



**Wir garantieren für saubere Luft  
und reines Wasser/**We guarantee  
clean air and purified water

# Clean air and clean water



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## The list of products for dealers is valid from July 2022 9th edition

The General Terms and Conditions of apply ([www.oxytec-ag.com](http://www.oxytec-ag.com)). The products are intended for sales by dealers who provide client support, service and maintenance during the warranty period. oxytec will replace defective products in accordance with the General Terms and Conditions. oxytec does not bear the costs associated with the time spent on work, travel time, etc.

The company reserves the right to introduce technical changes related to product improvement. We are not responsible for any typos or errors in the data provided.

Reprinting and copying of texts and images is permitted only in connection with the organization of marketing of our products and only subject to our consent.

Returns are made to our European warehouse: Spedition Honisch GmbH & Co. KG, c/o oxytec Europalager, Raiffeisenstr. 21, 59757 Arnsberg with prior notice, and a return number. Products made to order are not subject to return. Only free house deliveries are accepted.

Company

# Clean air and clean water – oxytec philosophy

Everywhere in places where people are and work, food is produced, processed or cooked and where waste disposal is an inherent process, air pollution with organic components which often contain harmful microorganisms and have an unpleasant odour, occurs.

oxytec is one of the leaders in the field of air purification, disinfection and water treatment; It specializes in the purification of air, water and surfaces using photolytic oxidation (UV/Ozone), non-thermal plasma (NT plasma) and scrubbers. For over 20 years, oxytec experts have equipped hundreds of industrial kitchens, galleys and industrial companies with devices operating using the principle of ozone producing UV-technology, as well as plasma devices that not only purify the air, but also provide efficient fire protection.

Among our clients there are representatives of the food, chemical, textile, and processing industries and the waste processing sector. When designing our plants, oxytec carried out numerous calculations of the amount of purified and unpurified gas for exhaust air volumes from 500 to more than 100,000 m<sup>3</sup>/h.

oxytec takes into account the individual requirements of each client. Continuous product enhancement is being carried out; new areas of application are being opened; and solutions are being sought for existing problems. oxytec supports architects and designers, taking into account their specific requirements and legal regulations (environmental protection from harmful influences, sanitary and hygiene requirements, preservation order, etc.).

## Technology

UV/Ozone and NT-plasma cleaning Technologies are successfully applied to solve more and more new tasks. Scrubbers and catalysts (KAT) – partly combined with UV/Ozone devices – complete the range of devices for purification of different types of exhaust air.

## Dimensioning

oxytec develop systems for cleaning various types of exhaust air, removing odours and carbon compounds (Total C), formaldehydes, H<sub>2</sub>S, VOCs and greases. oxytec provides guarantees for the elimination of odours based on official olfactometric measurements, which allows placing catering establishments and industrial facilities even under the most stringent requirements of the authorities.

## Planning/Dimensioning

The calculation of each oxytec installation parameters is carried out on the basis of many parameters (air volume, air load, contamination by microorganisms, air exhaust rate, temperature, etc.) and specific requirements.

## Consulting

Along with the calculation of parameters, oxytec provides technical advice, supply of test facilities, organizes visits to the commissioned facilities, and offers presentations to authorities or clients.

## Automation

oxytec programs various control and automation systems for a wide range of applications.

## Hygiene management system

oxytec supports companies in the creation of air hygiene management systems, in particular in the food industry and in the communal catering, for example, in accordance with the HACCP food safety control concept.

## Servicing

Along with installation services, oxytec offers regular inspections and maintenance.

Company

# Saving energy and reducing CO<sub>2</sub> level to protect the environment in the industrial sector

oxytec designs and manufactures plants for the purification of exhaust air with an organic component in the areas of the food industry (using deep fryers, frying, cooking and smoking), waste management, the textile industry, the solvent containing industry and metal processing industry (foandries, etc.). The most important factor in protecting the environment in the industrial sector is efficiency. Other factors are:

- Sustainable development
- Cost saving
- Energy efficiency
- Environmental protection

Along with industry application, our equipment is used in the fields of catering and shipping (cruise liners and ferries).

The result of its use is increasing fire protection due to reducing the grease content in the bypass duct, as well as removing

- smoke
- odours
- VOCs and Total Carbon atoms
- microorganisms.

### Gexpert conclusions confirming efficiency

Numerous expert opinions confirm the neutralization of odours and a decrease in the Total C in accordance with the technical specifications for air and official regulations.

### Product areas

- Kitchen exhaust air
- Exhaust air building service
- Indoor air purification
- Industrial exhaust air
- Handicraft air purification
- Galley exhaust air



### Scope of application

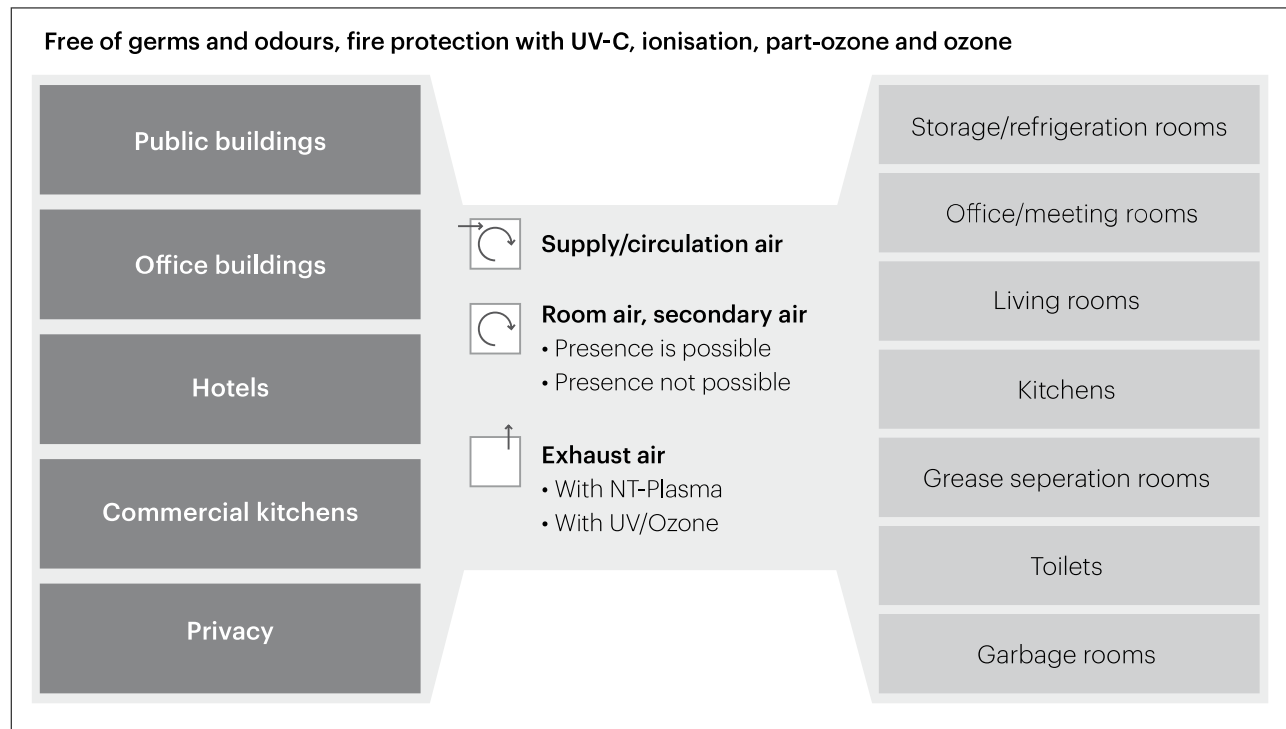
- Commercial kitchens, bistro, hotels, canteens, snack bars
- Liquid waste treatment plants, garbage rooms, water closets, grease separator
- Hospitals, medical rooms, living rooms, food
- Food, disposal, textile industry, pharmaceutical industry
- Butchers, bakeries
- Cruise liners, ferries

Company

# All areas of facility management and building services: decontamination, disinfection, odour elimination, and fire protection systems

Specifically for the building technology, oxytec offers highly efficient, economical and environmentally friendly solutions for disinfecting and neutralizing odours of supply, circulating and exhaust air. oxytec's UV/Ozone air purification systems ensure compliance with hygiene and environmental laws.

