



PATENT
PENDING

Easy, safe, effective:
aerosol suction with aer x

Up to 99.9% less aerosol: aer x from SycoTec helps you to work much more safely*

Imagine being able to reduce aerosols easily and effectively in your practice room in the exact place where they are formed: the patient's mouth. The aer x from SycoTec is an easily adaptable solution which can be connected to your existing dental suction equipment in one simple step, allowing you to combat aerosol mist directly at its source.



aer x eliminates up to 99.9% of the aerosols emitted*, creating a hygienic and safe working and treatment environment for the practice team and subsequent patients.

An added bonus for patients is that the aer x headphones effectively reduce ambient noise or drown it out with music, making the treatment less stressful and anxiety-inducing.

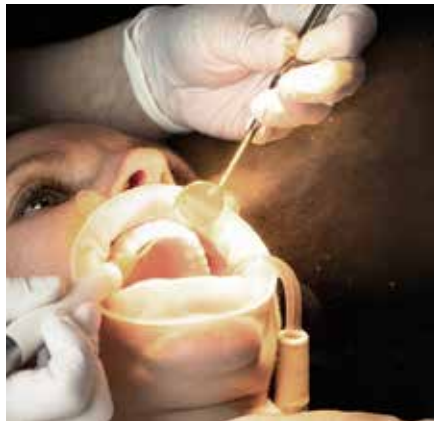
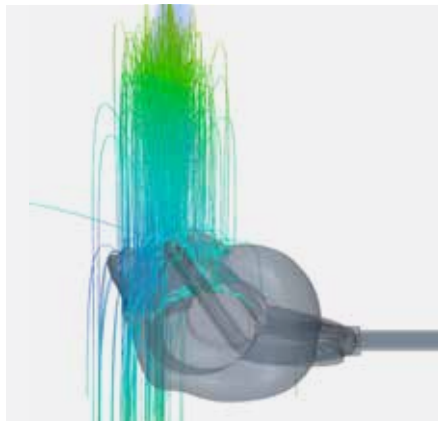


*When the equipment is positioned optimally and has optimum suction power (see technical specifications under suction volume); flow is theoretically calculated by HTCO GmbH, Freiburg

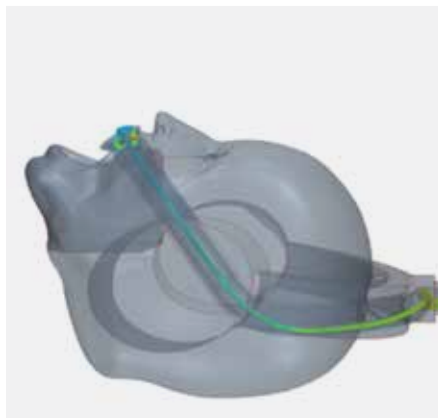
Uniquely effective

Comparison of aerosol formation with and without aerosol suction with SycoTec aer x**

