

SANIXTRANSPORT

Continuous cycle air sanitizer for public transport



TONALI E.A. proposes a continuous sanitization system for the air inside public transport (buses, subways, coaches, trams, ...). Based on an innovative, patented technology, it uses an innovative method for sanitizing the air with particular attention to the safety of people, avoiding the use of violet and UV wavelengths, which are harmful to health.

It can also be integrated on vehicles already in circulation, always running even in the presence of people; reduced consumption and noise.

This technology has obtained CERTIFICATIONS issued by the most important Italian and European laboratories for the killing of:

- VIRUS: family of Coronaviruses which include viruses such as SARS-CoV and SARS-CoV-2 (COVID-19)
- BACTERIA
- NO_x (nitrogen oxides)
- VOC (Volatile Organic Compounds) such as formaldehyde



TONALI E.A.
Energia & Ambiente

The solution to sanitize the air inside buses, subways, ...

Gloves, masks, spacing and hand sanitization. But in the air we breathe there may still be viruses, bacteria, pollution. The **SANIXTRANSPORT** system proposed by TONALI E.A. allows **the killing of viruses, bacteria and pollution**. Once positioned inside buses, subways, trams, coaches, **the filter sanitizes the ambient air in a continuous cycle (24 hours a day)**. Harmful organic substances and those responsible for bad odors decompose. The bacteria, viruses and fungi that attack the surfaces are killed thanks to the strong oxidizing power of the photocatalyst activated by artificial visible light..



THE TECHNOLOGY

First stage of G4 filtration capable of retaining 100% PM10 and 40% PM2.5. Triple filtration stage through microporous ceramic modules. The technology uses doped titanium dioxide (TiO₂) which is activated by light generated by a special LED board calibrated on a specific wavelength which triggers oxidative photocatalysis. The spectrum of light used has been studied with particular attention to people's safety, activating without the aid of violet (400nm) and UV wavelengths, which are harmful to health.

TECHNICAL FEATURES FOR EACH DEVICE

Power	13W ±5%	Power factor	> 0.95
Rated tension	220-240V AC ±10%	IP grade	IP20
Rated air flow	22 m ³ /h	Level of electrical protection	II
Total acoustic noise	10dBA	Chassis	Stainless steel AISI 304
Rated voltage	12V DC	Colour	Brushed
Rated current	0.07A	Sizes	L 24,5 x W 10 x H 9 cm
Frequency	50/60Hz	Weight	1,650 Kg

The number of sanitizers necessary must be provided according to the number of passengers. **SANIXBUS** must be installed in positions suitable for the features of the various public transport.

MAINTENANCE

The product requires simple and periodic maintenance: cleaning of the prefilter by washing with warm water every 6 months and of the three ceramic filters by washing with hot water at 80°C every 12 months or in the oven at 350°C for 20 minutes.



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