All those systems use UV-C, UV/Ozone, or NT plasmaTechnologys. This includes, for example, air, water and surface decontamination; air purifiers in the private and commercial sector, and exhaust air systems in the field of catering.



Company

# Products for daily use – feel the difference



## Clean air is an important aspect of modern life

Europeans spend an average of 90% of their time indoors. According to the Federal Environmental Protection Ministry, a person inhales, depending on age and degree of activity, 10 to 20 m<sup>3</sup> of air per day, which corresponds to an air mass of 12 to 24 kg. This is more than a person consumes in the process of nutrition (food and drinks). Therefore, the more important is the indoor air quality for the well-being of people.

## Room air that can cause healthy hazardous side effects

Indoor air often contains such harmful substances as solvents (paints, varnishes, polymeric coatings, cleaning products), formaldehydes (carpets, disinfectants, particle boards), plasticizers (floor coverings, seals, bath curtains), allergens (eggs and wastes of withes, pollen), microorganisms (bacteria, mould spores and viruses), household and fine dust. Sources of ultrafine dust in offices are, for example, laser printers and copiers.

Fine dust, ozone and volatile hydrocarbons (VOCs) harm our health. Viruses, bacteria and allergens burden our well-being. To obtain a room air that is perfect from the point of view of hygiene, a ventilation device is needed that would disinfect the air and clean it of microorganisms and pollutants with energy-justified air exchange rate. The ventilation unit guarantees a healthy and pleasant indoor climate without extraneous odours, soands and drafts.

## Sterile air for employees, clients and patients in a doctor's office and in an office

oxytec devices purify the air from viruses, bacteria, spores and allergens in waiting and treatment rooms. They reduce air pollution and the risk of infection in personnel areas. They neutralize unwanted odours after eating.

## Deep breathing and restful sleep at home

1. Air purifiers reliably remove pollen, spores, common and fine dust which can cause allergies and asthma.
2. Fine dust is effectively filtered out of air.
3. In living rooms, air purifiers neutralize polluting exhalations from furniture, home textiles and varnishes (VOCs). In the seasons of colds, they destroy viruses and bacteria in the air, thereby ensuring a healthy sleep.

Company

# Air and water use at all process steps of food production: Systems for decontamination and disinfection

In food production, meat and fish processing is of particular concern. At all stages – from the receipt and processing of raw materials to the production of finished products – the removal of organic contaminants, microorganisms and odours is a prerequisite for high quality and compliance with legal requirements.

In areas of mass stockkeeping where infections pose a particular danger, they cannot do without disinfection of the supply air and environmentally friendly decontamination of surfaces. Exhaust air purification is also required in most cases in order to avoid the spread of microorganisms and undesirable odours in the neighborhood.

For all products, not only those that come to a final consumer in raw form, in order to ensure their longest shelf life it is important to remove microorganisms on their packaging, and also in the supply and circulating air.

Ultraviolet devices UV-C are used to reduce the number of microorganisms in the air in places where animals are kept and in production rooms when people and animals are there. Disinfection of air and surfaces can reduce the risk of

infections for animals and extend the shelf life of products. UV/Ozone technology can be used at the cleaning stages and during the period when people and animals are not in the room. Disinfection of air and surfaces is carried out, as a result of which mould and other microorganisms disappear for a long time.

Ultraviolet devices UV-C or ultrafiltration units can be used for treatment of process water. Ozonation of water for washing vegetables, fruits and other fresh products gives very good results.



## Safety warranty

**Efficiency of oxytec's UV/Ozone instruments and installations are regularly monitored through research, testing and checks by independent institutes.**

### Research in the field of air purification and surface cleaning with ozone

An environmentally friendly alternative to chlorine

The effectiveness of ozone as a disinfectant was investigated at various food industry companies. The result of the study showed that ozonation is the most effective of the cleaning methods used, especially in hard-to-reach places. For example, the number of Listeria bacteria is reduced by 99.9%.

### UV-C Processing Efficiency Test

Extension of shelf life

Studies have shown that UV-C treatment with UV rays leads to a significant reduction in mould damage. For example, during the test, deep-frozen pastries retained its mould resistance for more than two weeks. Studies have unequivocally proven the bactericidal effect of UV-C treatment, which can also be successfully used in the meat industry.

# oxytec solutions – effektiv and vielseitig

oxytec offers safe and economical solutions for all areas of the food industry to control microorganisms, organic loads, and odours. At the same time, various plants are used that are designed taking into account the requirements of a certain area: these are UV/Ozone systems for exhaust air, a scrubber and KAT combined with each other, if necessary, to achieve maximum efficiency in relation to acquisition and production costs.

UV/Ozone CFA type air purifiers can be used for purification of high-grease and persistent odour hot air formed after deep fryers, frying lines and smoking systems. Air purification from the organic components is carried out using photolytic oxidation. oxytec guarantees odour neutralization by 95% and a decrease in Total C below 50 mg/m<sup>3</sup> according to the technical specifications for air. CEA plants have been successfully used in the waste management to clean the exhaust air of clarifiers and fermentation pools, rendering, sites for biological waste disposal, and biogas plants.

## UV/Ozone technology today – level of development

15 years ago, when oxytec company was founded, ultraviolet treatment technology to reduce grease and neutralize odours was still unfamiliar, and fires often occurred due to grease-contaminated extractor canopies. oxytec managed to introduce UV/Ozone technology which corresponds to the current level of technological development. As a result of photolytic oxidation, grease chains break down, grease does not accumulate in the extractor canopy, and microorganisms do not generate. Odours are neutralized, and requirements for fire protection are reliably respected.

## Photolytic oxidation as a principle of operation

Ozone has the ability to react with organic osmogens (which produce odours) and oxidize them. At the same time, microorganisms, bacteria, and fungi spores that are in the air and on surfaces are deactivated naturally, as under the sun. The result of oxidation is clean, fresh air saturated with oxygen.

Since ozone is a gas, it penetrates the most inaccessible places, providing complete disinfection of air and surfaces.

## Plasma technology for higher requirements to neutralization of odours

Non-thermal plasma technology (NT-plasma) is used for increased requirements to neutralize odours. It has the great advantage not to depend on the location and ventilation system used. A compact device can be installed in the ventilation duct or as an addition to the extractor canopy. The result is excellent air quality in frontcooking stations or in restaurants with an open cooking area. The 4-stage system which is based on non-thermal plasma technology and an activated carbon filter, guarantees highly efficient exhaust air purification. Electrostat as the third pre-filter significantly improves the prepurification quality and absorbs grease. Air is cleaned of bacteria, viruses, yeast and mould spores, and disinfected air without extraneous odours and grease is returned to the atmosphere. Along with well-proven devices for commercial kitchens with a capacity of 1,500 to 10,000 m<sup>3</sup>/h (CAP 1500 – 10000) oxytec offers systems for small and mobile kitchens (CAP 600 – 1200).

Especially effective for the catering industry are modern exhaust air purification systems that combine several Technologies. So, for example, oxytec offers automated purifiers with UV/Ozone technology for smoke exhaust air highly contaminated with grease, or for charcoal grills, which remove formaldehydes, odours and reduce the Total Carbon product odours. UV-C ultraviolet purifying devices to maintain low levels of microorganisms in the supply and circulating air are also available.

Our Technologies are based on scientific knowledge and are regularly evaluated by specialized institutes.



# Efficient techniques

## Air cleaning indoor air with UV-C technology (without ozone)

When air is treated with a UV-C ultraviolet device (without ozonation), while people or animals stay indoors – only the 253.7 nm UV-C radiation has a destructive effect on microorganisms, including bacteria, mould and yeast.