Aerosol formation without aerosol suction



Aerosol formation with SycoTec aer x

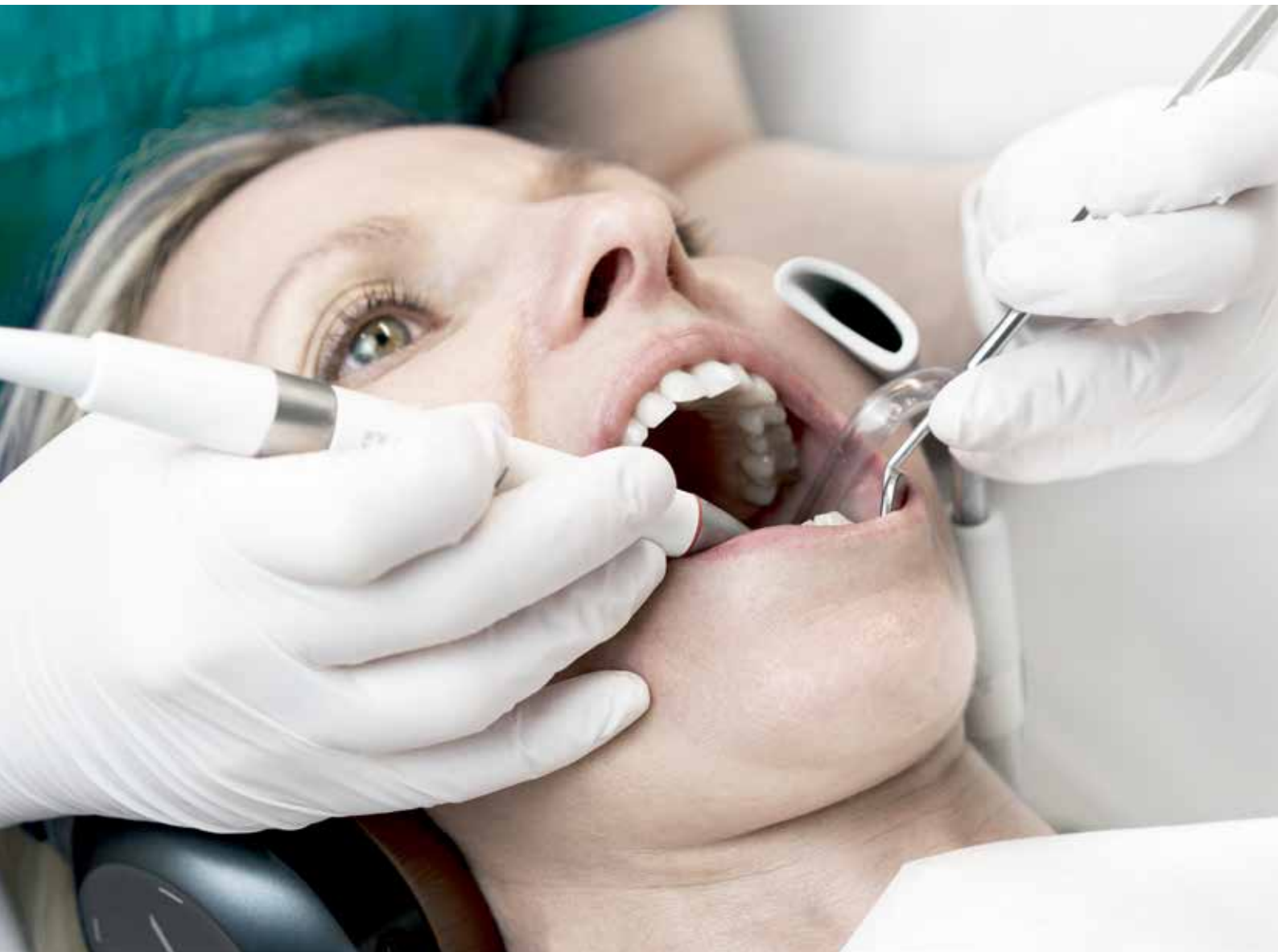


**Flow simulation with particle size of 20 μm
conducted by HTCO GmbH, Freiburg

Using aer x couldn't be any easier

A helping hand during prophylaxis work

When the flexible suction cannula is optimally positioned on the patient's mouth, the aer x system enables almost complete aerosol suction, especially during prophylaxis work. This effectively reduces the practice team's workload and provides lasting protection against aerosols.



aer x aerosol suction at a glance

- Up to 99.9% reduction in aerosol formation directly on the patient*
- Lower aerosol concentration in the practice room
- Much safer working and treatment environment for the practice team and subsequent patients
- Extremely easy and intuitive to use
- No training necessary
- No additional space required
- Minimizes ambient noise for the patient to reduce stress and help them to relax

aer x from SycoTec helps you to provide maximum safety and comfort for your practice and patients. Find out more today. We would be happy to advise you.



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The aer x modules



Noise-cancelling headphones

- Easy to put on
- With a Bluetooth interface for playing music and other content
- Intuitive, customizable operation by either the patient or practice team
- Environmental noise is eliminated and speech can still be heard



aer x suction with hose

- Attached to the headphones with a magnet and connected to the existing dental suction equipment using a hose



aer x suction cannula

- Makes it easy to position the equipment between the nose and mouth in parallel with the top lip
- Thermally disinfestable at 90 °C
- Sterilizable in an autoclave at up to 135 °C
- Cannula holder for the left and right side



Y-switch for assisted activities

During assisted treatments, an additional Y-switch next to the suction nozzle allows the aer x aerosol suction to be used at the same time.



Kits available

The aer x aerosol suction system is available for virtually all commonly used treatment units.

Further information is available online:
<https://www.sycotec.eu/en/product/aerosol-suction/>

Included in the prophylaxis set



Headphones

Cannula holders



Reducing adapter to 11 mm



Suction cannulas (5 x)



Headphone holder



Fixing strap



Protective covers (100 x)



USB-C charging cable



Operating instructions



Technical specifications

Style	over-ear
Design	closed
Transducer principle	dynamic
Audio transmission range (earpiece)	10–30,000 Hz
Impedance	21.75 ohms
Sound pressure level (SPL)	99.6 dB
Pressure averaged from large and small head	584.5 g
Weight with cable	293 g
Weight without cable	284 g
Cable length	120 cm

Features

Battery life	up to 45 hours
Battery life with ANC	up to 24.5 hours
Suction volume	
During prophylaxis	min. 300 l/min
During preparation	min. 400 l/min

The specific suction volume must be determined

aer x video



https://www.sycotec.eu/en/sycotec_aerx_video/

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