



Professional system for the sanitization of the lift car in a few minutes, by using two different technologies with certified components

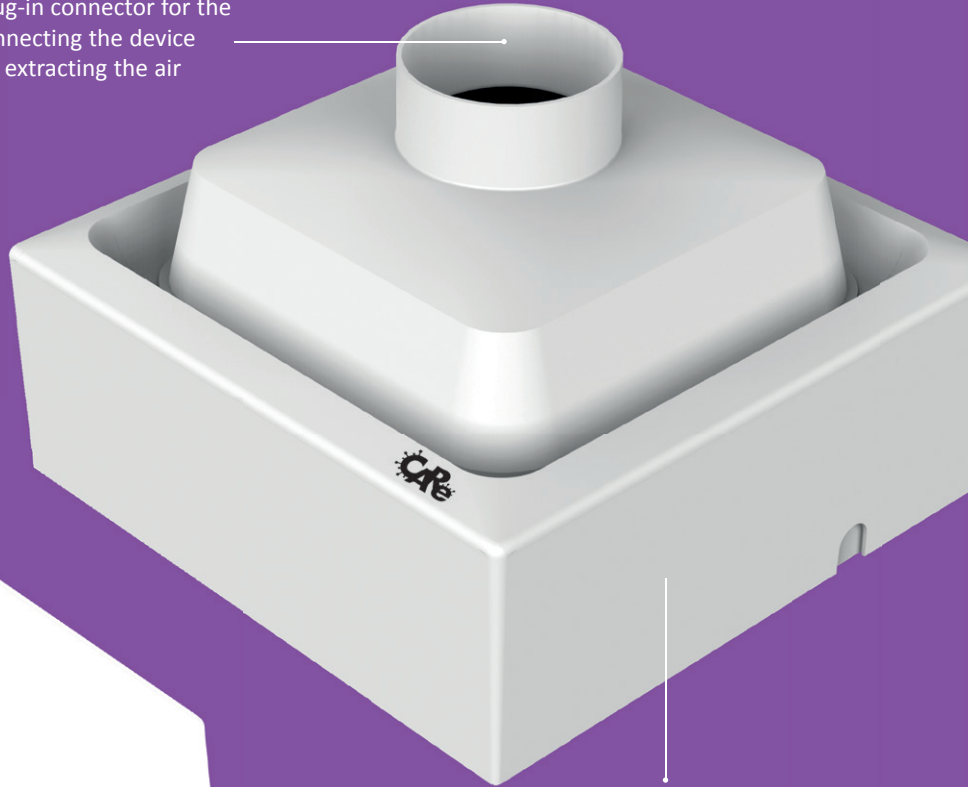
TECHNICAL SPECIFICATIONS

The Air

MOTOR | Mechanical ventilation device provided with centrifugal electric motor for continuous and near instant air exchange.

- Power: 28 W, single-phase
- Voltage: 220-240 V, 50 Hz
- Flow: 1 m³/min
- Pressure: 177 Pa
- Weight: 1.5 kg

INLET VALVE | Plug-in connector for the flexible piping connecting the device to the inlet valve, extracting the air from the lift car.

