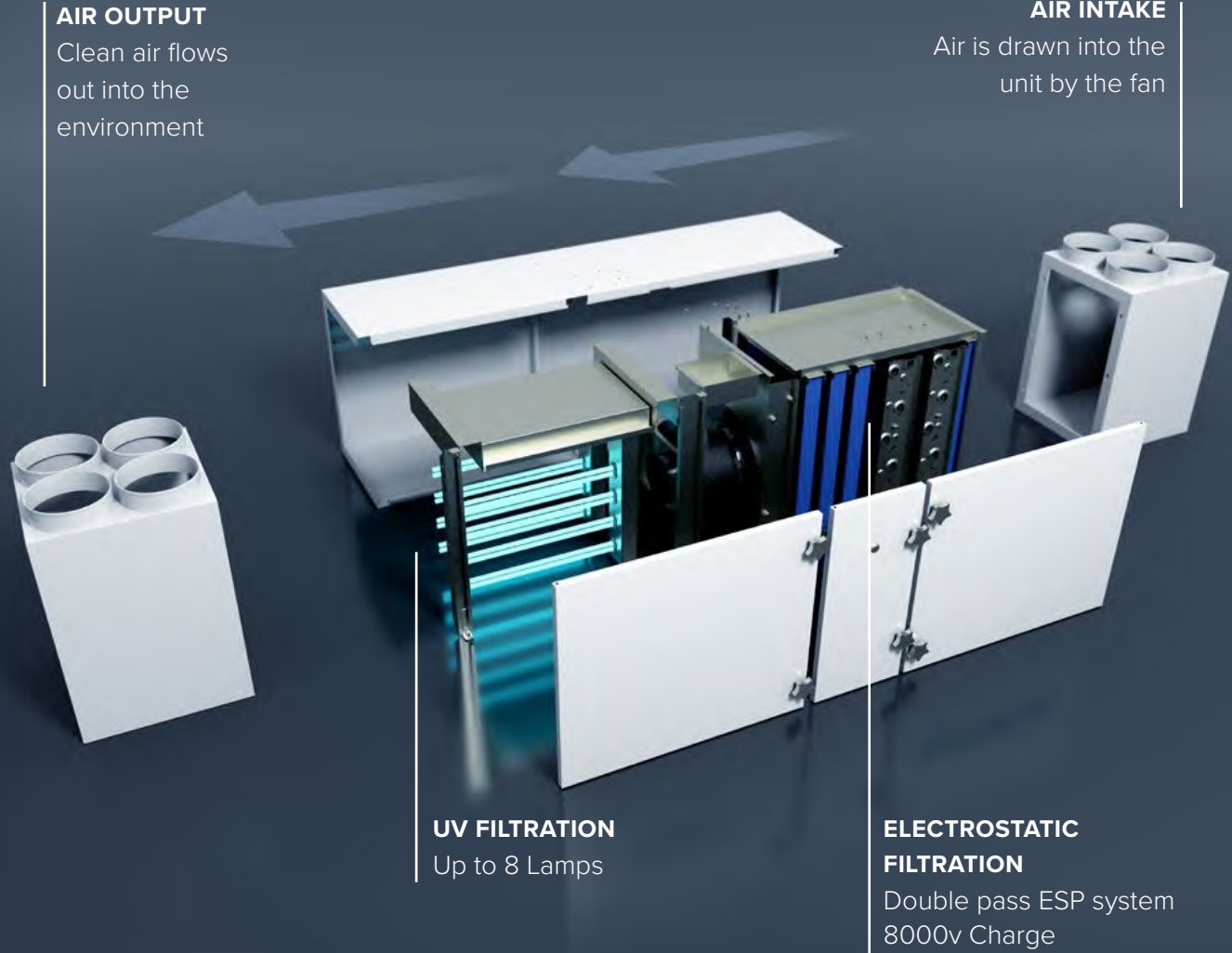
DUAL TECHNOLOGY

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UVGI TECHNOLOGY

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THE BENEFITS OF ELECTROSTATIC TECHNOLOGY

- Eliminates up to 99% of particles
- Filters particles down to sub-micron levels
- Modular design
- Energy efficient

TECHNICAL SPECIFICATION

Electrical Supply	Power Consumption	Area Capacity	Maximum Airflow	Weight
220-240v SINGLE PHASE	560w MAXIMUM	160sqm	1700m³/hr	70kg APPROX