- High shelf life, better appearance and quality of products
- Lower chance of infection during production
- Prevention of microorganism resistance
- Prevention of cross-infections
- Ability to refuse chemicals

## Surface disinfection with UV/Ozone technology

UV/Ozone technology makes it possible to effectively fight bacteria, viruses, yeast and mould fungi, as well as their spores on all surfaces through air ozonation.

- Higher shelf life, better appearance and quality of products
- Handling the most inaccessible places
- It is possible to enter the rooms soon after disinfection
- Prevention of microorganism resistance
- Ability to refuse chemicals

## UV water disinfection

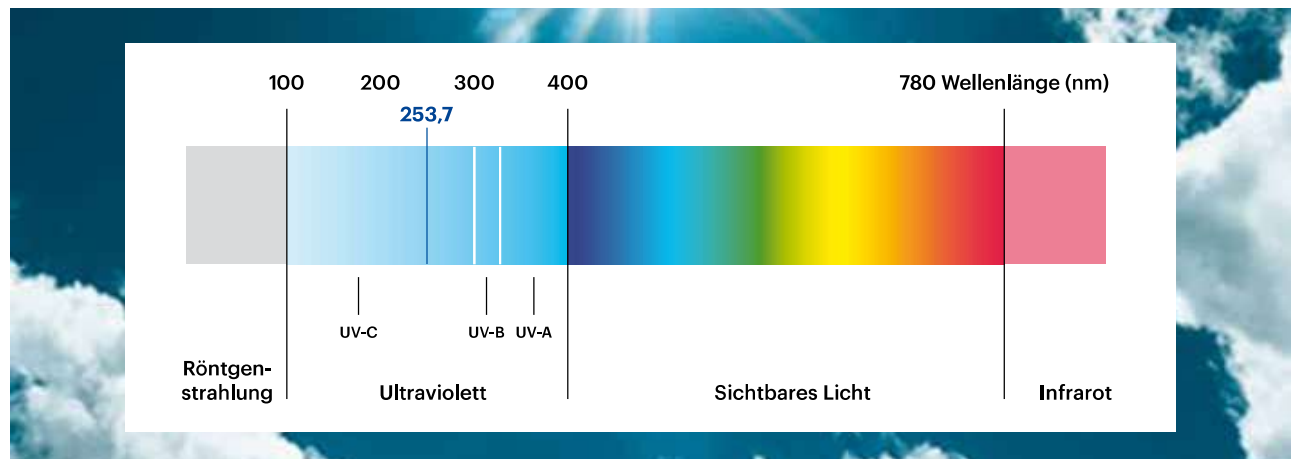
Disinfection of process and treatment water is carried out using UV radiation. The devices comply with the requirements for the potable water treatment and the appropriate certificates are given for them.

- Sterility of 99,9999%
- Avoids the use of chemicals
- Preservation of natural taste and smell
- Absence of health hazardous by-products

## Ultrafiltration

Process water treatment is carried out by the ultrafiltration method with a ceramic membrane filter. Particles and long chain molecules are separated from the water.

- Reducing the content of germs
- Ability to circulate process water at a higher temperature
- Save water and energy due to water circulation



### UV/Ozone exhaust air purification method

When purifying the exhaust air using UV/Ozone technology, the exhaust air passes through special tubes emitting UV-light (photozone lamps). Under their influence, usual oxygen (O<sub>2</sub>) is transformed into reactive oxygen (O<sub>3</sub>) which is joined with the particles present in the air and responsible for the odour: the oxidation of organic and greasecontaining substances occurs. Biodegradable residues are removed along with the exhaust air stream.

- Reduced total C-content and odours acc. to legal regulations for air
- Work in air with humidity up to 100%
- Withstands load fluctuations
- Functions in on and off conditions and without preheating

### Scrubber

oxytec air purifiers effectively remove water-soluble particles and particles that initiate odours from the exhaust air. Combinations with a scrubber are successfully used to clean the exhaust air from laboratories, stalls and smokehouses. It also removes soluble components such as ammonia, lowers the temperature of the exhaust air before photolytic oxidation, and moisturizes the exhaust air.

- Separation of up to 95% of soot/ammonia particles
- Odour neutralization approx. up to 30%
- Reduced exhaust air temperature by approx. 50%
- Preliminary filtering of coarse particles and nonoxidizable substances
- Air saturation with moisture for the connected downstream UV unit

### Plasma

Cleanair Plasma technology uses the physical principle of non-thermal plasma (NT-plasma) and works without the use of chemistry. A 4-stage compact ventilation device is used for exhaust air purification with a productivity of 1,500 – 10,000 m<sup>3</sup>/h. An innovative combination of several filtration stages allows in a safe way to eliminate grease and to neutralize odours.

- No unpleasant odours
- The ability to connect a heat recovery unit without additional efforts
- Possibility of air venting to areas where people are present
- The exhaust air treatment unit functions as a ventilation unit

### Preliminary treatment by the ozone injection method

The ozone injection method is the injection of ozone into wastewater. The result is the oxidation of organic substances that are deposited on the surface in the form of sludge and can be removed with rakes.

- 90% reduction in COD and BOD5 indicators
- 99% reduction in grease content
- Reducing wastewater contamination
- Decomposition of water-soluble dyes and organic toxins
- Lower production costs compared to chemical preliminary sedimentation plants

#### Scientific basis

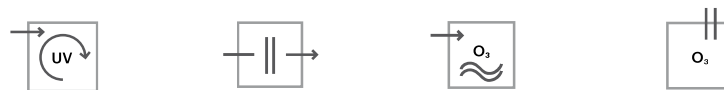
In 1877, English scientists have found that microorganisms cannot multiply under the influence of sunlight. Further studies showed that this effect is provided by sunlight in the spectrum from 100 to 280 nm, currently known as ultraviolet radiation (UV-C).

Based on this discovery, it became possible to purify air and surfaces from microorganisms absolutely without the use of chemicals and high temperatures, including places inaccessible for disinfection by conventional methods.

Technology



Technology	UV-C	UV-C/partial ozone	Plasma	UV/Ozone	UV/Ozone	Scrubber
<b>Air</b>						
<b>Process medium</b>	<ul style="list-style-type: none"> <li>• Supply/Circulating air</li> <li>• Evaporator surface</li> <li>• Air conditioning systems</li> <li>• Packaging lines</li> <li>• Knives</li> </ul>	<ul style="list-style-type: none"> <li>• Circulating air</li> <li>• Surfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Circulating air</li> <li>• Exhaust air</li> </ul>	<ul style="list-style-type: none"> <li>• Circulating air</li> <li>• Surfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Exhaust air</li> </ul>	<ul style="list-style-type: none"> <li>• Exhaust air</li> </ul>
<b>Process</b>	Air and surface disinfection	Air and surface disinfection	Purification of indoor and exhaust air	Surface disinfection	Exhaust air purification	Particle separation and temperature reduction
<b>Presence of people, animals, products during processing</b>	Yes	Yes	Yes	No	Not applicable	Not applicable
<b>Fields of application Industry</b>	<ul style="list-style-type: none"> <li>• Storage/refrigeration rooms</li> <li>• Ripening rooms</li> <li>• Production rooms</li> <li>• Packaging rooms</li> </ul>	<ul style="list-style-type: none"> <li>• Airlocks</li> <li>• Changing rooms</li> <li>• Garbage rooms</li> <li>• Switchboards in treatment plants</li> </ul>	<ul style="list-style-type: none"> <li>• Kitchens</li> <li>• Stalls</li> </ul>	<ul style="list-style-type: none"> <li>• Stalls</li> <li>• Storage/refrigeration rooms</li> <li>• Production rooms</li> </ul>	<ul style="list-style-type: none"> <li>• Fryers</li> <li>• Frying lines</li> <li>• Cooking lines</li> <li>• Smoke plants</li> <li>• Treatment plants</li> <li>• Biogas</li> </ul>	<ul style="list-style-type: none"> <li>• Ammonia</li> <li>• Charcoal</li> <li>• Exhaust air from smoke plants</li> </ul>
<b>Other fields of application</b>	<ul style="list-style-type: none"> <li>• Air conditioning systems</li> <li>• Hospitals</li> <li>• Cleanrooms</li> </ul>	<ul style="list-style-type: none"> <li>• Water closets</li> <li>• Rooms of allergy sufferers</li> <li>• Meeting rooms</li> </ul>	<ul style="list-style-type: none"> <li>• Rooms of allergy sufferers</li> </ul>	<ul style="list-style-type: none"> <li>• Consequences of fires/water</li> <li>• Mould treatment</li> <li>• Smells of animals</li> </ul>	<ul style="list-style-type: none"> <li>• Kitchen exhaust air</li> <li>• Grease separators</li> <li>• Garbage rooms</li> </ul>	<ul style="list-style-type: none"> <li>• Reducing H<sub>2</sub>S, DMS</li> <li>• Hydrofluoric acid</li> <li>• Temperature reduction</li> </ul>



