

## Advantages of Salus technology!

The decisive difference to other interior cleaning devices on the market is that our devices not only professionally filter the air of the room and sterilize it with UVC light, but also disinfect the room air with an extremely reliable technology in "**continuous mode**". In "**intensive mode**", all surfaces are also disinfected reliably and intact!

### How do we calculate the system performance, where/how shall we apply Salus?

In order to achieve a good air distribution, a correct placement of the device is required.

Positioning it in the middle of the room would be ideal, but this is often difficult to achieve. In order to increase the device efficiency, three movable outlet tubes are attached to the device. With a fan, the air which is taken in is distributed through these three outlet tubes throughout the room. Ultrasonic atomization produces very fine aerosols with water (particle size 0.5nm) when humidified or disinfected.

- **HEPA & UVC mode:** (High Efficiency-Particulate Airfilter, UVC light with a wavelength of 254nm) it does **not produce harmful ozone**.

**System performance:** max. 1600m<sup>3</sup>/hour, to achieve good air quality, please consider at least two air circulations. (750m<sup>3</sup> aver. 270m<sup>2</sup> x 2.7 meters interior height)

The device has a "pre-filter" that protects the sensitive HEPA filter from mechanical contamination.

The weekly cleaning must be strictly adhered to. You are welcome to remove the dirt with a vacuum cleaner, but it is best to wash out the filter weekly with detergent and apply the replaceable filter until drying. Please, provide the customer with two or three such filters!

Please make sure that the machine must not be exposed to direct dust!

- **Continuous mode:** In continuous mode, the device output is increased to 2000 m<sup>3</sup>/h, as no air circulation is required. In this mode, exactly 0.1ppm (parts per million) = 0.3mg chlorine dioxide are dosed into the air of the room by means of a high-precision dosing pump. It is the same **highly reliable technology** that we find in our drinking water every day and thus consume. (The most common chlorine dioxide application is found in the treatment of drinking water)

**System performance:** approx. 2000m<sup>3</sup>/hour (depending on the ambient temperature)

For this purpose, an optimal distribution of the spray mist through the blow-out tube must be ensured. If this can not be guaranteed, the device capacity should be reduced to about <1800m<sup>3</sup>.

Please do not worry about the spray coming out of the 3 pipes, most of it contains the water we need for dispersal.

Volume: In ultrasonic atomization, the system power is temporarily increased to achieve the required scattering of aerosols in the room.

- **Intensive mode:** Salus reliably disinfects **all surfaces!** Without damaging them?

In intensive mode, we use three times the amount of chlorine dioxide dose, 0.3 ppm.

**Important! No persons/animals etc. may be present!**

The premises may only be entered if:

**1.** After the end of the intensive mode, you must wait four hours before entering the premises and then ventilate briefly!

**2.** After the intensive mode has elapsed, take into account an exposure time of **30 - 60 minutes!** Then you can enter only in protective clothing (overalls resistant to chlorine dioxide, mask, glasses, gloves, etc.) and 30 minutes of shock ventilation is required!

**System power:** approx. 1000m<sup>3</sup>/ application (depending on ambient temperature)

700m<sup>3</sup> – 900m<sup>3</sup> is a good average. It depends again on a good distribution of the spray material in the room!

- **Air humidification mode:**

Humidity is very important for our health and well-being. The drier the air, the lighter it is, so pathogens can float in the air for a longer time.

There is a so-called recommended average of 40-60% humidity (RH) of the room air. You should set the humidity setting on the device to at least 40%.

**System performance:** approx. 3.6 litres/hour. (depending on the ambient temperature)

- **CO<sub>2</sub> (carbon dioxide) sensor:**

The higher the carbon dioxide concentration is in the indoor air, the worse the air quality is. Please ventilate the room when the CO<sub>2</sub> value rises!

Important: Please note that the device cannot influence the CO<sub>2</sub> value!