



# FILTERMIST

CUSTOMISED AIR MOVEMENT AND POLLUTION  
CONTROL SYSTEMS FOR ALL TYPES OF  
INDUSTRIAL AIRBORNE CONTAMINANTS  
IN THE **FOOD PROCESSING** INDUSTRY





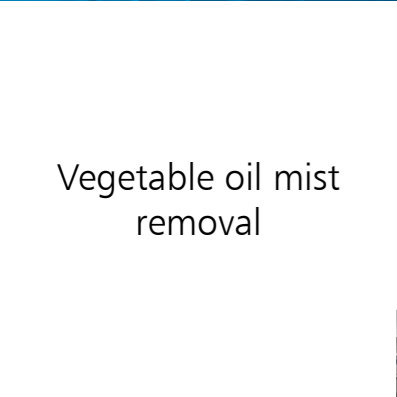
Dust extraction systems



Centralised vacuum & conveying systems



Industrial ventilation



Vegetable oil mist removal



Odour control



# INTRODUCING FILTERMIST

Filtermist is part of the Swedish Absolent Air Care Group - a global group of filtration technology manufacturers and service providers that offer a wide range of extraction and pollution control solutions for the food processing industry.

Filtermist was established in the UK in 1969 and its products are now exported to more than 60 countries worldwide. In the UK, the company has developed an enviable reputation for delivering a comprehensive turnkey service to some of the country's leading food manufacturers.



## DELIVERING CLEAN AIR AND IMPROVING WORKING ENVIRONMENTS

# WHY INVEST IN EFFECTIVE DUST CONTROL AND OIL MIST EXTRACTION EQUIPMENT?

Applications including silo filling, sack tipping, mixing and blending, milling and spraying can all result in airborne dust and mist particles. Effectively controlling airborne particulate matter has the following benefits:

- ✔ It helps to maintain high hygiene standards - reducing the potential for cross-contamination and subsequent wastage
- ✔ It protects employees from exposure to potentially harmful airborne substances
- ✔ It lowers the risk from slippery floors and prevents explosions
- ✔ It can reduce housekeeping and lower cleaning bills
- ✔ It protects the environment by minimising emissions to atmosphere
- ✔ It supports compliance with COSHH (Control of Substances Hazardous to Health) regulations

## COSHH REGULATIONS APPLY TO ALL SUBSTANCES THAT MAY BE HAZARDOUS TO HEALTH

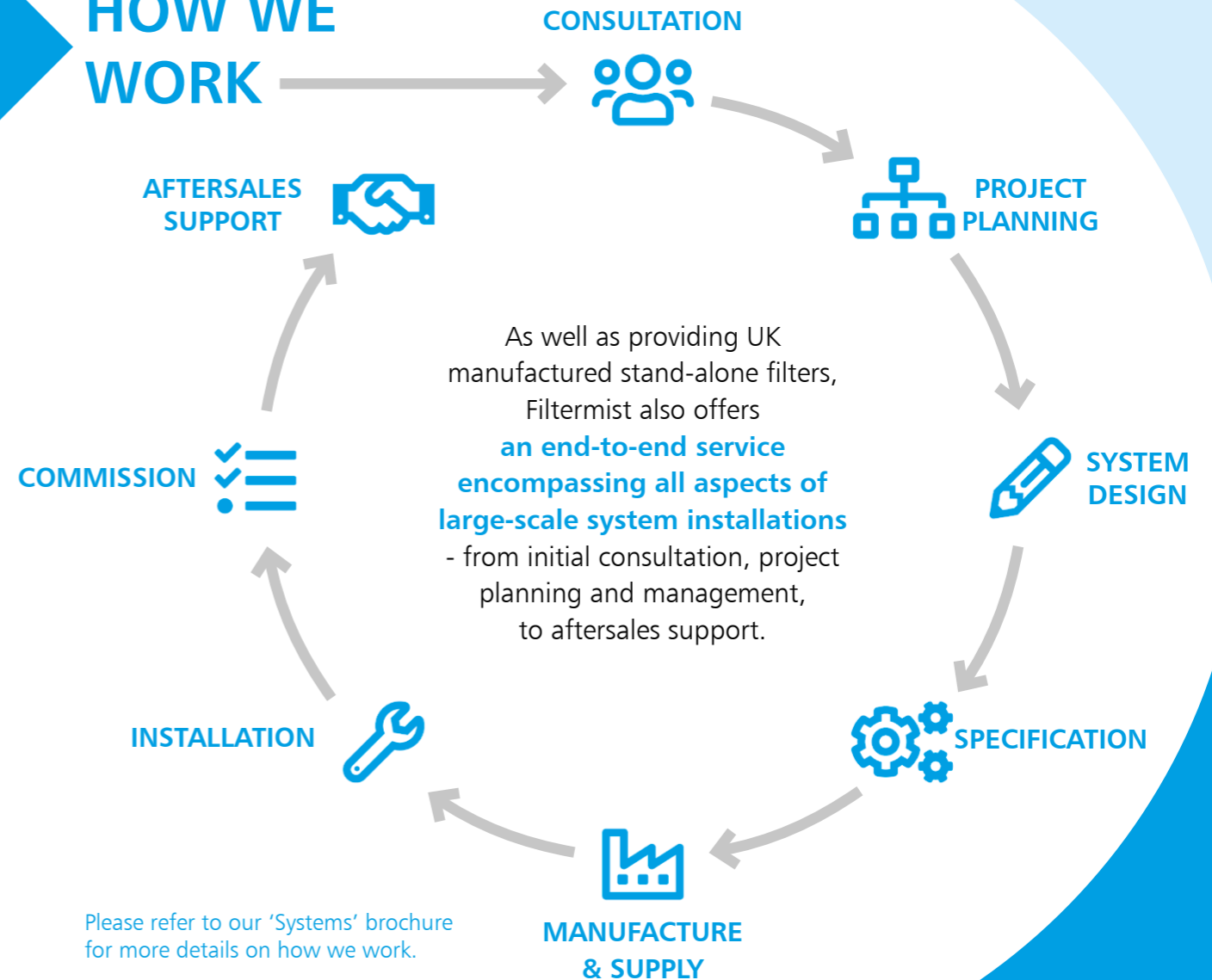
In the food processing industry this can include:

