

Plasma generator – disinfecting indoor air during day-to-day work

Tiny and thus invisible aerosols that arise especially when speaking are suspended in the air in indoor rooms. What makes these microscopically small droplets so dangerous is that they can contain viruses and bacteria.

Our innovative plasma generator was developed to avert this danger.

The plasma generator produces hydroxyl radicals known as cold plasma that destroy viruses, bacteria, fungi and even odours in the air and on surfaces via a chemical chain reaction. In the process, up to 99.999% of germs are eliminated under defined test conditions*.

Your advantage: The cold plasma is not harmful to health, so it can be used during day-to-day work.

Furthermore, the plasma generator is quiet and compact and can therefore be used in all areas of an orthopaedics business.

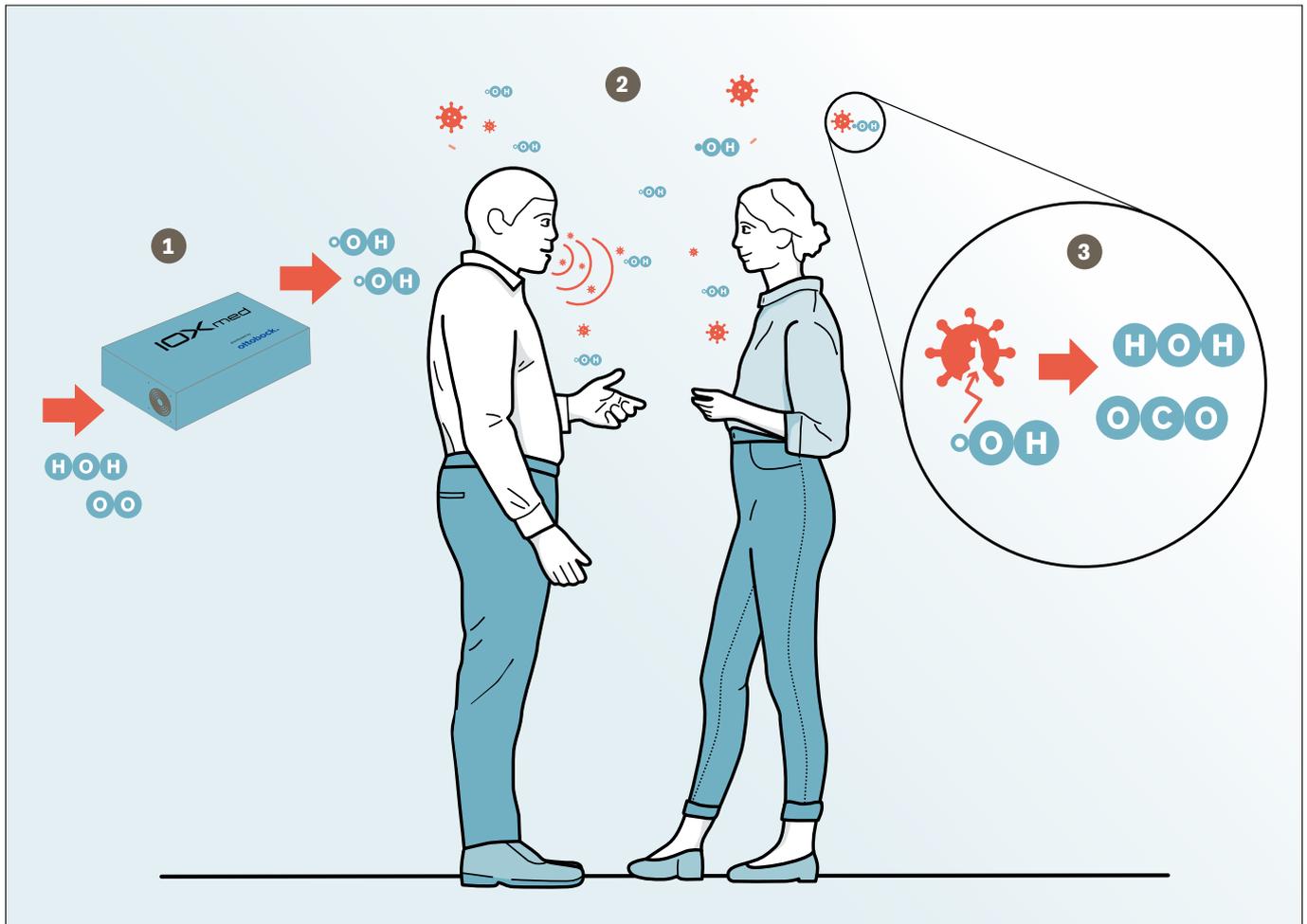
*Confirmed in an evaluation by Dr. Schmelz GmbH, 4/2020 based on the standard test procedure of the German Society of Hygiene and Microbiology (DGHM)

All benefits at a glance:

- Efficiently eliminates viruses, bacteria and fungi as well as odours
- Small, compact and quiet
- Disinfects without interrupting work
- No additional supplies needed



More informationen under:
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Functionality:

1. The plasma generator produces hydroxyl radicals ($\bullet\text{OH}$) from ambient air
2. Hydroxyl radicals search out and attack living (and dead) microorganisms
3. The microorganism's cell structure is broken up and thus eliminated. Only harmless water (H_2O) and carbon dioxide (CO_2) are left.

Article number	758E2=1-1
To be used for	Disinfection of indoor air during day-to-day work
Equipment	Hydroxyl radical production – ozone production can be switched to reduce the bioburden more rapidly (only for use in rooms with no people)
Dimensions WxDxH	105 × 220 × 60 mm
Electrical connection in V/Hz	100-240 / 50-60
Max. room size	120 m ³
Noise level	43,5 dB