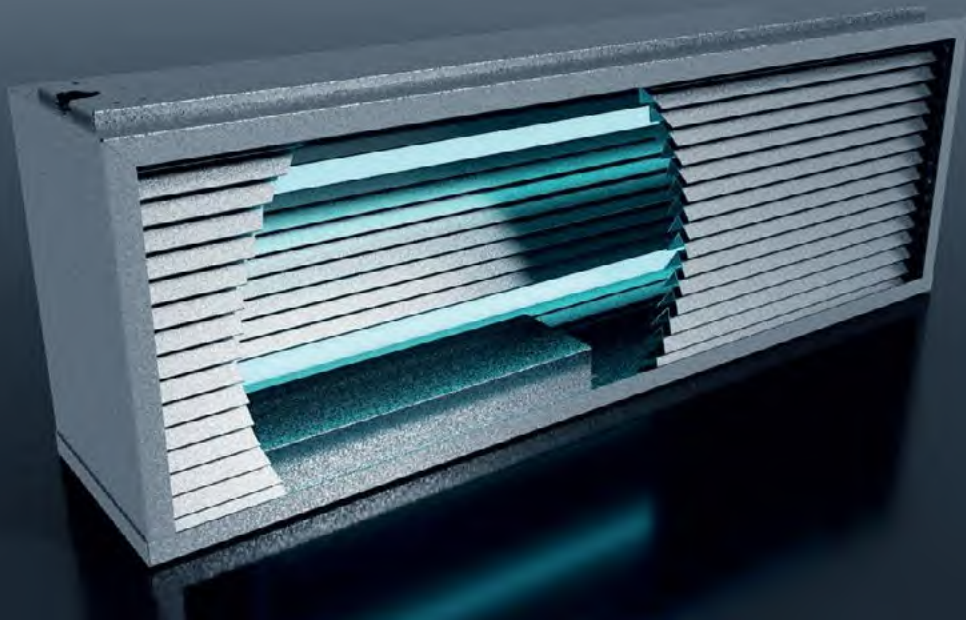
DIMENSIONS W 2420mm x H 560mm x D 388mm



UV-C

FAN COIL MOUNTED AIR PURIFIER

FCU 2L/4L



Our FCU UVGI range is designed to mount directly to a fan coil unit. It has a destructive effect on microorganisms such as viruses and bacteria, which can be inactivated by exposure to UVGI.

The Fan Coil UVGI 2L & 4L use UV-C technology to irradiate virus and bacteria. The unit can be located in line with a new or existing fan coil unit as part of the room air distribution. Each individual unit sits directly in the air stream and features either 2 or 4 high output UV-C lamps. UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering the molecular structure, leaving them unable to replicate or grow.

KEY FEATURES

- ➔ High efficiency technology
- ➔ Kill rate up to 99% effective
- ➔ Can be retro-fitted to an existing fan coil
- ➔ Easily integrated into new HVAC system design

THE BENEFITS OF UVGI TECHNOLOGY

-  Eliminates up to 99% of particles
-  Deactivates pathogens and viruses
-  Modular design
-  Energy efficient

TECHNICAL SPECIFICATION

	Fan Coil UVGI 2L	Fan Coil UVGI 4L
Supply	220-240 <sub>v</sub>	220-240 <sub>v</sub>
Power Consumption	130 <sub>w</sub>	260 <sub>w</sub>
Maximum Airflow	0.2 <sub>M³/SEC (UP TO)</sub>	0.4 <sub>M³/SEC (UP TO)</sub>
Dimensions (mm)	W 1150 H 218 D 260	W 1150 H 218 D 425
Weight	12 <sub>KG (APPROX)</sub>	20 <sub>KG (APPROX)</sub>

UV-C

AIR PURIFIER & VIRUS IRRADIATION UNIT

# UVGI CASSETTE

Our Ceiling Cassette is a versatile UV air purifier which fits seamlessly into the environment. Concealed above the ceiling, the Cassette quietly removes harmful virus and bacteria, delivering clean, purified air into the space.

## KEY FEATURES

- Compact and concealed
- Easily fitted, stand alone system
- Sized to replace a ceiling tile
- Variable speed
- Quiet recirculation operation
- Operated by remote control

The air purifier uses our tried and tested ultraviolet germicidal irradiation (UVGI) technology to destroy viruses and bacteria from the air with a 99.9% efficacy. The Ceiling Cassette is designed to replace one grid tile, fitting seamlessly with typical office aesthetics. The versatile design means the Cassette is easy to retrofit within existing offices or install as part of a new office, healthcare or commercial fit-out design.

## THE BENEFITS OF UVGI TECHNOLOGY

-  Removes up to 99.9% of pathogens
-  Deactivates pathogens and viruses
-  Simple to install
-  Energy efficient

## ULTRAVIOLET (UV)

Ultraviolet (UV) light is measured in wavelengths with the UV-C wavelength within the range of 100 nanometer (nm) to 280 nm emitting highly effective sterilization power. UV-C germicidal wavelength at around 260nm is the most effective to kill

harmful micro-organisms in the air and on surfaces. Germicidal lamps utilize powerful UV-C wavelength to destroy disease causing germs including viruses, bacteria, fungi, protozoa and algae, effectively sterilizing and purifying air, water and surfaces.