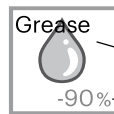
Technology	UV	Ultrafiltration	UV/Ozone	Ozonox
<b>Water</b>				
<b>Process medium</b>	<ul style="list-style-type: none"> <li>• Processwater</li> </ul>	<ul style="list-style-type: none"> <li>• Process water</li> <li>• Wastewater</li> </ul>	<ul style="list-style-type: none"> <li>• Washing water</li> <li>• Surfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Wastewater</li> </ul>
<b>Process</b>	<ul style="list-style-type: none"> <li>• Water sterilization</li> </ul>	<ul style="list-style-type: none"> <li>• Water purification</li> </ul>	<ul style="list-style-type: none"> <li>• Water enrichment with ozone</li> </ul>	<ul style="list-style-type: none"> <li>• Pretreatment with ozonation</li> </ul>
<b>Fields of application Food</b>	<ul style="list-style-type: none"> <li>• Process water</li> </ul>	<ul style="list-style-type: none"> <li>• Blood water</li> <li>• Process water</li> <li>• Blanching water</li> <li>• Wastewater</li> </ul>	<ul style="list-style-type: none"> <li>• Washing of vegetables and fruits</li> </ul>	<ul style="list-style-type: none"> <li>• esp. Emulsions</li> <li>• Meat processing</li> </ul>
<b>Other fields of application</b>	<ul style="list-style-type: none"> <li>• Drinking water</li> </ul>	<ul style="list-style-type: none"> <li>• Pharmaceuticals</li> </ul>	<ul style="list-style-type: none"> <li>• Plant breeding</li> </ul>	

# ... How effective should air treatment be?

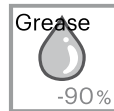


The following are icons that symbolize reduced levels of grease, odours, smoke, or VOC. The numbers on the icons indicate the percentage of removal of the corresponding substance from air and from surfaces.

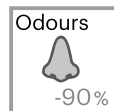
All products are equipped with a symbol that indicates the presence of a fan.



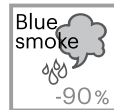
**What oxytec functional icons mean:**  
 Which kind of pollution is defeated?  
 How high is the reduction of pollutants?



Reduction of grease



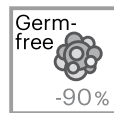
Reduction of odours



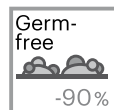
Reduction of blue smoke



VOC - Volatile organic compounds



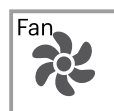
Disinfection of air



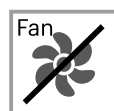
Disinfection of surfaces



Disinfection of water



Equipment with fan/without fan



# Where can we use oxytec – applications



**Restaurants/Canteens/  
Bistros/Snack bars**



**Air conditioning systems**  
Exhaust air purification



**Hotel business**



**Truck/Forwarding agent/  
Containers**



**Garbage rooms/Water closets/Grease separator rooms in commercial kitchens**



**Retail/Supermarkets**



**Private sector (Living room/  
Energy efficient home)**



**Butchers**



**Caravanning**



**Bakeries**



**Foodtrucks,  
Mobile snack bars**



**Food Industry –  
Decontamination/Disinfection**



**Cruise liners, river cruise ships, vessels, ferries, submarines, galleys**



**Food Industry –  
Exhaust air purification**



**Hospital  
“MRSA-reduction”**



**Pharmacological and chemical industry (solvents), textile industry**



**Doctor/Dental offices**



**Disposal facilities/Sewage treatment plants/Sludge dewatering and drying plants**



**Air conditioning systems –  
Purification of supply and circulating air**



**Steel/Automotive industry/  
Foandries**

Applications – Solutions from oxytec

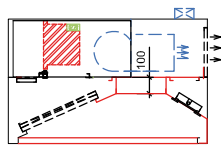
# Restaurants/Canteens/Bistros/Snack bars

free from grease, blue smoke and odour

**CAP 1500 – 10000**  
Exhaust air purification



**Plasma hood**  
Frontcooking, food counter



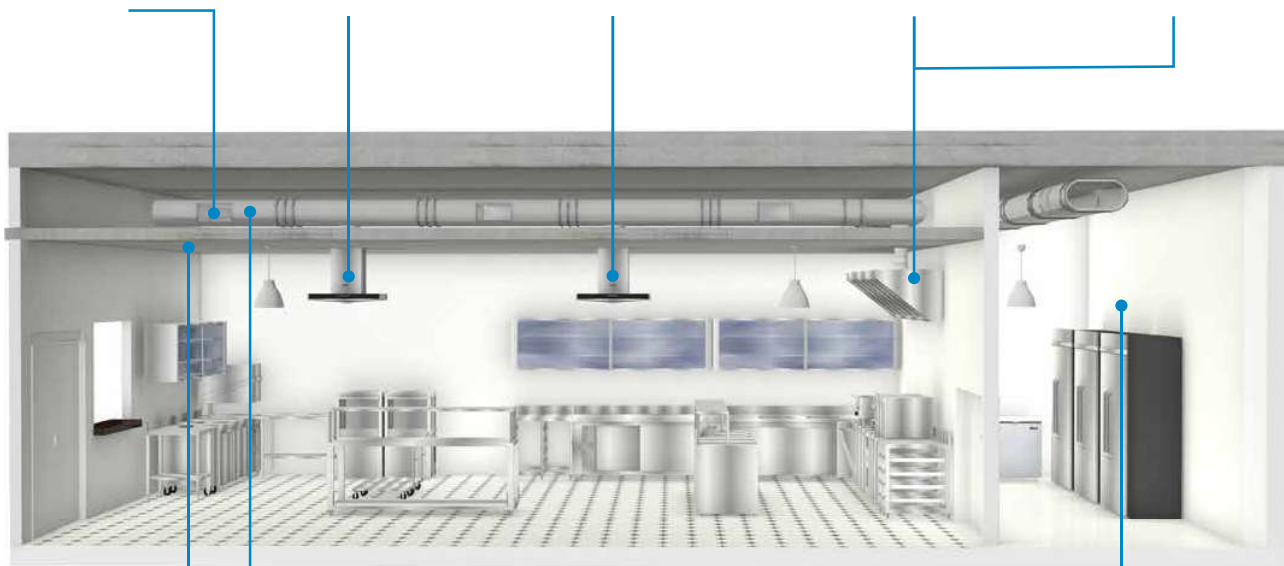
**Plasma mini**  
Exhaust air purification



