



Air Conditioner Filter

Powered with Graphene-Silver Nanotechnology



Turn your AC into room purifier
Kills Virus and Bacteria



Anti
Microbial*



Removes
Bad Odour



Removes
Harmful VOC



Filters
Air Pollution
PM 2.5

Protect
your
family



Upto
99%**

- ◆ Bacterial filtration efficiency
- ◆ Viral filtration efficiency
- ◆ Polluting gases filtration efficiency
- ◆ PM 2.5 filtration efficiency



*NM Graphene-Silver Membrane tested as per ISO 20743 & ISO 18184 at certified laboratories.

**G1 AC Filter with NM Graphene-Silver membrane tested as per AATCC-100 & ASTM F2101 at certified laboratories.

What is VOC and its sources?

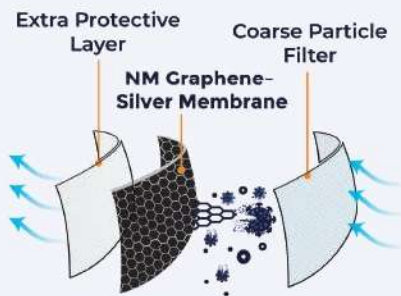
Volatile Organic Compounds (VOCs) are a large group of chemicals that are found in different products used in our daily lives like cosmetics, fuel, gasoline, air fresheners, cleaning products, or used at home in building materials like paints, varnishes etc. VOCs have harmful effects on health and once released in the air, they hamper the air quality thus making it unfit for breathing and may lead to breathing problems.

Particulate matter, its sources and harmful effect

Particulate matter are micro particles of solids suspended in the air, they could be coarse or fine and are released from numerous sources, including dust and other small particles from construction. Acute exposure to particulate matter may lead to serious cardiovascular and respiratory diseases.

What is Graphene and how does it function?

Graphene is an allotrope of carbon, its derived from graphite. It's a wonder material which has numerous uses and properties. The edges of Graphene atom act as a series of electrically charged, sharp-atomic thin blades. When microbes come in contact with these edges, their cell membrane ruptures thus killing them.



G1 AC Filter mechanism

The outer layer consists of coarse particle filter that sieves the dust particles, threads and lint from the air. The middle layer is made up of antimicrobial NM Graphene-Silver membrane, it removes the microbes, pollutants, odor, VOC and other particulate matter from the air.

Installation Instructions for G1 AC Filter



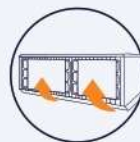
- 1 Clean your plastic mesh AC screen.



- 2 Place G1 AC Filters vertically onto the center of the screen, cut if extra allowing gaps on each side.



- 3 Use the double sided adhesive tape to secure the filter to the screen.



- 4 Re-install the mesh screen with G1 AC filter back on the AC.





Protection by different AC FILTERS

Pollutant type (By size)	GASES Volatile Organic Compounds(VOC)	FINE PARTICELS Dust, Pollens, spores etc.	ULTRA FINE Bacterias, Viruses & Other Microbes	
			Capture	Destroy
Method of Air Purification				
Ionizers	✘	✘	✘	✘
UV Radiations	✘	✘	✘	✓
Gas Adsorbants (Activated Carbon)	✓	✘	✘	✘
HEPA Filters	✘	✓	✓	✘
Graphene Based Air Filters	✓	✓	✓	✓

✓ : Good Protection

✘ : Limited Protection

✘ : No Protection

VOC - Volatile organic compounds (VOCs) are emitted as gases from certain solids or liquids.

Eg - Benzene, Formaldehyde, Toluene, Hexane, Mercaptan and Xylene.

Protected by
GRAPHENE[®]
INSIDE



3 Sheets
for AC
25.5x17.5cm

Installation Instructions



1. Turn the power off at the main switch.
2. Open the front panel of the air conditioner.
3. Insert the filter into the filter slot.
4. Close the front panel.

HOW IT WORKS



Water Protection Layer
Clear Particles
with Adsorption
Silver Nanotechnology

Air Conditioner Filter

Kills Virus and Bacteria



99%
Virus and Bacteria
Killing Efficiency

- Anti-Microbial
- Removes Bad Odour
- Reduces Harmful VOC
- Filters Air Pollution PM2.5

Compatible with most A/Cs Powered with Graphene-Silver Nanotechnology

- 99% Bacterial filtration efficiency
- 99% Viral filtration efficiency
- 99% Polluting gases filtration efficiency
- 99% PM2.5 filtration efficiency

