

# CONTI+ oXan™ fresh

Room and air conditioning system disinfection



# INNOVATIVE & SAFE

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## Creating hygienic air quality for occupants

We have extended our unique, comprehensive CONTI+ hygiene concept, which covers the phases PREVENTIVE | PERMANENT | ACUTE and offers maximum safety, to include our own disinfection solutions: CONTI+ oXan™.

With CONTI+ oXan™ fresh, we offer a new disinfection solution for clean room air and air conditioning systems, as well as for vehicles. It is an ecologically and economically valuable alternative to conventional disinfection methods that can be used to quickly and effectively restore hygienic room air quality for occupants.

CONTI+ oXan™ fresh is used in the following three phases:

### **PREVENTIVE**

For the disinfection of rooms of all kinds and air conditioning systems in public, commercial, semi-public and private spheres, whether after construction or before commissioning, for a hygienically impeccable handover to the future operators and/or users.

### **PERMANENT**

For regular disinfection, odour and dust removal in rooms of all kinds and air conditioning systems in public, commercial, semi-public and private spheres – especially in sensitive areas and/or for sensitive users.

### **ACUTE**

For rapid cleaning in rooms of all kinds and air conditioning systems with microbiological contamination from bacteria, viruses, fungi, mould and spores.

### **CONTI+ sustainable packaging concept**

The CONTI+ oXan™ fresh disinfection solution is available in sustainable bag-in-box containers or spray bottles to reduce storage and transport volumes, and to prevent large amounts of waste and high disposal costs. By supplying ready-to-use concentrate, fresh water is added on site and transport volumes are reduced. The containers used are filled at our Wettenberg site in Germany.





# CONCEPTS & SOLUTIONS

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Hygienic | Safe | Sustainable | Smart

With CONTI+ oXan™ fresh, germs, bacteria, mould and fungal spores in rooms of all kinds can be killed by cold fogging, which restores the indoor air to a quality that is not hazardous to health.

Odours are eliminated by removing odour-forming bacteria and organic substances from the air. In addition, dust is removed by the mist dispersed in the cold fogging process.

Organic coatings in air conditioning systems are also removed through cold fogging using CONTI+ oXan™ fresh.

## Benefits of CONTI+ oXan™ fresh room disinfection

- Hazardous substance-free disinfection of room air and air conditioning systems
- Residue-free removal of germs, bacteria, mould and fungal spores
- Bactericidal, fungicidal, virucidal, sporicidal and algicidal properties
- Prevention of germ multiplication
- Odour and dust removal
- pH neutral
- Free of solvents, alcohols, aldehydes, dyes and fragrances
- Material-compatible at application concentration
- No toxicity to mucous membranes or eyes
- No cytotoxicity (cell or tissue damage)
- No phytotoxicity (plant damage)
- Substitute product for disinfectants with hazardous substance labels
- Sustainable production from water and salt – broken back down into water and salt



# Room air disinfection

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## Production

The sustainable production method of CONTI+ oXan™ fresh uses the exclusive CONTI+ FDAS process (Fraunhofer Diaphragm Activation Solution), i.e. the membrane cell process through electrochemical activation.

CONTI+ oXan™ fresh is produced from the natural raw materials water and salt. Advanced membrane technology is used to prepare environmentally compatible and non-toxic sodium hypochlorite. The CONTI+ production systems with PLC control are TÜV-approved.

A finely tuned formula and the latest system technology ensure consistent and effective disinfection.

The process technology is continuously optimised from an ecological and economic perspective. Energy consumption for the production of CONTI+ oXan™ fresh is minimised. High quality and reusable materials are deployed.

# Cold fogger

## Room and room air disinfection

Disinfection of rooms of all kinds and air conditioning systems with the CONTI+ oXan™ fresh three-nozzle cold fogger, with a dilution of 5 to 20 % depending on the level of microbiological contamination. Apply to all room surfaces. Remove all sources of bacteria and germs from the room, including textiles, and treat separately. Remove or safely cover electrical devices and components, especially smoke detectors, and disable them if necessary.

After disinfection, black mould must be removed mechanically and the affected areas cleaned. Please note: the cause of mould growth must be effectively removed, otherwise mould can reappear even after a room has been disinfected with CONTI+ oXan™ fresh.

### Application information

The quantity and fogging time depend on the size of the room – the values given here are intended as a guide.

