

# APPLICATIONS

High efficiency low resistance antibacterial nanofiber air filter (special for V-shaped HEPA filter H13) can be used in air filtration system. The filter media is expected to reduce energy consumption and operating costs significantly.

Save HKD 205.47 in electricity costs per 1,000 square feet every month  
Equivalent to saving 66% on electricity costs or energy consumption



Save 42.5% in maintenance costs per filter annually

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# NONWOVEN FILTER MEDIA



## SPECIAL FOR V-SHAPED HEPA FILTER H13

TNCA-21

# KEY FUNCTIONS & BENEFITS

## IMPROVED AIR QUALITY

Nanofiber has a significantly high specific surface area, effectively capturing airborne particles, bacteria, and viruses. It achieves a filtration efficiency of over 99.95% for the most penetrating particle size (MPPS), meeting H13 standards, and also removes VOCs offering better air quality improvement than traditional H13 filters.

## REDUCE THE RISK OF PATHOGEN TRANSMISSION IN AIR

Functional nanofiber effectively eliminates bacteria, fungi, and viruses, reducing the spread of airborne pathogens. It helps create a safe and hygienic environment even during peak epidemic periods.

## LONGER FILTER LIFE

Nanofiber has a significantly high specific surface area and the antibacterial treatment helps prevent microbial growth on the surface of the nanofibers. This extends the filter's lifespan and reduces the time and cost required for maintenance.

## ENVIRONMENTAL BENEFITS

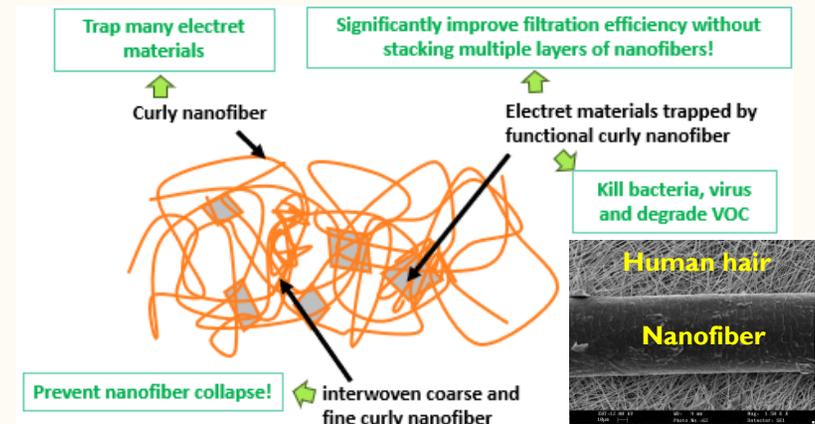
Nanofiber has an extremely high porosity and very low resistance, significantly reducing the energy consumption of air conditioning systems. Also, nanofiber has a significantly higher specific surface area which achieves exceptionally high filtration efficiency with minimal materials such that reducing the burden of waste disposal.

## HIGH VERSATILITY

The product can be used independently as a pre-filter membrane or combined with other filtration materials to produce air filters of various grades.

# ADVANCED TECHNOLOGY

## NASK NANO ELECTRET-INCORPORATED CURLY NANOFIBERS



Filtration Level	Air resistance (Pa@5.3cm/s)		
	Traditional Filter (e.g. glass fiber)	NASK Nano	
E12	≤ 200	≤ 80	↓60%
H13	≤ 300	≤ 100	↓66%

