



lindab | we simplify construction



UVC Air Disinfection Box

A weapon in the fight for cleaner air and better health

LHUV





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Description

The LHUV range of UVC air disinfection boxes kills virus particles quickly and greatly reduces possibility of transmission. Purification ions are generated and emitted into the space actively decomposing harmful pollutants efficiently and comprehensively with no secondary pollution and without noise.

The high quality unit is reliable and can easily be installed and maintained in a variety of applications including residential homes, offices and schools.

Medical UVC germicidal lamp

The customised ultraviolet germicidal lamp can concentrate high intensity to kill bacteria and viruses in a short time.

The wavelength of 254nm is easily absorbed by living organisms.

The DNA or RNA, which acts on the organism's genetic material, destroy the DNA/RNA to kill the bacterial and virus



Medical Photocatalytic Filter

The germicidal UVC light irradiates photocatalytic material (dioxigentitanium oxide) to combine water and oxygen in the air for photocatalytic reaction, which will quickly produce a high concentration of advanced germicidal ion groups (hydroxide ions, superhydrogen ions, negative oxygen ions, hydrogen peroxide ions, etc.).

The oxidising and ionic properties of these advanced oxidation particles will decompose the chemically harmful gases and odours quickly, subside the suspended particulate matters, and kill the microbial contaminants such as viruses, bacteria, and mould.

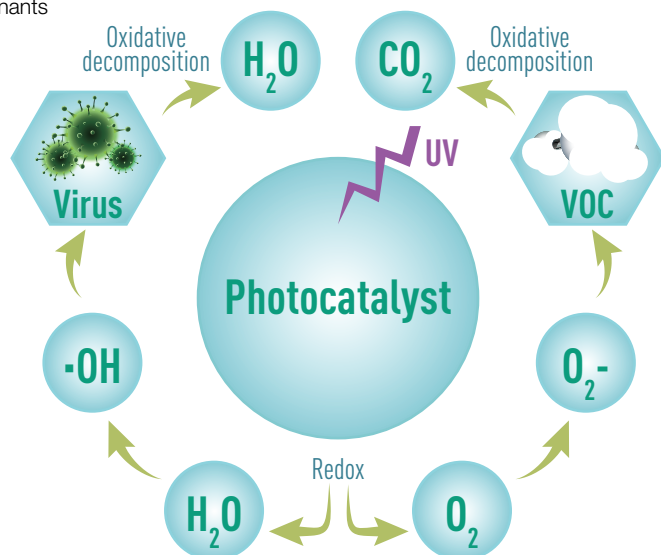


12000 HOURS

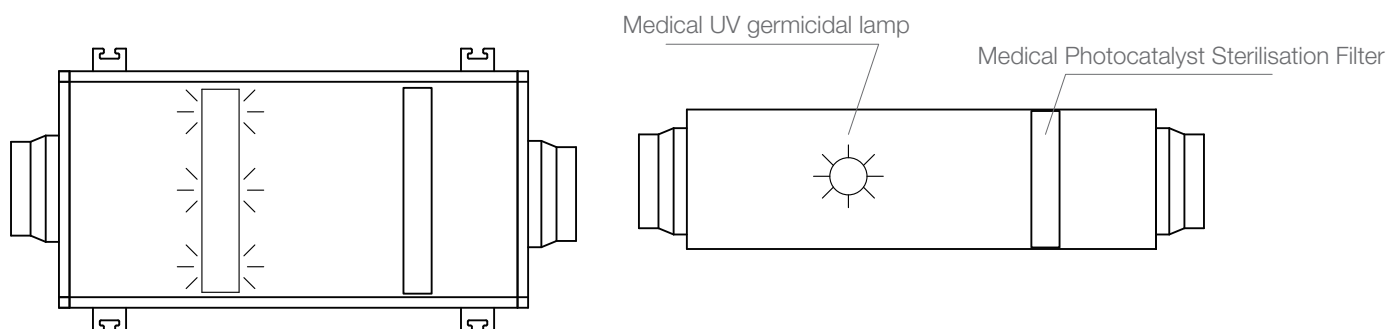
Average lamp lifetime to 12000 Hours

UV<25%

Low UV depreciation: less than 25%, after 8000 hrs working time, the lead of domestic products.

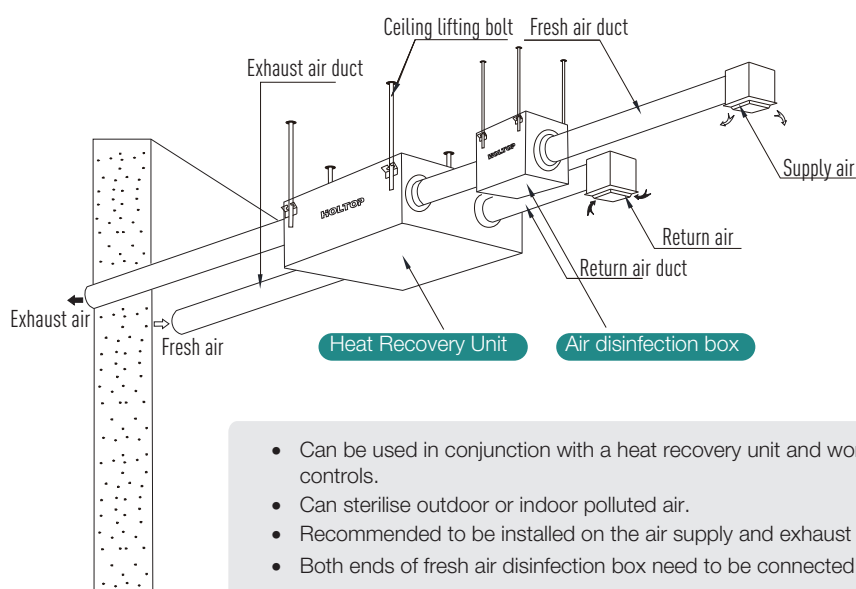


Technical Data



Model	Disinfectant airflow (m³/h)	Power (W)	Duct diameter (mm)	Access port size (mm)	Machine size (W*H*D)	Weight (KG)
LHUV150	≤ 400	4	Ø 150	400x400	400x330x200	5
LHUV200	≤ 800	4	Ø 194	500x500	602x460x270	10
LHUV250	≤ 1300	6	Ø 242	550x550	650x520x388	12

Installation Instructions



- Can be used in conjunction with a heat recovery unit and work together with combined controls.
- Can sterilise outdoor or indoor polluted air.
- Recommended to be installed on the air supply and exhaust ducts first.
- Both ends of fresh air disinfection box need to be connected to the main pipe with hoses.



Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

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