







The Fresh air filtration filters are made of a full-body germicidal material to prevent viral, fungal and bacterial airborne particles and aerosols from causing contagion in IAQ and HAVC system. The high efficiency air filtration media readily remove particles at the range between 0.1 μ m and 10 μ m within which the highly contagious droplets and aerosols must be neutralized within 20 minutes contact time.







The Latest COVID-19 virus studies guided in World Health Organization (WHO) have identified that stopping airborne virus adhered aerosols and particles transmission are critical controlling and prevention in COVID-19.

Once the filters capture the virus, it is neutralized through the mechanism based on metal ions and natural herbal extracts which prevents disease transmission and air contaminations. The virus interacts with the metal ions and natural herbal extracts followed by a biological chain reactions that it causes viral cell layers rupture, protein denaturation and nucleotide malfunctions. Under these circumstances any of the pathogens can cause less health and safety issues to human.

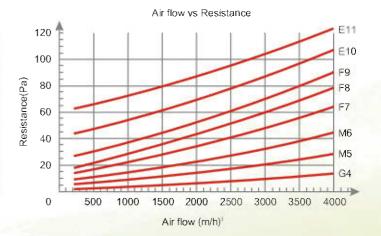


The Fresh[®] air filtration filters technology is a high efficiency air filtration media embedded with bactericidal technology.

Functions: The Fresh[®] air filtration products immediately exhibit virucidal, fungicidal, bactericidal properties as metal ions and natural herbal extracts are jointly destroy the viral, fungal and bacterial cells. The metal ions and natural herbal extracts can complementarily rupture the cell layers and expose the microbial cell vulnerable to antimicrobial materials, allowing the protein and nucleotide deactivation. Therefore, the pathogens of all kinds are neutralized in short contact time.

General Technical Paramerers

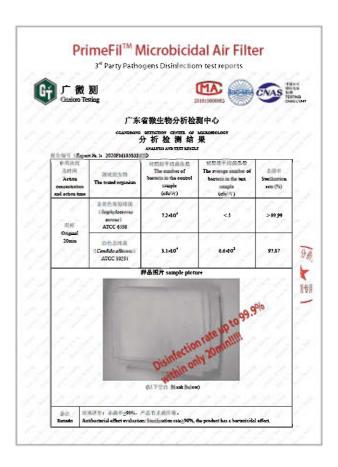
Filtra	ation Class: G4-E11 (EN779/EN1822)
Filtr	ation Efficiency: up to 99%
Resi	stance to temperature: ≤60°C
Hum	nidity: ≤100%RH
Insta	antaneous temperature resistance: $\leq 100\%$



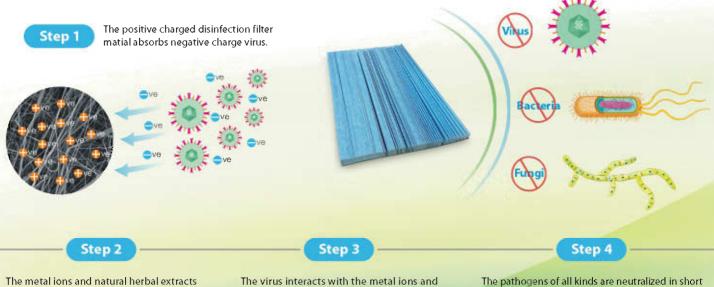
Dimension Availability (Basic dimensions, other can be customized)

Filtration Efficiency(%)	Nominal Size(W*H*D)(inch)	Actual(W*H*D)(mm)
	12*24*2	287*592*46
Up to ePM1@85% or 95%	24*24*2	592*592*46
(ASHRAE52.1)	12*24*2	305*610*46
	24*24*2	610*610*46





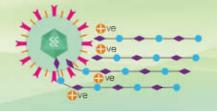
Principle of Air disinfection



The metal ions and natural herbal extracts can complementarily rupture the cell layers and expose the microbial cell vulnerable to antimicrobial materials.

The virus interacts with the metal ions and natural herbal extracts followed by a biological chain reactions that it causes viral protein denaturation and nucleotide malfunctions.

The pathogens of all kinds are neutralized in short contact time.









Guangdong Fresh Filter Co., Itd (Known as Fresh Filter) is a leading edge manufacturing company specialized in Air purification field since 2007, The company has developed to a multi-role business entity incorporated with product R&D, manufacture, sales and after sales services.

With more than a decade constant development in reaching technical breakthroughs, Fresh Filter has developed inflaming retarding multifunctional ceiling filters which meet EU standards and codes, Fresh Filter also developed diverse EU standard filter products such as pre-filter, medium efficiency filter, HEPA filter, activated carbon cloth and filter products series, fiber glass(LH/PA), pocket filter, HEPA filter as well as medium efficiency filter panels. Fresh Filter products are widely applied in coating production line, automobile, furniture coating booth, high-tech, electronic workshop, surgery operation ward and laboratories.

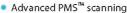
With a geographical transport network convenience in Danzao, Nanhai Foshan, where close to major Pearl River Delta deep sea ports, Fresh Filter has been expanding solid business worldwide, our product footprint have reached more than 55 countries world wide, such as, the U.S., U,K Japan, Germany, Spain, Swizerland, Italy, Netherlands, Australia, Poland, Russia, Singapore, India, U.A.E, Malaysia, Thailand, Philippines, Chile and etc. In domestic market, we have sales footprint among 23 provinces, 4 major mega cities, and 5 municipalities.

In the future, Fresh Filter will strive to the vision "to build a cleaner world".

With market demand driven concept and enhanced entrepreneur spirits to develop and deliver core technic centralized products to worldwide customers. A new era is on its way for Fresh Filter® to grow new business together with our global and domestic clients/partners.

Excellent Quality Achieved from every step of strict process control.







In-house Lab/Cleanroom



Hepa Paper Pleating









3rd Party Testing Certificates (Europe & Taiwan) -













National Patents and Product Innovations -









— Quality and Product System Certificates —



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