**CKA**  
Extractor canopy, Exhaust air purification airreinigung



**UV hood with CKA**  
Removing grease and odours from exhaust air



**eco Module**  
Exhaust air purification central, removing grease, blue smoke and odours from exhaust air



**eco Unit**  
Removing grease and blue smoke from exhaust air



**CGA**  
For charcoal/ lavastone grills



**Freshair**  
for refrigerating rooms, garbage rooms without germs and odours

# Hotellerie – free from germs and odour

**Cleanair Sky/Cleanair/Cleanair Plasma W/ST**

Lobby, Smoking lounge/meeting rooms/  
Rooms of persons with an allergy



**PTW 15**

Fight against legionella,  
washrooms



**Saniair**

Smoking rooms,  
rehabilitation



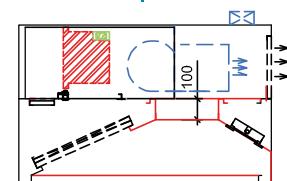
**Multiair**

Ski cellar, refrigerating rooms,  
garbage rooms



**Freshair**

Meeting rooms/Rooms of persons  
with an allergy, water closets,  
ski cellar, refrigerating rooms



**Plasma hood**

Breakfast rooms, frontcooking,  
food counter

Applications – Solutions from oxytec

# Garbage rooms/Water closets/Grease separator rooms in commercial kitchens – free from germs and odour

**CAP 600 SS/1100 SS**  
Exhaust air purification  
in garbage rooms



**Cleanair Plasma W/ST**  
Circulating air purification



**CEA mini and KAT**  
Wet waste and grease separators,  
exhaust air purification



**Freshair**  
Indoor odour  
neutralization



**Multiair**  
Indoor odour  
neutralization



# Private sector (Living rooms/Energy efficient home)– free from mould, germs and allergens



Applications – Solutions from oxytec

# Caravanning – free from germs and odour

## UV-diving ewithter

Water tanks,  
water free of germs



## Freshair

No odours/No mould,  
winter storage



## PTW 15

Water tanks, potable water  
free of pathogens



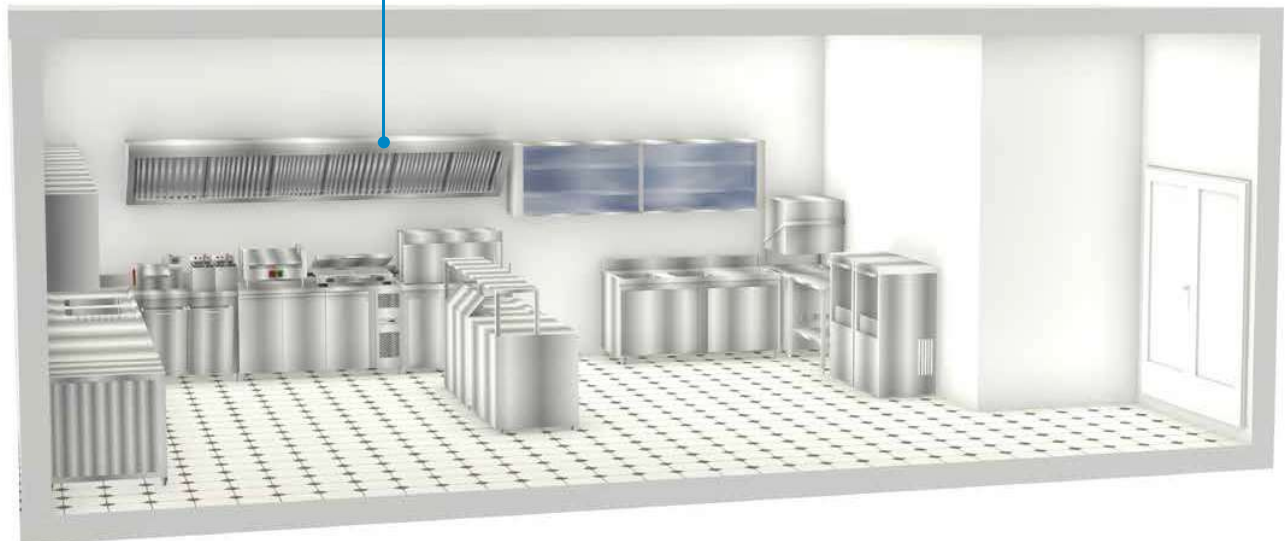
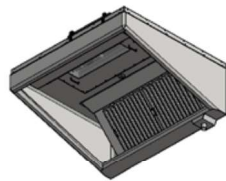
Applications – Solutions from oxytec

