

# Recirculated air disinfection for maximum protection against infection

## Air purification unit - LTG UVC *SterilVentilation*



The LTG UVC *SterilVentilation* reduces reliably and safely the risk of contracting airborne (aerosol) viruses such as COVID-19 or influenza. It operates very quietly and is therefore suitable for all types of rooms.



**steril**  
ventilation

- Maintenance-free continuous operation with maximum protection of people through verified UV-C shield
- Ozone and chemical free disinfection of the recirculated ambient room air (patent pending)
- Silent and effective room air distribution with proven LTG fan and airflow technology up to 950 m<sup>3</sup>/h
- Effectiveness within seconds due to High-performance UV-C low pressure emitter



Virus and germ free



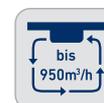
Maintenance-free continuous operation



Low noise emissions



UV-C protection

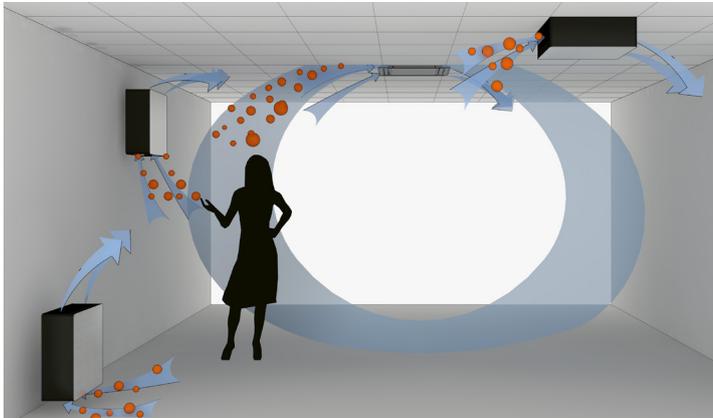


Optimal room distribution



German engineering

It is well known that the risk of infection in rooms by viruses, bacteria and mold spores increases if an adequate supply of fresh air cannot be guaranteed. In such cases, the use of air purification units such as the **UVC SterilVentilation** significantly reduces the virus load. Due to the High-performance UV-C low pressure emitter, up to 99,99% of all germs and viruses are demonstrably inactivated. The proven LTG flow technology ensures effective and low noise room distribution.



The effective room air exchange guarantees maximum inactivation of airborne viruses

### Characteristics

- Ozone and chemical free - invisible, natural, odourless radiation from high powered UV-C low pressure emitter
- Low maintenance non-stop operation - no change and disposal of contaminated filters (HEPA) necessary
- Easy retrofitting in all rooms as stand-alone version or wall/ceiling installation
- Certified shielding of the UV-C emitter according to DIN EN ISO 15858 ensures hazard-free operation in the presence of humans
- Simple installation, no special knowledge required (plug and play)
- 2-stage operating mode (Silent-/Max-Mode) selectable depending on the application
- Blue LED display for optical function monitoring
- German engineering – proven high-quality comfort air and UV-C components

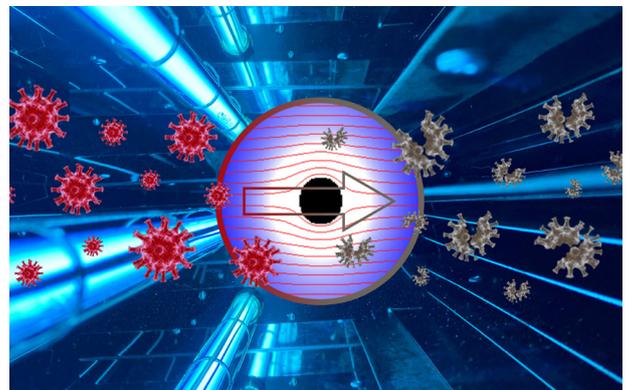
### Technical Data

	size 400	size 1000
<b>Dimensions [mm]</b>		
Wall/ceiling installation (WxHxD/LxWxH)	600x600x220	1230x600x220
Stand alone (WxHxD)	600x655x220	1230x655x220
Ceiling integrated (WxLxD)	595x595x220	-
Ceiling integrated (with matching angle)	620x620x220	-
<b>Flow rate (max.)</b>	300 m <sup>3</sup> /h	950 m <sup>3</sup> /h
<b>Sound pressure level L<sub>pA</sub><sup>2)</sup></b>	28 <sup>2)</sup> ...45 <sup>3)</sup> dB(A)	
<b>Electr. performance input</b>	66 W	116 W
<b>Mains Voltage</b>	230 V / 50 Hz	
<b>Weight</b>	19 kg	25 kg
<b>Lamp lifetime</b>	up to 16 000 h	

<sup>1)</sup> by 8 dB room absorption    <sup>2)</sup> Silent-Mode    <sup>3)</sup> 700 m<sup>3</sup>/h

### Ideal for (but not limited to)

- Retail and large warehouses
- Nursery school, college and educational facilities
- Office and meeting rooms
- Reception and waiting areas
- Sports and indoor recreational facilities
- Treatment, nursing and medical facilities
- Hotels and restaurants
- Retail and large warehouses



Functionality of UV-C disinfection

### Recommended number of UVC SterilVentilation\*

Air quality [Air exchange/h]	Window ventilation	tilted window			shock ventilation			mecha-nical ventilation					
		0,25	0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
Room size [m <sup>2</sup> ]		24			48			72					
Number of people [-]		2	3	5	3	6	9	6	9	12			

□ no device    ■ 1 UVC-400    ■ 2 UVC-400/ 1 UVC-1000

\* Based on a model of RWTH Aachen, 2020  
 (Flow rate 300 m<sup>3</sup>/h, room height 2.8 m, occupancy time 8h)