

AdvanTech Clean Air Filter

For improved indoor air quality



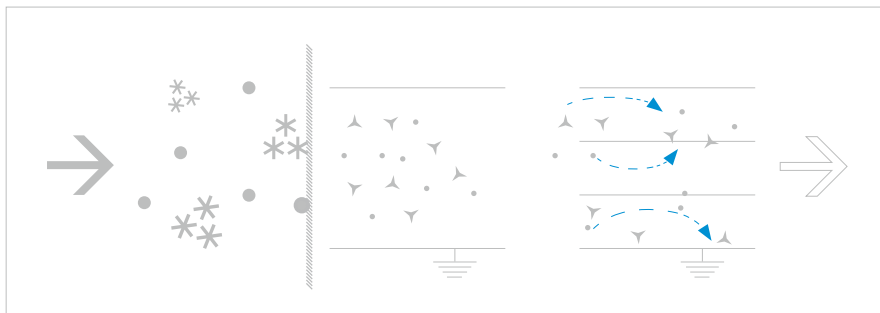
Description

Thermo King offers AdvanTech options that enhance end-user experience as well as create differentiation in terms of industry trends and comfort. These solutions have been developed to address passenger needs for improved air quality and noise reduction.

Features

- Powerful electrostatic filter with unique engineered design
- Ability to ensure removal of fine particles (PM 2.5)
- Constant filtration efficiency
- Faster pull down because of negligible resistance to air flow
- Significantly extended air filter maintenance period
- Long lifetime (10+ years) reducing/eliminating need for spare parts

Principle



1. Pre-filter traps big particles

2. Particles are ionized

3. Ionized particles are removed in electrostatic field



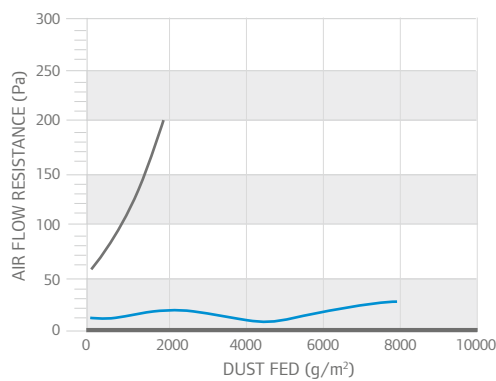
AdvanTech, an innovative HVAC solution for buses. Customers should look out for units that include AdvanTech, Thermo King's latest technology for HVAC buses. AdvanTech reduces the total cost of ownership by limiting downtime and allowing control over the balance of comfort and the costs associated with operation. AdvanTech units are Thermo King's most energy efficient units for the capacity they deliver, which results in a dramatic reduction in fuel consumption. It is this fuel efficiency, which makes for a substantially reduced impact on the environment, which has earned AdvanTech units their green leaf logo.

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Technical data

ADVANTECH CLEAN AIR FILTER	
Filtration efficiency. Test standard EN 779, ASHRAE 52.2	E1.0 = 40% (avg. 0.2 to 1.0 micrometer) E2.5 = 50% (avg. 0.2 to 2.5 micrometer)
Air flow resistance	10 Pa
Electrical power requirements	1.5 A at 24 V DC
Power consumption	20 W
Weight	10 kg
EMC compliance	EN 50121-3-2 and EHK10
Corrosion compliance	EN 60068
Ozone compliance	EN 60335-2-65
Maintenance	Pressurized water
Filter grade equivalent	G4 or MERV 10

AIR FLOW RESISTANCE

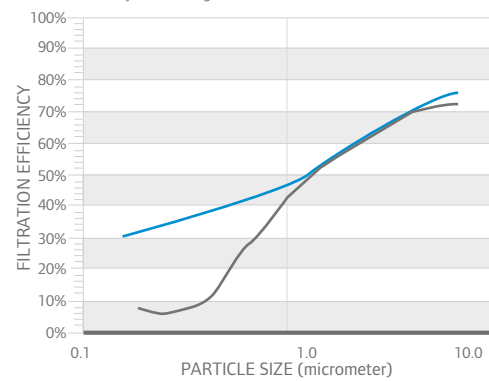


■ AdvanTech Clean Air Filter
■ Standard bus filter mat

**Very low and constant air flow resistance despite increasing level of dust
Allows much longer filter maintenance interval**

FILTRATION EFFICIENCY *

* when filters loaded by dust 1000 g/m²



■ AdvanTech Clean Air Filter
■ Standard bus filter mat

Outperforms standard bus filter especially despite increasing level of dust



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Ingersoll Rand - Lenneke Marelaan 6, B-1932 Sint-Stevens-Woluwe, Belgium.
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