## TECHNICAL SPECIFICATION

Electrical Supply	Power Consumption	Area Capacity	Maximum Airflow	Weight
<b>220-240<sub>V</sub></b> SINGLE PHASE	<b>280<sub>W</sub></b> MAXIMUM	<b>35<sub>SQM</sub></b> 5 CHANGES PER HOUR	<b>450<sub>M³/HR</sub></b>	<b>24<sub>KG</sub></b> APPROX

DIMENSIONS W 595mm x H 595mm x D 300mm



CASE STUDIES

# CREATING SAFER ENVIRONMENTS

INDOOR AIR QUALITY

Infection Control

Hospitals

Offices

Gyms

Public Buildings



HEALTHCARE

NHS

MULTIPLE HOSPITALS  
SCOTLAND & ENGLAND



Providing nationwide air filtration infection control for our hospitals

During the height of the second wave of Coronavirus, Purified Air were tasked with supplying the VIU Mobile to multiple hospitals throughout Scotland. Following the air purifier's successful installation, numerous NHS hospitals from across England approached us to take units on a trial basis. The NHS tested our product's effectiveness during the trial period by comparing the air quality before and after the mobile air purifiers were supplied. Upon impressive test results, all hospitals increased their order by an average of 3 fold per hospital.

SERVICES PROVIDED

- Air Purification
- IAQ Analysis
- Well-being Enhancement
- Infection control

AIR PURIFICATION

Removing harmful particulates from the air

IAQ ANALYSIS

Helping to safeguard occupiers of the spaces

WELLBEING

Increasing productivity and awareness

INFECTION CONTROL

Helping to reduce the potential spread of Covid-19

CASE STUDIES





GOVERNMENT

MOD

NATIONWIDE



Ministry  
of Defence

TRAVEL

DUBAI AIRPORT

UNITED ARAB EMIRATES

مطارات دبي  
DUBAI AIRPORTS

Providing the Ministry of Defence with extra protection against COVID-19.

The Ministry of Defence (MoD) is a ministerial department that works for a secure UK and has global reach and influence. Towards the end of 2020, Purified Air was commissioned to supply the Ministry of Defence with our mobile virus irradiation units (VIU Mobile) to help reduce the spread of airborne COVID-19 the indoor environment.

Supplying mobile virus irradiation units throughout the UK. All Ministry of Defence bases nationwide, including training and reception rooms, now have our VIU Mobile air

purifiers in-situ removing harmful particulates from the air whilst irradiating airborne viruses, including COVID-19.

We have an ongoing relationship with the MoD to ensure these units' continued supply and servicing and help safeguard employees and visitors. Improving indoor air quality not only helps to increase productivity, it also helps reduce absences due to illness and combat further spread of the coronavirus.

Purified Air were approached by Dubai Airports to help improve the air quality throughout the whole building alongside.

This was achieved by the installation of electrostatic precipitators to remove larger particulate with UVGI inline solutions then incorporated after to irradiate airborne viruses and bacteria from the air. This inline ducted solution helped to increase the wellbeing of occupiers within the departure lounge alongside reducing sickness and infection of airborne means.

AIR PURIFICATION	IAQ ANALYSIS	WELLBEING	INFECTION CONTROL
Removing harmful particulates from the air	Helping to safeguard occupiers of the spaces	Increasing productivity and awareness	Helping to reduce the potential spread of Covid-19

AIR PURIFICATION	IAQ ANALYSIS	WELLBEING	INFECTION CONTROL
Removing harmful particulates from the air	Helping to safeguard occupiers of the spaces	Increasing productivity and awareness	Helping to reduce the potential spread of Covid-19



## COVERAGE

# UK SERVICE & MAINTENANCE

At Purified Air we pride ourselves on our excellent levels of customer service and maintenance.

Purified Air directly employs over 40 service engineers to offer nationwide servicing. We supply high quality, long-lasting commercial air filtration products. To ensure the life and effectiveness of each air filtration system, it's critical to conduct regular check-ups.

### ENGINEERS

# 40+

Servicing is comprehensive, competitive and completed by one of our 40 air filtration engineers.

### SERVICING

# 360°

With full 360-degree service capability, we also service other manufacturers' components competitively.

### VISITS

# 18,000

We carry out a minimum of 18,000 service visits a year in the UK

## SERVICE & MAINTENANCE

### WHAT WE DO

We pride ourselves on our excellent levels of customer service and maintenance. Our nationwide servicing and maintenance package includes electrostatic precipitator servicing, UV bulb replacement and cleaning, passive filtration exchanges, commissioning and servicing.

With every installation we offer a service and maintenance contract option, which can be structured to suit individual needs. Most of this work is preventative, but we also help with breakdowns.

### OUR SERVICING PACKAGE

Servicing and maintenance agreements are available nationally for all our clients. We take pride in the quality of our servicing packages, which ensure the products and systems run at optimum performance, extending the products life span whilst delivering the cleanest air to the environment they serve.

### NATIONWIDE COVERAGE

We have hubs in both Manchester and London and can offer nationwide coverage with our teams of directly employed service engineers.



### INTERNATIONAL SERVICE PARTNERS

No matter where you are in the world, our established service and maintenance partnerships will ensure that our products run at optimum performance.

## TYPES OF SERVICING

Our servicing and maintenance packages include:



Preventative maintenance



Reactive maintenance



UV servicing



Cleaning and changing of air filters



Replacing lamps and other parts

# THANK YOU

## Get in touch

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