



THE MOBILE & FLEXIBLY USABLE AIRCLEANER

FOR KITCHEN & LIVING AREA,
MEDICINE, HOTEL & GASTRONOMY

OZONOS®

WHY OZONE & HOW DOES IT WORK?

Ozone, also known as active oxygen, is a naturally occurring substance and consists of three oxygen atoms (O_3). It therefore has one oxygen atom more than the vital oxygen in our breathing air (O_2). This third oxygen atom makes ozone a highly reactive substance. It tries to form a bond with other substances or disintegrates into O_2 again. We make use of this attribute to neutralize smells, bacteria, viruses, germs, pollen, etc. Especially proteins and fats are those substances which react quickly with ozone and decompose. If ozone does not find a substance with which it can react, it decomposes into O_2 (oxygen) automatically after a short time. These are exactly the properties we need.

In everyday life we know ozone mainly from the ozone layer which protects us and as an air pollutant close to the ground. As a pollutant, ozone is mainly formed from emissions and solar radiation (summer smog). Ozone is therefore only ONE component of a pollutant cocktail. Its harmfulness lies particularly in the excessively high concentrations and other harmful additives. A clear distinction must be made from summer smog: First, for its function the OZONOS Aircleaner only produces ozone in low concentrations and no harmful pollutants. Secondly, even under unfavourable conditions, the ozone concentrations remain in continuous operation in a safe range of less than 0.05 ppm, e.g. with the OZONOS AC-1 version (TÜV certification, testing of each individual UV-C lamp).

EU Directive 92/72/EEC (thresholds)

According to the EU directive, ozone does not pose a health risk at a concentration of 0.06 ppm. Information threshold / alarm threshold at 0.12 ppm. More information at EU Directives www.eur-lex.europa.eu or Bavarian State Office for the Environment www.lfu.bayern.de



OZONE ONLY DOES ITS JOB AND **DISAPPEARS.**

OZONOS TECHNIQUE

INSPIRED BY NATURE

For the production of ozone we copy the natural formation of it in the ozone layer.

In combination with oxygen (O_2), the UV-C light of the sun produces ozone (O_3).

The OZONOS Aircleaner uses exactly this principle: The UV-C bulb in the OZONOS Aircleaner takes on the role of the sun.

Contrary to the usual methods and environmental processes, no harmful nitrogen oxides are produced.



- No odour
- No bacteria
- No viruses
- No germs
- Only pure oxygen

OZONE GENERATORS

SO FAR: TOO MUCH OZONE, TOO LOUD AND TOXIC NITROGEN OXIDES



Not appropriate for use in occupied rooms.

Until now, ozone for domestic use has been generated by so-called ozone generators. These devices use very high voltages to generate ozone and/or ionized air by means of electrical discharges (corona discharges). On the market they are also called ionizers. The disadvantage: corona discharges produce toxic nitrogen oxides (NOX) in the air - the main pollutant of summer smog and absolutely undesirable in room air.

In addition, the amount of ozone produced, usually more than 1,000 mg/h, is much higher than, for example, 2.5 mg/h for OZONOS (model OZONOS AC-1).

The use of conventional ozone generators for odour neutralisation and disinfection of rooms is only possible in a very controlled way, for example if the room is not entered for several days, as in the case of a crime scene cleaning. In addition, the noise level is often indicated with more than 45 db (audibly loud, concentration disturbance).



WHERE CAN OZONE BE FOUND?

