

Room air purifier from oxytec

For germ-free, clean air in **practices and offices**, in **guest and living rooms**, in **hotel and private rooms**

www.oxytec.com



oxytec¹
air & water
purification systems





Good air is quality of life

Whether we feel permanently comfortable indoors depends above all on the quality of the air. If the air is free of pollutants and odours, we can concentrate better and sleep better at night. This is especially true for allergy sufferers.

UV-C light not only eliminates pollen, spores, germs, bacteria and viruses. That it is also effective against pandemic pathogens such as SARS-CoV-2 has been adequately proven.





Two technologies, one effect: clean air

What works how?

Freshair

Technology: UV-C light

The short-wave UV-C light eliminates up to 99.99% of all airborne microorganisms at a wavelength of 253.7 nm – including pet and mite allergens. The short-wave UV-C radiation has a strong bactericidal effect. It is absorbed by the DNA of the microorganisms and destroys their structure there. In this way, the living cells are inactivated.



Cleanair Sky



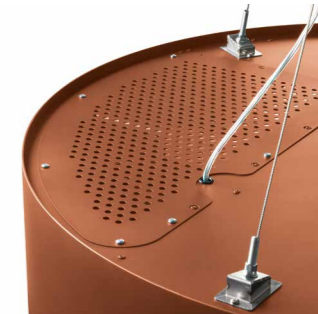
Cleanair Sky | Cleanair Cloud

Technology: Plasma

In plasma-based air purifiers, the air is brought into an energetic state through controlled voltage into the energetic state plasma. Viruses, bacteria and germs are destroyed. At the same time activated oxygen (O_3) is produced in the plasma, which also reacts with the pollutants in the air and binds them. The air becomes germ- and odour-free in fractions of a second.

**Residue-free and completely harmless
for humans and animals.**

Cleanair Cloud



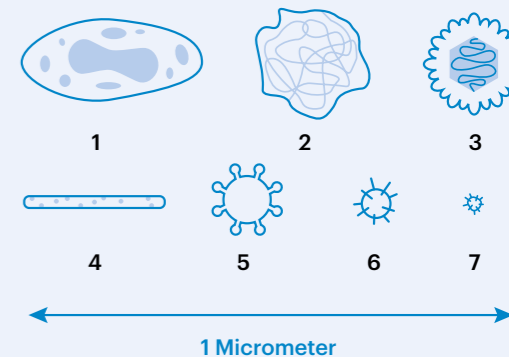
Why the displacement air system is so effective?

The exhaled air, which may be contaminated with aerosols or viruses, is not first mixed with the room air, but is led directly towards the unit and cleaned. In this way, the people in the room are supplied with clean displacement air from below.



Fraunhofer Institute confirms efficiency of the Cleanair Sky

A study at the Fraunhofer Institute for Building Physics has confirmed that the Cleanair Sky room air purifier achieves the optimal room air flows described above very well. There, not only the effectiveness of the device itself was examined, but also the efficiency under real room conditions, as required by the statement of the Commission for Indoor Air Hygiene (IRK) at the Federal Environment Agency.



Relative shapes and sizes of some virus types

- | | |
|------------------------|-------------------|
| 1 Smallpox virus | 5 Influenza virus |
| 2 Mumps virus | 6 Adenovirus |
| 3 Herpes virus | 7 Poliovirus |
| 4 Tobacco mosaic virus | |