Room size (m <sup>3</sup> )	Quantity (ml)	Approx. fogging time (minutes)
2	50	03:20
4	100	06:40
6	150	10:00
8	200	13:20
10	250	16:40
12	300	20:00
14	350	23:20

**Note:**

CONTI+ oXan™ fresh cold fogger (ultra-low volume aerosol fogger machine) with three precision nozzles and adjustable droplet size (5 - 50 µm), integrated metering valve and a spray distance of up to 10 m.



# Spectrum of activity

## Odour & dust removal

### Product information\*

Product name	CONTI+ oXan™ fresh	REG. NO. WIPO 018177385
Product designation	Neutral sodium hypochlorite eca	(ORP 960 mV, pH 6,9)
Active substance	Free chlorine (FAC)	< 1,0 g/l
Production process	Membrane cell process	Electrochemical activation
Product type	Oxidising agent, biocide	Ordinance on the notification of biocidal products under the German Chemicals Act (ChemBiozidmeldeV), N-86291
Composition	Free active chlorine produced from sodium hypochlorite	EC Nr. 231-688-3
Intended use	Disinfection of rooms and air conditioning systems	TrinkwV 2018 DVGW W623, W290, W213-I, W229 Substitution obligation, BGIA, DGUV, German Hazardous Substances Ordinance (GefStoffV) Para. 1(3) and (4)

### Disinfection

Cold fogging of room air and air conditioning systems with CONTI+ oXan™ fresh for fast and effective restoration of hygienic indoor air quality for occupants.

	Germ tested	Reduction rate [log]	Contact times	Dilution [mg/L]
Bacteria	Pseudomonas aeruginosa	6.4	30 sec	4
		4.8	30 sec	1
	Legionella pneumophila	4	30 sec	2
	Enterococcus faecium	5.2	120 sec	1
	Staphylococcus aureus	4.5	30 sec	2
	Escherichia coli	6.4	30 sec	2
Viruses	Adenovirus type 5	4	10 min	0.9
	Rotavirus SA11	4	120 sec	0.9
Algae	Green algae	99.70 %		
Mould, spores	Candida albicans	4.4	15 min	2

No cytotoxicity even above the application concentration EN ISO 10993.5 > 0.6 mg/l

No toxicity to mucous membranes or eyes

No phytotoxicity

\* This information is based on the current state of knowledge of the manufacturer/filler and is used to describe the CONTI+ oXan™ fresh product in terms of health and safety regulations. Therefore, it does not in itself constitute a guarantee of specific quality characteristics relevant to contractual conditions for sale or trials. The user must always ensure that the product is fit for purpose. Please note: Use disinfectants safely. Always read the label and product information before use.

# Vehicle fogging

For new and used vehicles

The CONTI+ oXan™ fresh vehicle fogging device is suitable for connection to a compressor or compressed air supply. In addition, the device has a pivoting nozzle, and a frame that can be hung on a vehicle window or used as a stand.

Vehicles are disinfected with the CONTI+ oXan™ fresh vehicle fogging device at a dilution of 5 to 20 %, depending on the level of microbiological contamination.

Handle with ball valve  
to switch off the compressed air

Nozzle W03  
can be pivoted

Frame for hanging  
on a vehicle window  
or for use as a stand

Tank  
1 litre

Compressed air hose  
Connection 7.2 nominal diameter



## SAFE & EFFECTIVE ROOM AIR DISINFECTION

- Non-toxic, free of hazardous substances
- Electrochemically activated
- Destruction of fungal spores and germs
- Odour and dust removal
- Removal of organic coatings

## Reliable & innovative

For over 45 years, the CONTI+ brand has been recognised for flexible and holistic shower room and washroom solutions for public, semi-public and commercial environments as well as the health sector.

Known for its innovative technology and high grade materials, the brand has gained a reputation for unfailing quality. With a wide-ranging product portfolio and many years of experience creating custom designs, CONTI+ is now widely recognised among design engineers and architects for its valuable contribution to their projects. Every last detail is contemplated when developing tailor-made products, resulting in smart, individual solutions to suit a plethora of applications and equipment. The choice of shower and washbasin fittings encompasses a variety of colours and finishes as well as options for surface or flush mounting. Naturally, sustainability, hygiene and reliability are prime considerations in the development of all products.

Thanks to its dependable quality and innovative technology, CONTI+ has remained a trusted brand throughout the world for over 45 years.

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