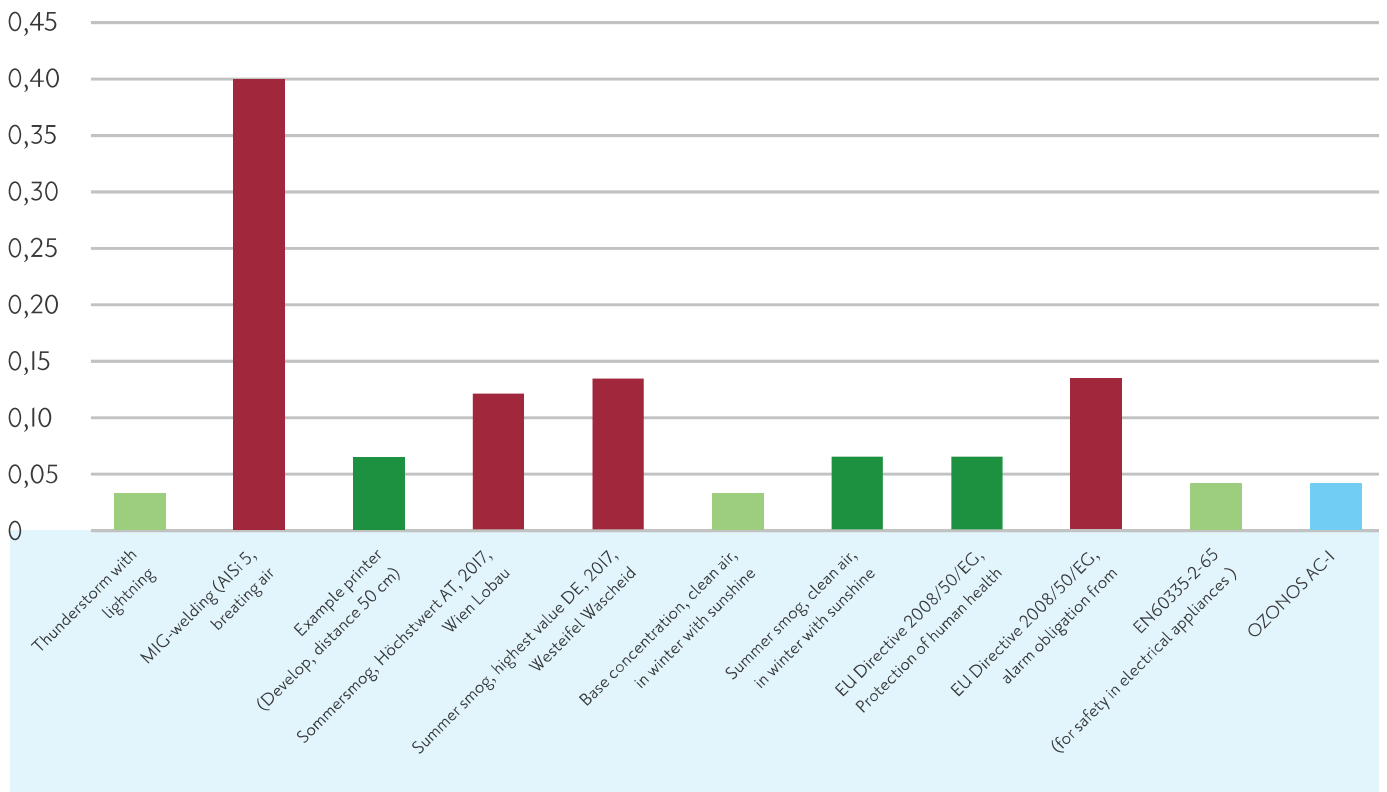
IN THE LAST FEW YEARS THERE HAS BEEN AN ENOURMOUS CHANGE IN THE SUBJECT OF OZONE.

In medicine, the use of ozone has been common for some time, for example in dentistry or for blood treatments.

The table below shows where ozone can be found in our daily lives and how it can be used. It can be clearly seen that our OZONOS AC-I is very far below the threshold values and specifications of the EU and the legislator.