# Cruise liners, river cruise ships, ferries, submarines, energy-efficient galleys – free from grease and odour



**UV washing hood**  
Fire protection

**Injection hood with UV washing**  
Fire protection and energy saving



Applications – Solutions from oxytec

# Cruise liners, vessels, river cruise liners, ferries, submarines – room air free from odours, germs and allergens

**Cleanair Sky/Cleanair**  
Cigar rooms



**Saniair**  
Smoking areas



**Freshair**  
Rooms of persons with an allergy



**Plasma mini**  
Smoking areas/  
Smokeeater



**Supply air disinfection module**  
Microorganism removal



**PTW 15**  
Legionella control



**UV-diving ewitther**  
Water tanks

# Hospital “MRSA-reduction”

### Freshair

Continuous operation, reduction in the number of microorganisms



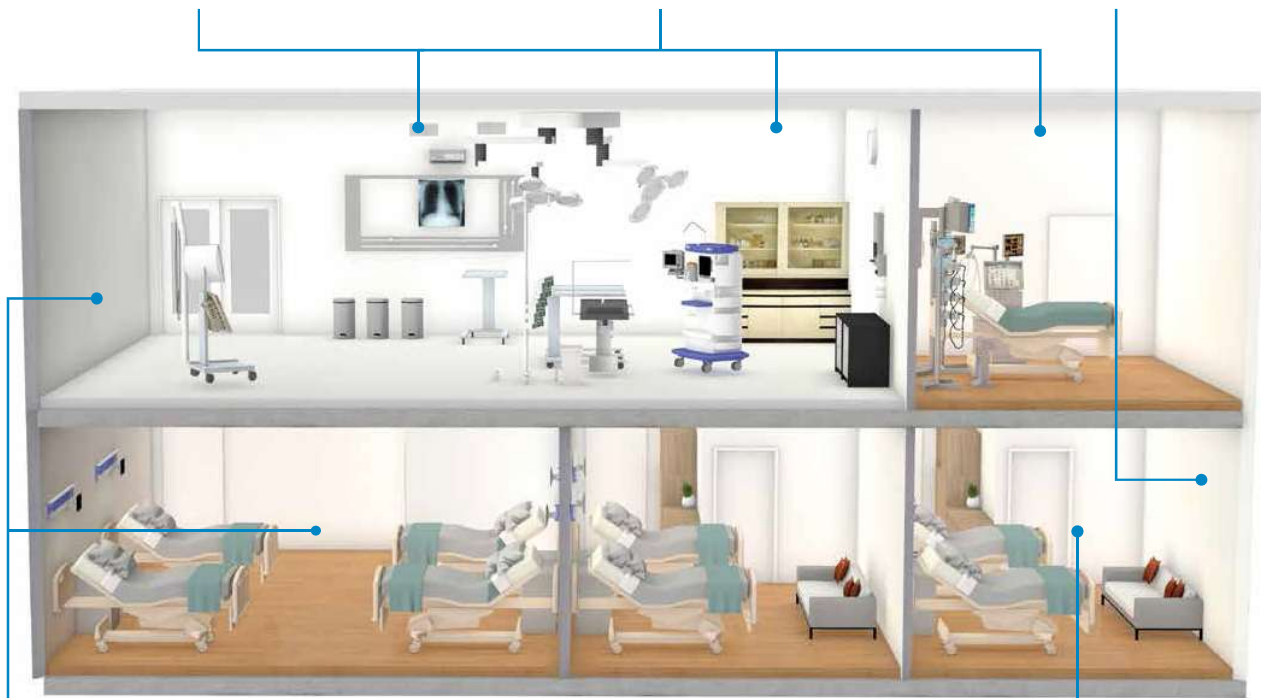
### Multiair

Decontamination of patient rooms, treatment rooms and operating rooms



### Supply air disinfection module

Decontamination of microorganisms in supply/circulating air



### Saniair

Mobile device for the decontamination of treatment rooms and operating rooms



### Sanipro

Decontamination of patient rooms, treatment rooms and operating rooms



### Cleanair

Decontamination of patient rooms and odour neutralization using a Hepa filter

Applications – Solutions from oxytec

# Doctor/Dental Offices – room air and surfaces free from germs

## Cleanair Sky/Freshair

Reducing the number of microorganisms in treatment rooms and waiting rooms



## PTW 15

Water purification from microorganisms, incl. legionella



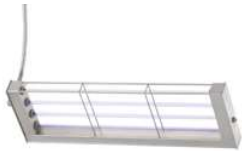
## Cleanair

Reducing the number of microorganisms in waiting rooms

Applications – Solutions from oxytec

# Air conditioning systems – Purification of supply and circulating air

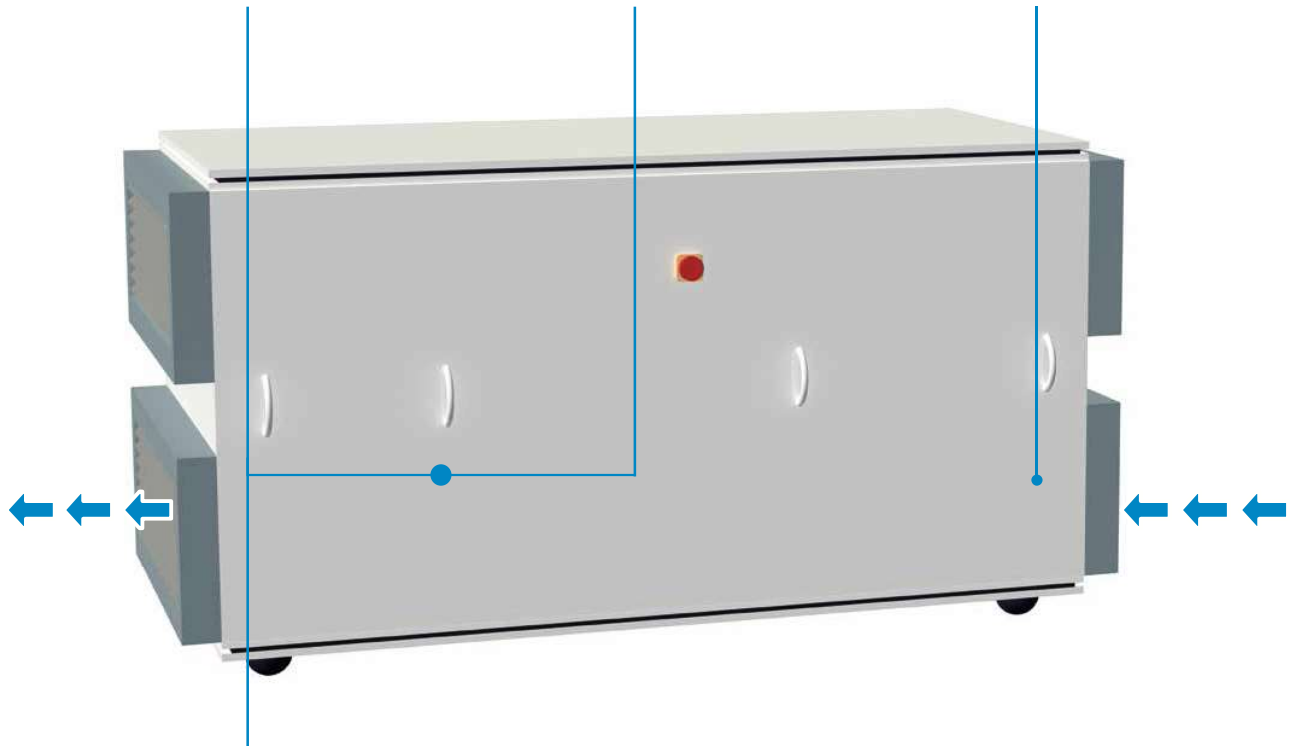
**UV IB**  
UV-C disinfection



**Channelframe**  
UV-C disinfection



**Electrostat**  
Dust removal from supply air,  
renewable



**TSF UV-diving ewithter  
with flange connection**  
UV-C disinfection

Applications – Solutions from oxytec

# Air conditioning systems – exhaust air free from grease, blue smoke and odour

## Electrostat

Grease and blue smoke removal



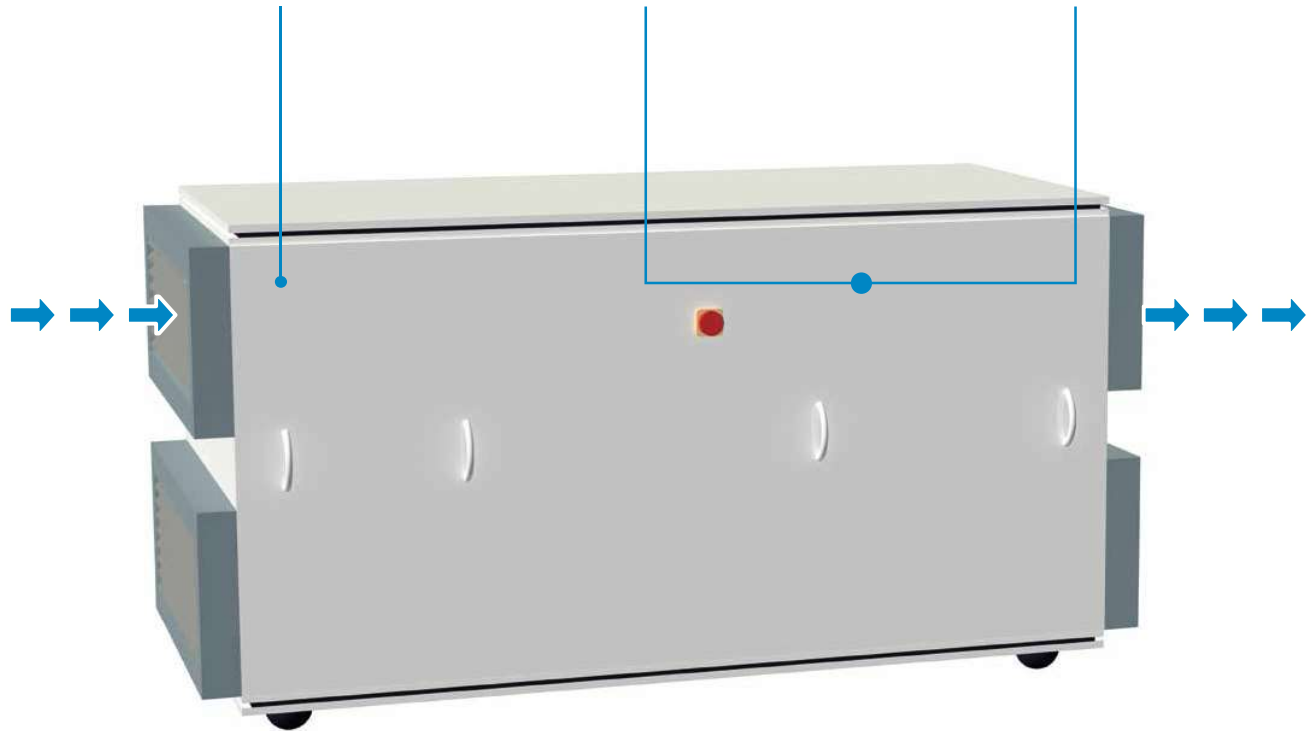
## Plasma

Odours



## CKA-IB (UV/Ozone)

Grease and odour removal





Applications – Solutions from oxytec

# Truck/Forwarding agent/Containers – germ-free and odourless

## Freshair

Reducing the number of microorganisms and odours in refrigerated containers



## UV-C 30 - 100

When transporting animals, continuous operation



## Sanipro

to neutralize odours and disinfection after unloading and cleaning

