

FLEXIBILITY FOR A SAFE CABIN ENVIRONMENT



UV PURIFIER VENT

RETROFIT OR CUSTOMER ORDER



UV STERILIZATION SOLUTIONS

Valeo has developed the world's most powerful air sterilization system for all types of buses. Upon activation, the system eliminates, in a single airflow cycle, more than 95% of viruses, including COVID-19, as well as any bacteria or mold present in the air circulating in the cabin. This stand alone unit is ready to retrofit current vehicles or be customized to your new vehicle order.

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UV PURIFIER VENT

HIGHLIGHTS



Safety

- Scientifically tested UV-C technology
- Shaker tested shock resistance
- Use of special, very thick, quartz glass tubes and reliable lamp fixation to prevent glass breaking
- Teflon coating of the lamp to prevent splinters or contained liquids
- Specific box design prevents UV stray light from leaving the box



Efficiency

- Using high performance UV-C lamps
Wavelength of 254nm, with the highest germicidal effect
no ozone produced
- Irradiation time, dose, blower speed and geometry of the units are coordinated to reach a status of almost "virus-free" leaving the device
- High inactivation rate of more than 95% of viruses



Installation and Maintenance

- Easy "plug and play" installation
- Modular-autonomous operating-disinfection boxes (in-cabin)
- Reliable longlife operation of UV-C lamps (up to 12,000 hrs.)
- Maintenance-free, no consumables, e.g. no filter change necessary

German Engineered High Quality Designed

- This product was designed and tested in Germany.
- The UV-C Lamps are shatterproof.
- **Does not produce ozone:** Tested by 2 independent universities.
- Assembled in the USA.



TECHNICAL DATA

	UV Purifier VENT
Box Dimensions L x W x H (in.)	33.46 x 13.78 x 4.33**
Total Fan Capacity (free-blowing)	approx. 200m ³ per hour each box
UV-C Lamps - 24V	70 W Electrical performance 26 W Optical performance
Weight (lbs.)	20

DISCLAIMER

Valeo UV purifier solutions do not provide sanitization of surfaces. It reduces the load of active germs in the air passing through the system. These UV devices reduce the bulk concentration of microorganisms circulating in the airstream. In general, UVGI equipment located inside a bus air conditioning system or in a separate box, does not completely eliminate the presence of viruses or microorganisms from the circulating air in the passenger cabin. More than 95% efficacy for the air that passes by the lamps in a recirculation mode is possible, but not 100%. This UVGI equipment does not replace Personal Protective Equipment (PPE). It will not protect a passenger from other passengers, and it will not protect a passenger from touch point surfaces. The used UV lamps only treat the air that passes within the lamp's range. This system only treats microorganisms passing through the unit; any viruses or bacteria carried by larger droplets might not pass through the unit. The inactivation rate is calculated from measurements of UVGI treatment with bacteria and among other viruses with SARS-CoV-2 on surfaces and transferred to a treatment rate of virus in air, by respecting the average doses of Kowalski UVGI handbook from 07-2020. This calculation method is verified by scientific experts in the domain of clinic SARS-COV-2 disinfection.



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