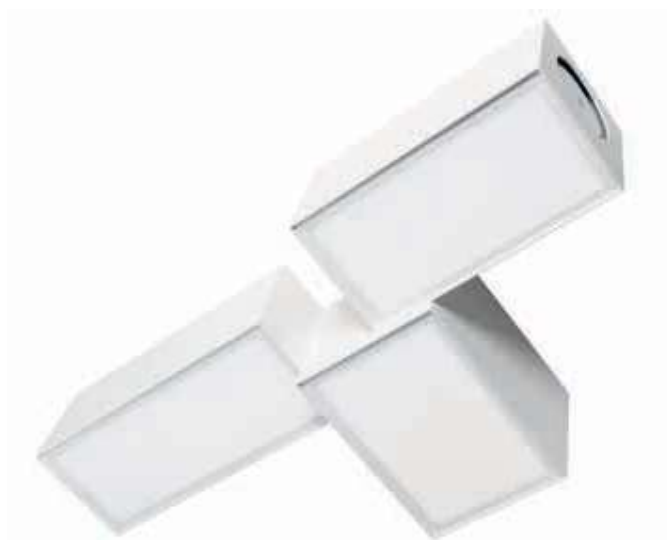
Ozone is the most important gas in our environment and keeps nature in balance. We make use of this principle in our OZONOS products.

TYPICAL OZONE-CONCENTRATION IN PPM (PARTS PER MILLION)





Anthracite RAL7016



White RAL9016

DESCRIPTION CEILING LAMP „STELLA“:

LENGTH:	1060 mm
WIDTH:	550 mm
HEIGHT:	220 mm
WEIGHT:	16,5 kg
LED-Strip 80W 24V 5700lm 2700K CRI>=90	
Driver & OZONOS AC-I PLUS integrated incl. remote control, surface metal case in white (RAL9016) or anthracite (RAL7016), surface glass A-WS acrylic white satined	



Athene Creme

DESCRIPTION FLOOR LAMP "HAILEY":

DIAMETER:	Ø600 mm
HEIGHT:	1740 mm
WEIGHT	19 kg
LED:	24V/230V
54W, 4950lm, 2700K, CRI 90	

Jeans Grey



Linen Nature



Athene Creme





OZONOS STATIV

(COMPATIBLE WITH THE OZONOS AC-I LINE)

- Easy adjustment and transport
- Ideal air circulation due to higher placement of the device
- Individual and easy height adjustment due to leg clamps and 3 air-damped extracts
- Including wheels. E.g. for use in hotel rooms.

DESCRIPTION OZONOS TRIPOD:

DIAMETER:	33-29-25 mm
HEIGHT:	maximum 300 cm
NET-WEIGHT:	1,6 kg
LOAD:	9 kg

OZONOS TECHNICAL DATA

SPECIFICATIONS & FEATURES



	OZONE CONCENTRATION					
UV-C COATING	10%	0,048 ppm	25%	0,115 ppm	50%	0,210 ppm
	OZONOS AC-I		OZONOS AC-I PLUS*		OZONOS AC-I PRO*	
MEASUREMENTS	L 400 mm · Diameter 130 mm · Weight 2,7 kg					
UV-C BULB	1 x 8 watt		1 x 8 watt		1 x 8 watt	
INPUT POWER	14 watt		14 watt		14 watt	
UV-C BULB	Durability of the UV-C bulb: 8.000 operating hours					
AIR FLOW RATE p.h.	ca. 55 m ³ ca. 25 m ²		ca. 55 m ³ ca. 25 m ²		ca. 55 m ³ ca. 25 m ²	
VOLUME	37 db		37 db		37 db	
REMOTE CONTROL	yes		yes		yes	
COLOURS	<p style="text-align: center;">Every version is available in all colours!</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> black – powder-coated </div> <div style="text-align: center;"> silver – powder-coated </div> <div style="text-align: center;"> white – powder-coated </div> </div>					

*The OZONOS AC-I PLUS and AC-I PRO are not designed for 24/7 use where people stay in the same room permanently. We recommend not to stay in the room for longer than 8 hours when operating the device. OZONOS AC-I PLUS and AC-I PRO are particularly suitable for professional use and for quicker and more intensive cleaning.