## Saniar

Applications – Solutions from oxytec

# Retail/Supermarkets

### Saniair

Disinfection of surfaces in sales counters and rooms



### Multiair

Bottle return



### Freshair

Reducing the number of microorganisms in refrigerated rooms/Counters



### UV-C surface

Refrigerated rooms



# Foodtrucks, Mobile Snack Bars

### CAP 600/1100 SS ES

Decentralised air treatment with NT-Plasma



### CAP 1500 ES +

Reduce blue smoke, grease and odours



Applications – Solutions from oxytec

# Butchers – meat processing free of germs

**UV-C surface**  
Disinfection of cooling evaporators and refrigeration device



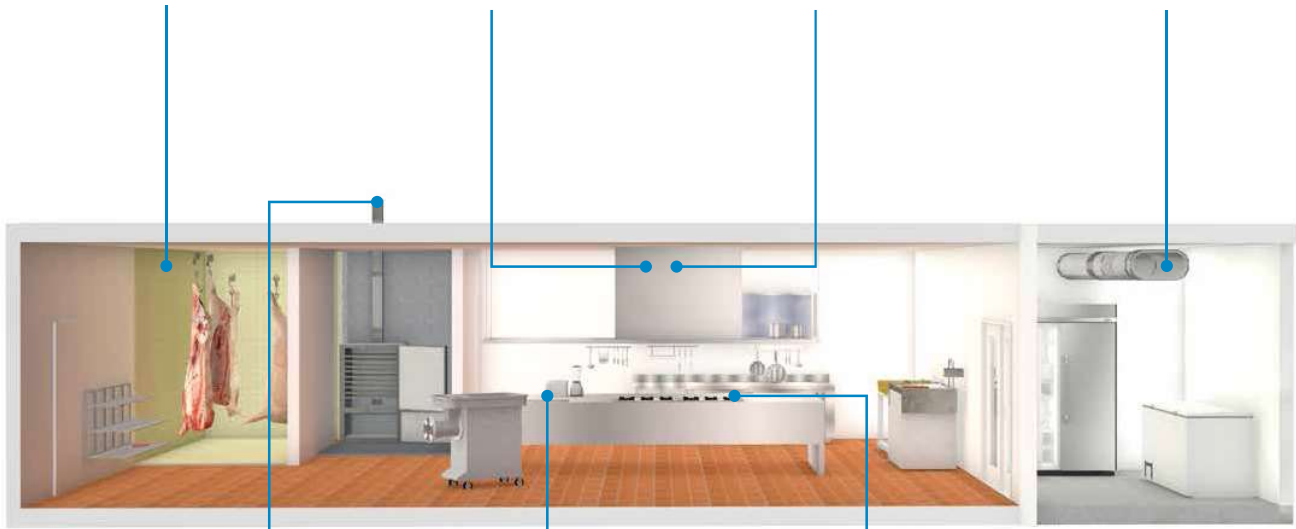
**UV-C 30 – 100 and 160 – 720**  
Circulating air disinfection



**UV IB 200 – 600**  
Disinfection of cooling evaporators



**Saniair 250 – 800**  
Surface disinfection



**CSA mini**  
Air purification of smoking chambers



**PTW 15**  
Water disinfection, legionella removal



**Disinfection of conveyor belts 300 – 1000**  
Surface disinfection, increased shelf life

Applications – Solutions from oxytec

# Bakeries – production free of germs, mould and odours

**Supply air disinfection module**  
Microorganism removal



**UV-C 30 – 100 and 160 – 720**  
Circulating air disinfection, air free of germs



**UV IB 200 – 600**  
Disinfection of evaporators, devices free of germs



**UV-C surface**  
Evaporator disinfection



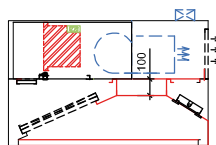
**CAP C**  
Decentralised air treatment with condensation and plasma



**Saniair 400**  
Surface disinfection



**Sanipro**  
Surface disinfection



**Plasma hood**  
Food distribution, Serving counter



**CAP 600 SS ES**  
Decentralized air treatment by NT-plasma



**Freshair**  
Disinfection and odour neutralization

Applications – Solutions from oxytec

# Food industry – Decontamination/Disinfection

e.g. in cold storage rooms, freezer systems and crate washers

**UV IB 200 – 600**  
UV-evaporator  
decontamination



**UV-C surface**  
UV-evaporator  
decontamination



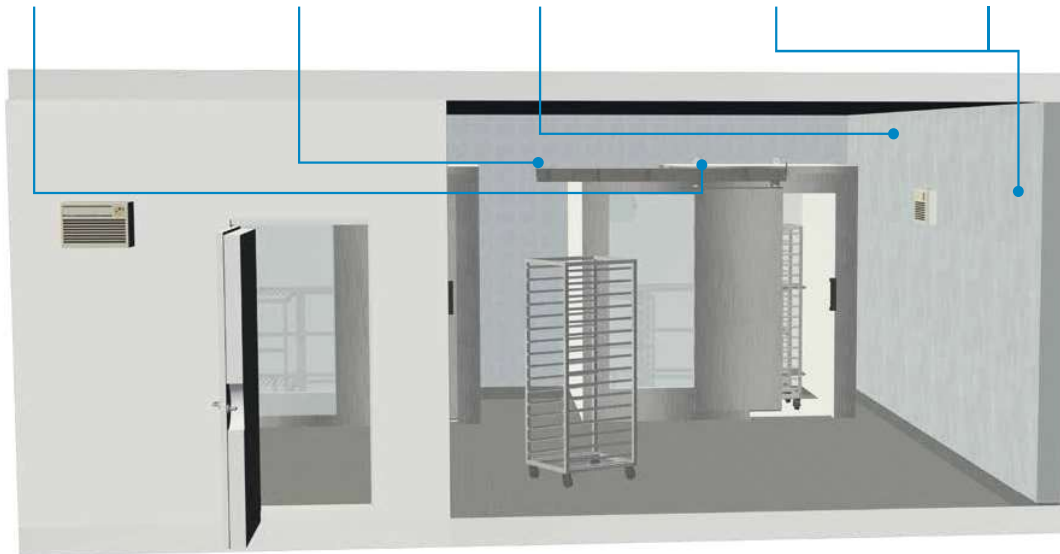
**Freshair**  
Disinfection and  
odour neutralization



**Saniair 400**  
Decontamination of  
surfaces with ozone



**Sanipro**  
Decontamination of  
surfaces with ozone



**Supply air disinfection  
module 500 – 50000**  
using UV-C



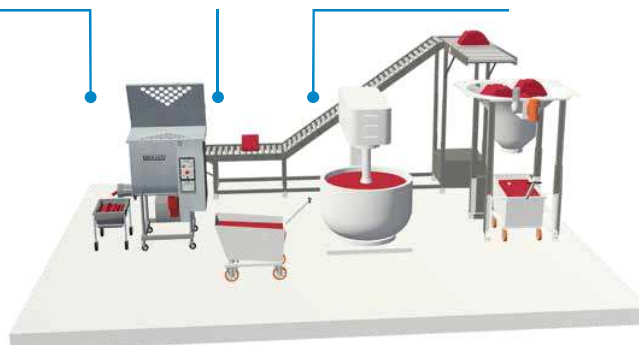
**UV-C 30 – 100  
and 160 – 720**  
Circulating air disinfection



**Disinfection of conveyor  
belts 300 – 1000**  
Surface disinfection  
using UV-C



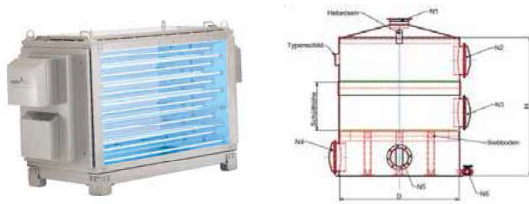
**UV-diving ewitther**  
UV-C disinfection  
of water