Frees from

oxytec air & water purification systems



odours



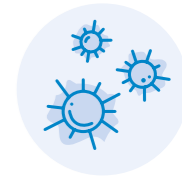
bacteria/
viruses



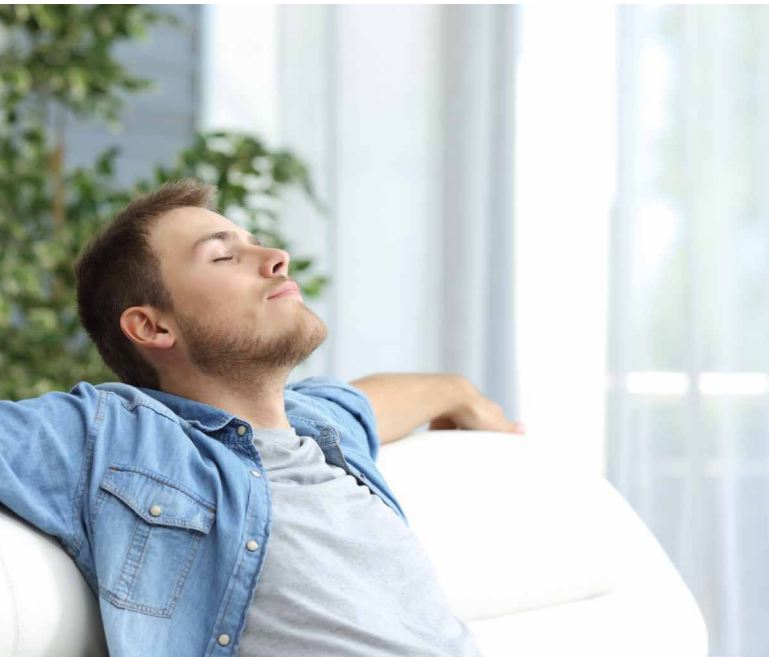
allergens



aerosols



mould
spores



At home – breathe easy and restful sleep

The oxytec room air cleaners filter and reliably remove pollen, spores, house dust and fine dust, which can be sources of allergies and asthma. Fine dust is effectively filtrated from the air. **In the home**, they neutralise toxic vapours from furniture, home textiles and paints (VOCs). During the cold season, they destroy viruses and filter bacteria from the air, and thus ensure healthy sleep.



Relief for allergy sufferers – thanks to clean air, free of pollutants, germs and pollen

Reduced germ and allergen contamination in living rooms and bedrooms, offices and surgeries: The mobile air purifier Freshair is especially suitable for allergy sufferers. No matter whether pollen allergens, animal hair or house dust - the Freshair cleans the air and surfaces and ensures hygiene in germ-ridden living rooms and bedrooms. Allergy sufferers feel noticeably relieved and can concentrate better during the day and sleep better at night.

Harmless to health, sustainable and environmentally friendly!

Application examples

In the practice, in the shop, in the office – germ-free uncontaminated air for employees, customers and patients

In the waiting and treatment room oxytec devices remove viruses, bacteria, spores and allergens from the air. In the staff area they reduce air pollution and thus the risk of infection.

After the meal, the units remove undesirable food odours.



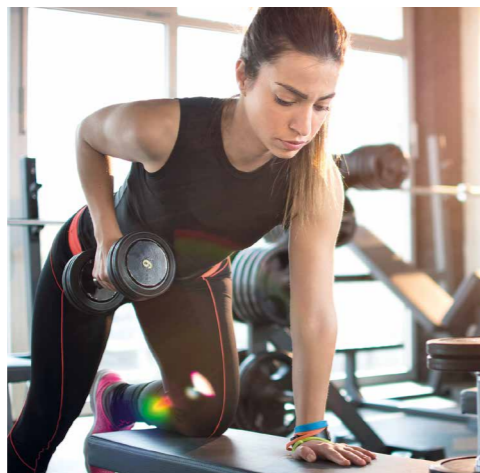
Concentrated learning, increased well-being

The Cleanair Sky was developed especially for **kindergartens and schools**. It is the only mobile ceiling unit that works with tested plasma technology. By placing it centrally under the ceiling, the air in the room is cleaned most effectively from corona viruses, because aerosols rise with the room thermals upwards. This new generation of airpurifiers is the best solution for kindergartens and schools – safe, cost-effective, energy-saving and quiet.



Other areas of application:

- Guest rooms, lounges and meeting rooms
- Fitness/changing rooms
- Allergy-sufferer rooms
- Hotel rooms
- Smoking areas
- Ski cellars
- Cold storage rooms
- Storage rooms and storerooms
- Toilet rooms
- Treatment rooms (physiotherapy)
- Foyers



Why is our plasma ceiling unit so effective?



Ceiling unit enables displacement flow system

One form of ventilation is the displacement flow system. In this process, the room flow behaves as follows: The exhaled air is drawn in both by the thermal effect and the suction of the wall or ceiling unit on the ceiling without being distributed further in the room. It is sterilised in the unit and blown out parallel to the ceiling. Due to the Coanda effect, where a jet follows a surface, the air flows along the ceiling to the walls. Since the walls are usually colder than the room air, the air is cooled there, sinks towards the floor and is distributed there. This is how the displacement flow system is realised.