- ⚠ Airborne vegetable oil mist particles
  - ⚠ Cooking fume
  - ⚠ Dust
- ...all of which can cause respiratory and skin diseases.



**EXPOSURE TO FLOUR DUST IS THE SECOND HIGHEST CAUSE OF OCCUPATIONAL ASTHMA IN THE UK**

## HOW WE WORK



Please refer to our 'Systems' brochure for more details on how we work.

This can be downloaded from the Central Systems page on [www.filtermist.co.uk](http://www.filtermist.co.uk)

# OUR SERVICES

The Filtermist range of solutions for airborne contaminants in the food industry is comprehensive and can be customised to fit our customers' requirements.

## CLEANER, SAFER, MORE PRODUCTIVE FOOD PROCESSING ENVIRONMENTS



### DUST CONTROL



Dust can pose hazards at various stages of food production processes. Filtermist's dust control solutions capture dust emitted at source through custom designed hoods and ducted systems.

Dust filter selection is dependent on the application, dust characteristics and filtration efficiencies. Where appropriate, mechanical pre-separators (eg cyclones) and high efficiency after filters (HEPAs) are also installed. Potentially explosive dusts are handled in appropriately certified ATEX equipment including features such as anti-static filter bags, earth bonds, explosion vent panels and non-sparking components.

### VEGETABLE OIL MIST REMOVAL



Vegetable oil is used as a release agent on moulds and baking equipment, as well as a finishing agent and ingredient in many food products.

If effective extraction is not used, oil mist can gather on walls and equipment and can drip onto food products. If this happens, the product can be ruined and must be disposed of.

Filtermist has specialised in oil mist removal since 1969 and is trusted by some of the world's leading manufacturers to ensure the air in their workplaces is clean and safe to breathe.

### INDUSTRIAL VENTILATION



A well-ventilated workplace is an essential part of a healthy working environment.

Filtermist provides ventilation systems which improve working conditions and can also increase productivity by supplying a constant flow of fresh air to the working environment.

### ODOUR CONTROL



Filtermist's experienced team has installed odour control systems that use carbon adsorption for a wide range of customers.

Absolent Air Care Group brand Airmaid by Interzon manufactures advanced ozone generators which are used to reduce odours in a range of applications including commercial kitchens and food processing facilities.

### CENTRALISED VACUUM AND CONVEYING SYSTEMS



Filtermist provides centralised systems used in typical dust bulk handling applications including conveying flours, sugars, minor ingredients, flavourings, additives, granules and more.



Please refer to our 'Systems' brochure for more details on each service area.

# OUR PRODUCTS

Filtermist manufactures and supplies a comprehensive range of air and process filters which are used by food and drink producers of all sizes throughout the world.

Manufactured in the UK, Filtermist products are also fitted by many leading food processing machinery OEMs as part of the standard specifications in solids handling and baking equipment.



