

SEPTA to Include Lumin-Air Transit's MERV-13 Equivalent Filters on New Flyer Buses

SEPTA has specified these filters on their order of New Flyer buses currently being manufactured.

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Philadelphia: Southeast Pennsylvania Transit Authority (SEPTA) began testing of Lumin-Air Transit's filters in January of 2021. The testing showed the filters to be able to remove small and large particles from the air while maintaining high airflows through the bus's HVAC system. The filters last three times as long as standard bus filters.



SEPTA buses equipped with MERV-13 equivalent filtration by Lumin-Air Transit

Lumin-Air Transit's filters remove greater than 85% of the droplet nuclei people exhale that could contain virus and bacteria cells. This means lower risks for people of getting COVID, the flu, a common cold, and other diseases that are spread through the air.

“

The filters we're using from Lumin-Air Transit work well in providing high amounts of clean airflow over an extended period of time, keeping our riders and operators safe”

*George Sauerbaum, SEPTA
Project Engineer*

The White House's Clean Air in Building's Challenge recommends using high-quality HEPA or MERV-13 filters. The EPA recommends minimum MERV-13 efficiency filters for areas where wildfires are prevalent, since the filters remove small particles. [Lumin-Air Transit's website shows their filters removing smoke](#) recirculated in a test enclosure.

“This effort shows our commitment to the continued improvement of the health and safety condition of our riders and drivers on board our buses,” said Nsimba Zebedi, SEPTA Engineer 1.

“The filters we're using from Lumin-Air Transit work well in [providing high amounts of clean airflow over an extended period of time](#), keeping our riders and operators safe,” added George Sauerbaum, SEPTA Project Engineer.

SEPTA retrofitted 525 buses with Lumin-Air Transit's filters in 2021. SEPTA has specified these filters on their order of New Flyer buses currently being manufactured. A project to upgrade the filtration level on all of SEPTA's fleet is currently underway.

Desmond Cole, SEPTA Chief Officer of Automotive Equipment, Engineering and Maintenance said, "When exploring available technologies, we felt strongly about the need to remove contaminants and not add anything (chemicals, ions, or gases) into the air people breathe."

About Southeast Pennsylvania Transit Authority (SEPTA): SEPTA is the 5th largest overall transit system in the U.S. and provides transportation for people in the southeast part of Pennsylvania. SEPTA buses, subways, trolleys and Regional Rail (commuter rail) cover a service area of 2,200 square miles, including Philadelphia, Delaware, Montgomery, Bucks and Chester counties, and Regional Rail service reaches New Jersey and Delaware. For more information about SEPTA, please visit www.septa.org.

About Lumin-Air Transit: Lumin-Air Transit provides advanced filtration and air cleaning technology for public transportation and school buses. Lumin-Air's MERV-13+ equivalent filtration captures airborne contaminants while maintaining high air flow and extending standard filter life by 3x. No chemicals or ions are added to the air people breathe. For more information about Lumin-Air, please visit www.lumin-air.com

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