Cleanair Sky and Cleanair Cloud

Technical data

Suitable for:	25 – 56 m ²
Volume:	150 – 600 m ³ /h
Power supply:	21 – 75 W
Mains voltage:	230V/50 Hz
Dimensions	
L x Ø:	325 x 900 mm (Cleanair Cloud)
L x W x H:	210 x 680 x 610 mm (Cleanair Sky)
Noise level:	28 – 58 dB
Weight:	approx. 13 kg (Cleanair Sky), approx. 50 kg (Cleanair Cloud)



Lighting
LED, 36 W



Various RAL colours on request

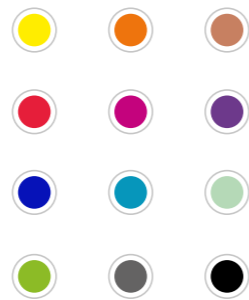


Freshair

Technical data

Room volume:	15 – 60 m ³
Power supply:	30 W
Dimensions	
L x Ø:	380 x 130 mm (Freshair round)
L x W x H:	340 x 98 x 105 mm (Freshair angular)
Weight:	2,5 kg (Freshair angular), 4,5 kg (Freshair round)
Noise level:	22 – 25 dB
Material:	Stainless steel, powder coating

Various RAL colours on request,
12 V or 24 V version possible:





What our customers say

“We have 800 students and a Cleanair Sky in every classroom. We are thrilled. Since the beginning of the pandemic we haven’t had a single Corona transmission. The ideal thing is that the Cleanair hangs under the ceiling and doesn’t disturb anyone, because the students sit close together in our classrooms.”

Andrea Baumert,
Head of Continuing Education at the
University Hospital Goettingen

“The Cleanair Sky is not bothering anyone, but it is having an effect: We have had no evidence of corona outbreaks in any of the classrooms. In our branch, where no air purifiers are installed, it’s a different story. There Corona is really going on there.”

Christiane Ringelstetter-Franz,
Headmistress Wiepeldorn Primary School
Klein-Offenseth, Schleswig-Holstein

“In our primary school, there was not a single case of Corona for eleven months. The Cleanair really brings safety. This is also important for the parents. We find it very positive that the devices neither have maintenance nor produce hazardous waste. Because the Cleanair hangs under the ceiling and is very quiet, it is not noticed in class. I am also very convinced of the plasma technology.”

Margrit Wolter,
Headmaster of the Heinrich-Christian-
Burckhardt School in Adelebsen

“I have a Freshair device in my dental practice. The patients are informed by a notice. We really get positive feedback every day. The Freshair gives us all a bit of security and normality during the Corona pandemic.”



Dr. Minssen, Hamburg

"We find it ideal that the Freshair is mobile and can be plugged into any socket. Therefore we can use it throughout the house without any fuss. Even in the laundry room where it eliminated a pungent odour within a short period of time. Later we found a decomposed mouse behind the washing machine."

Birgit Schnettler, Muenster

"As the owner of a cat, I have had very good experiences with the Freshair. It eliminates pet odours of all kinds."



Antonia Zugna-Bley, Ahrensburg

"Especially in corona times, my patients feel more comfortable and safer since I started using the Cleanair Sky. And I'm glad that I can guarantee them optimal hygiene in my practice and it also provides fresh air."

Dr. Anja Engelsing, St. Aibling

"We are big fans of the Freshair. Since we have had three devices in our home, my wife no longer has sinus infections. I had problems with open legs for ten years. The disinfecting ozone in the Freshair has cured them completely. And the constant winter colds in the family are also a thing of the past. The Freshair is a miracle device for me."



Maik Brömme, Buxtehude

"The Cleanair is so quiet that it doesn't disturb the lessons at all. A big plus is that it doesn't stand in the middle of the classroom like a refrigerator. It doesn't take up any space under the ceiling and no child can bump into the unit or stick a piece of chewing gum in the ventilation slots."

**Philipp Trompell, Principal of the
Kleeblatt Primary School Mark Oldendorf**



oxytec offers further fields of application



Exhaust air cleaning with UV/Ozone in industry



Exhaust air purification with plasma and UV/Ozone in gastronomy



Disinfection with UV-C in air conditioning systems and on evaporators and recirculating air coolers



Water disinfection with UV or ozone





Addresses

Germany

oxytec GmbH
Geibelstr. 64 | 22303 Hamburg

Switzerland

oxytec AG
Bahnhofstr. 37 | 8001 Zurich

Czech

oxytec s.r.o.
Revoluční 1082/8 | 11000 Praha 1



Reception of orders

Phone 00 49 40 480 967 73

Fax 00 49 40 480 967 72

Phone 00 41 44 214 6294

Fax 00 41 44 214 6519



Information

Website www.oxytec.com

Email info@oxytec.com

Website www.oxytec-ag.com

Email info@oxytec.com

Website www.oxytec-ag.com

Email polak@oxytec.cz

oxytec ag

Bahnhofstraße 37
CH-8001 Zurich
oxytec@oxytec-ag.com

Company's head office: Zurich

HR CH-020.3.027.944-9
EORI-Number: DE1182145
UST-ID: DE 81 41 24 612
UID: CHE-111.788.373

EU-based storehouse:

Raiffeisenstraße 21
D-59757 Arnsberg