## LOCAL EXHAUST VENTILATION

All filters manufactured and supplied by Filtermist are classified as Local Exhaust Ventilation (LEV) and subject to ongoing maintenance and testing requirements as specified in the HSE's Control of Substances Hazardous to Health (COSHH) regulations and supporting guidelines.

## FILTERMIST OIL FILTERS

Filtermist FX and S Series centrifugal oil mist filters, with airflows that range from 180m<sup>3</sup>/hr – 2750m<sup>3</sup>/hr, are all available in Grade 304 stainless steel for use in corrosive environments including food processing plants.



The compact nature of Filtermist units means there are multiple mounting options available, including direct mount, machine or wall brackets, and floor stands - freeing up valuable floor-space and allowing for easy re-configuration if required.



## DUSTCHECK

Manufactured by Filtermist, the Dustcheck range includes venting and extraction filters used in a wide variety of applications including sack tipping, bulk silo filling, sieving, ingredient dispensing, and mixing.

Dustcheck filters have been developed to meet the European Hygienic Engineering & Design Group (EHEDG) hygiene requirements of the food industry and Good Manufacturing Practice (GMP) in the food industry.

Standards of construction vary from mild steel with standard or special paint finishes, to stainless steel (grade to suit ie. 304 or 316) with finishes from standard sheet with welds as laid, to special crack and crevice free polished finishes.

All Dustcheck filters come with ATEX rated options meaning potentially explosive and volatile products can be handled safely and they can also be built to comply with Dangerous Substances and Explosive Atmospheres Regulations (DSEAR) where applicable. Find out more at [www.dustcheck.com](http://www.dustcheck.com).

## ABSOLENT OIL SMOKE FILTERS

Filtermist's sister company Absolent AB manufactures a range of oil smoke filters which are widely used in food processing applications including frying, grilling and smoking.

Absolent units can be used as stand-alone systems connected to one machine, or they can be connected to multiple machines via a centralised system. Find out more at [www.absolent.com](http://www.absolent.com).

## KERSTAR

The Kerstar KEVA range of ATEX rated industrial vacuum cleaners, also manufactured by Filtermist, is trusted by many leading UK food manufacturers to keep their facilities clean and free from potentially explosive dusts such as flour.

Kerstar vacuums have been manufactured in the UK for more than 60 years and are renowned for their robust build-quality. Please see [www.kerstar.com](http://www.kerstar.com) for more details.



## AFTERSALES SERVICES

All Local Exhaust Ventilation (LEV) systems perform best with regular preventative maintenance, whilst routine testing is a legal requirement under COSHH.

Filtermist's team of P601/02 qualified engineers provide routine and reactive maintenance, air monitoring and sampling, and COSHH compliant LEV Testing throughout the UK.



Maintenance visits include internal and external inspections of all LEV equipment, checking for cracks, defects, and poor filtration. Filtermist's service and LEV engineers can also review the process and by referring to the original commissioning reports can ensure the system is still operating as well as it was on the day it was installed.

If the system is not operating at its best, Filtermist engineers can identify faults and recommend and implement changes to ensure equipment performs as intended.

Equipment servicing includes visual and performance checks, thorough cleaning and the replacement of consumable parts if required.

HSG258 guidelines state that all LEV Systems must be tested by a competent person at least once every 14 months – sometimes more frequently depending on the nature of the application. Filtermist's dedicated LEV Engineers carry out comprehensive tests and supply reports in a digital format, making them easy to file and retrieve if necessary.

## SERVICING & MAINTENANCE

All industrial air filtration and extraction equipment performs best with regular preventative maintenance.

Benefits include increased efficiency, less production downtime and reduced costs.

Please visit the Servicing page on [www.filtermist.co.uk](http://www.filtermist.co.uk) for more details.



## SPARES AND CONSUMABLES

Filtermist supplies original spares for all of its manufactured brands, as well as a wide range of spares for filters made by other manufacturers.

Our Aftermarket division also provides a variety of bag filters, replacement cartridges, air filters and process filter media.



**PROTECTING  
PEOPLE  
CLEANER,  
SAFER, MORE  
PRODUCTIVE  
WORKING  
ENVIRONMENTS**

# WHY FILTERMIST?

Choosing Filtermist as your clean air partner means you'll benefit from:

- ✔ **Exceptional Customer Service** delivered by our skilled team
- ✔ **50+ Years' Experience** of working with customers to ensure we deliver the most effective solution for your specific requirements
- ✔ **National & International Coverage** enabling us to support you wherever and whenever you need us
- ✔ **Quality Products** which are trusted by world-leading manufacturers in more than 60 countries
- ✔ **Turnkey Service** that includes initial concepts, through to installation and beyond - making it easy for you to protect your employees and your business



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