PURITY TECH
Advanced Lung-Gard®

# TRAINS METRO CARRIAGE

**PURITY TECH® – Advanced Lung-Gard®**
**Certified Air Quality for Metro and Train Carriages**

## Extremely crowded environments: air quality is a critical safety factor

Metro and train carriages are enclosed spaces with very high passenger density, where thousands of people share the same air volume every day. In these environments, air quality is essential for public health, prevention and travel comfort.

## What is PURITY TECH®

PURITY TECH® is an all-in-one air filtration system designed for high-occupancy public transport environments. It integrates into carriage ventilation and air-conditioning systems and actively reduces viruses, bacteria, pollutants and odors.

## Certified reduction of viruses, bacteria and pollutants

PURITY TECH® technology is laboratory tested by independent institutions to demonstrate the reduction of airborne viruses and bacteria, the decrease of fine particles and pollutants, and effective odor control in high-traffic environments.

## No ventilation performance loss

PURITY TECH® is tested to ensure that air purification does not cause any reduction in airflow or ventilation efficiency. Thermal comfort and proper air circulation inside carriages remain unchanged.

**Semi-annual air quality certification**

PURITY TECH® enables a six-month air certification program with periodic air testing, laboratory analysis and issuance of an official Test Report confirming system performance.

**Transparent communication to passengers**

Following certification, plaques or informative stickers can be installed inside carriages or near doors, clearly communicating the commitment to passenger health and safety.

**Why air certification matters in metro and train carriages**



Reduces the spread of viruses and bacteria in crowded enclosed spaces



Improves the quality of air breathed during travel



Reduces odors and typical transport-related contaminants



Increases passenger comfort and confidence



Supports public health and prevention policies

**PURITY TECH®**

Invisible technology making everyday travel safer.