# Food industry – Exhaust air purification

## CEA (Clean Exhaust Air) and KAT (Catalyst)

Cleaning the exhaust air from indoor air



## CFA (Clean Fryer Air)

Cleaning the exhaust air after deep fryers, frying/cooking lines



## CSA (Clean Smoke Air)

Smoking plant exhaust air purification

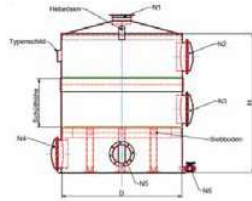
Applications – Solutions from oxytec

# Pharmacological and chemical industry (solvents), textile industry

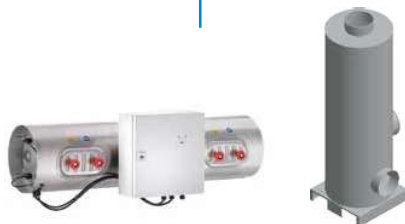
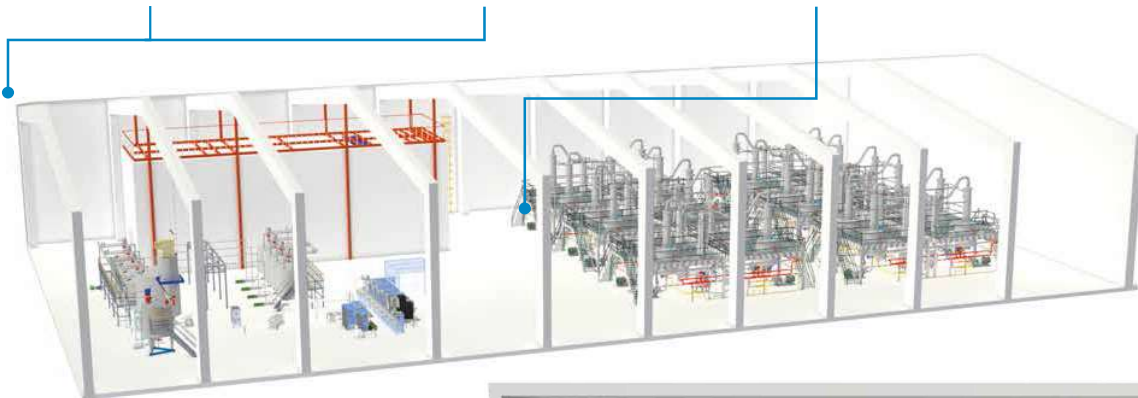
**CEA (Clean Exhaust Air)**  
Exhaust air purification  
in production



**KAT (Catalyst)**



**Sanipro**  
Disinfection after  
animal testing



**CEA mini and KAT**  
Exhaust air from tanks



**UV-C Wasser 0,2 – 350**  
(UV-C water 0.2 – 350)  
UV-C water disinfection

Applications – Solutions from oxytec

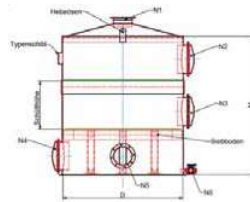
# Disposal facilities/Sewage treatment plants/ Sludge dewatering and drying plants

## CEA (Clean Exhaust Air)

Purification of exhaust air from screening buildings, sand traps, sludge dewatering and drying plants

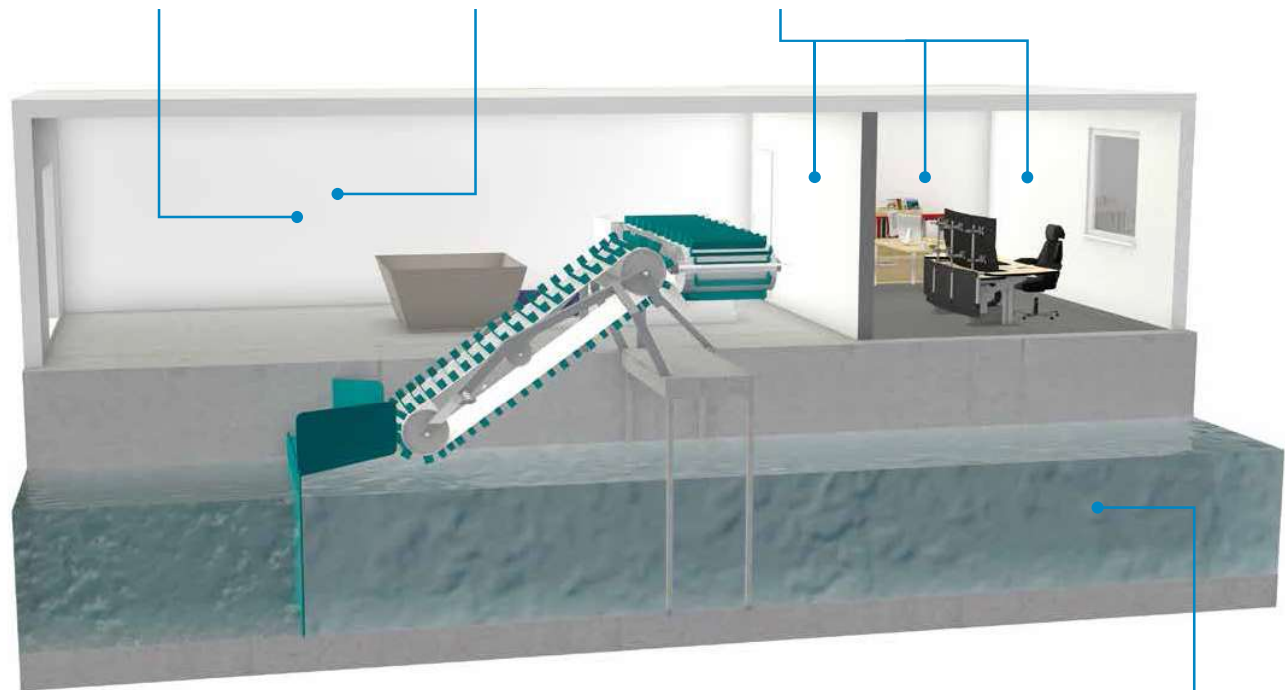


## KAT (Catalyst)



## Freshair/Multiair/Saniair

Reducing H<sub>2</sub>S levels in neighboring rooms, corrosion prevention



**UV-C Wasser**  
UV-C water disinfection



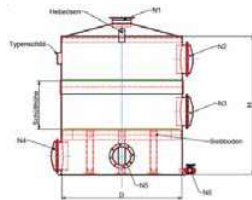
# Steel/Automotive industry/Foandries

## CEA (Clean Exhaust Air)

Exhaust air purification in production

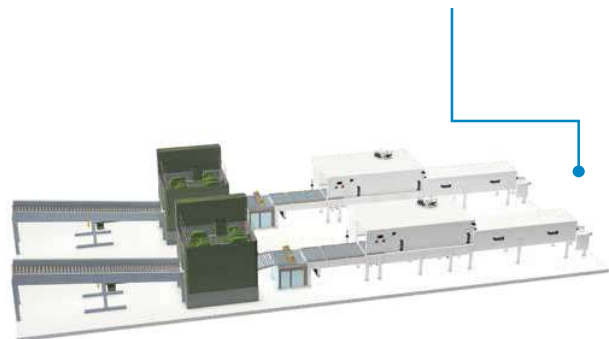
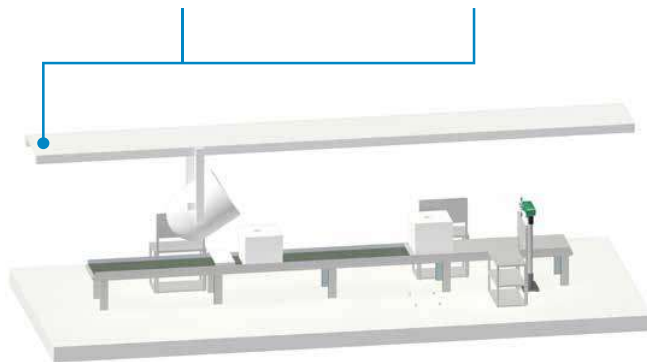


## KAT (Catalyst)



## Magnetic Separator (Magnetic separator)

Emulsions and cooling water treatment



**CAP 600/1100**  
Working place extraction,  
oil mist extraction

