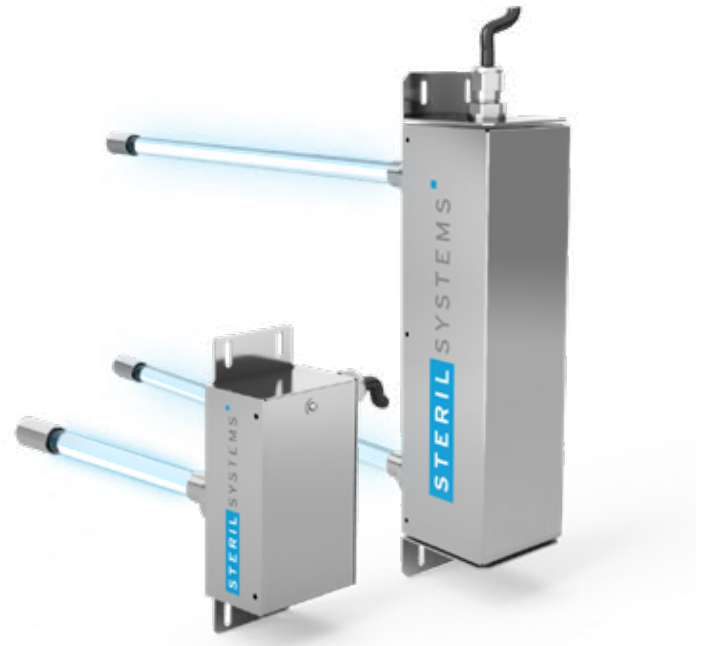




# AIR STERILISATION DEVICE

## KB1 & KB2

The economical KB1 and KB2 system serves the disinfection of the air stream in central air-conditioned- and ventilated installations, as such the KB2-System is designed for larger facilities. Undesired microorganisms like germs, yeast, and mould spores created there, also entering from the outside air, are distributed evenly in living-, processing- and work areas and may lead to health risks of people and to contamination in the manufacturing processes for goods. The Sick-Building Syndrome and infections can be reduced with the KB system UV-C-air disinfection device and it substantially contributes to meeting the hygiene requirements of the VDI-Guideline 6022.



## Construction

The KB1 and KB2 air sterilisation module is delivered as a ready-to-install mounting unit with the appropriate emitters. Housing and the insides are manufactured completely from stainless steel. Two drill holes are applied on the ventilation housing/channel and the device can be fastened from the outside with two fastening latches. With the KB2 system the fastening latches can in addition be turned by 90°. In this way, the entire unit with the flanges can be bolted to the inside ventilator wall.

On the KB system the cable is led to the outside via a cable gland. The moisture protected UV-C-emitters are placed inside the ventilation housing or –channel without causing substantial loss of pressure. The entire function- and operating electronics are accommodated in the emitter housing. If a fault occurs, it is displayed via indicator lamps.

## Technical data

Type	KB 1	KB 2
Dimensions	H 47 × W 72 mm emitter lengths 200 - 600 mm	H 75 × D 75 × L 334mm emitter lengths 200 - 600 mm
Housing Material	Stainless Steel V2A	Stainless Steel V2A
Emitter	1 × UV-C-emitter ST1 16,000h high efficiency	2 × UV-C-emitter ST1 16,000h high efficiency
Power	7 - 29	7 - 29
Voltage	230 V ± 10% 50..60 Hz	230 V ± 10% 50..60 Hz
Electrical connection	3 m	3 m
Weight	0,7 kg	1,8 kg
Identification	CE	

## The advantages at a glance

- ✓ Highly effective against bacteria, yeast, viruses and mould
- ✓ Free of chemicals or other residue
- ✓ No chemistry, ozone- and residue-free
- ✓ Integrable into existing work processes