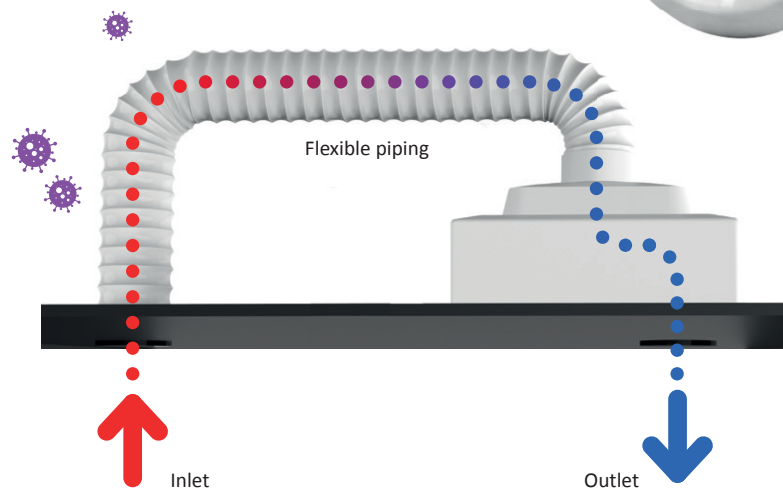
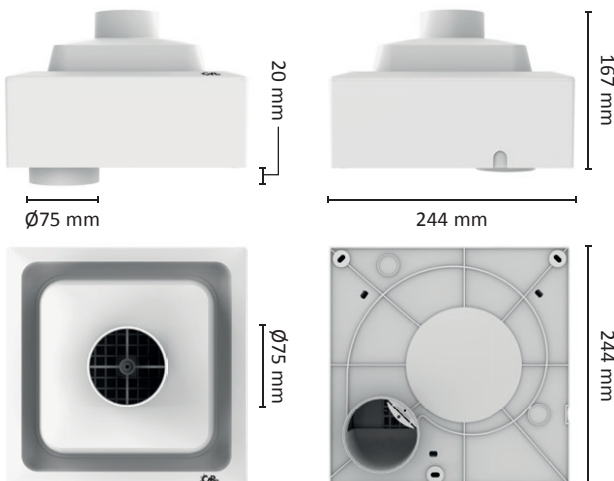


FILTER | Absolute HEPA filter for cleaning the exhaust air.

- Filter capacity: $\geq 0.5 \mu\text{m}$
- Filtering package: h 20 mm

OUTLET VALVE | Plug-in connector for the outlet valve: filtered and purified air is released back into the car.

VALVES | ABS components with slim and refined design. The inlet and outlet valves are adjustable and installed by simply pressing them in the car ceiling.





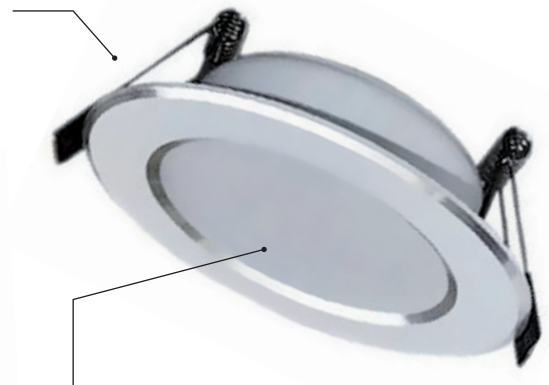
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TECHNICAL SPECIFICATIONS

The light

UVGI LAMP | The ultraviolet UV-C light beam of the LED lamp guarantees a complete sterilisation of surfaces and objects in the lift car.

- Power: 3W
- Average lifetime: over 50,000 hours



UV-C LIGHT | The ultraviolet light removes almost any (99.9%) microorganism from car surfaces.

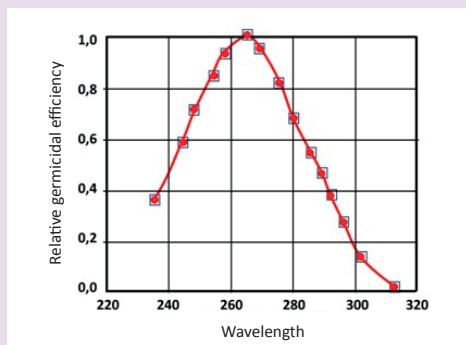
- Wavelength: 200÷275 nm
- Germicidal efficiency peak: 260÷270 nm



LED | The LED light guarantees the safety of users and operators, as well as energy saving advantages and longer lifetime.

Nowadays, mercury lamps are widely used for sanitization purposes and feature a 254 nm wavelength UV emission, while the germicidal efficiency peak ranges from 260 to 270 nm, next to the UVB spectral range.

UVC LED can be chosen between 275 and 280 nm, i.e. adjusted to the most efficient wavelength.



Response curve to the sanitization germicidal activity
Source: CIE (International Commission on Illumination) - Report on Ultraviolet Air Disinfection



MOTION SENSOR | The CARE system is self-standing and totally safe. The activation of the germicidal light occurs during the stand-by phase, when there are no passengers in the car. The proper operation of the LED spotlight is guaranteed by a double technology volumetric motion sensor.



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