

Air purifying stages:

1. The High Efficiency Electrostatic Pre-filter catches the fine size dust particles of 0.1 micro-meter up to 65%
2. The **GS AEM5700** (US-EPA Registered) antimicrobial coated pre-filter function to prevents bacteria and virus growth up, as the first step of bacteria and virus kill process.
3. A series of **IC Pro** Photo catalytic filter and Cold Type Photo catalytic filter function to desolve fine Toxic Chemical like VOC, HCHO and also help to kill bacteria & Virus
4. Activated carbon filter will absorb odors, chemicals and gases.
5. **IC Pro** 20mm TRUE HEPA Filter – H13 (EN1822) Standard function to capture as small as 0.3 micro-meter (1 / 300) of our human hair. Being of the capture design, it can also capture most of the Bacteria that usually surround us. (Most of the common Bacteria size are around 0.4 – 0.5 micro-meter or above).
6. Patented Electrostatic Precipitator function to capture fine dust particulates as small as 0.01 micro-meter (1 / 10,000) of our human hair. So it is the most efficiency design to remove "Cigarette Smoke". Being of the powerful capture design, it can also capture most of the Virus that usually surround us. (Most of the common Virus size are around 1 – 2 micro-meter).
7. Installed with 2 nos. of Powerful UVC (253.7nm wavelength) Sterilizing Lamp (Average Ultraviolet Intensity: 24,422 microwatt/cm² / Germicidal Ultraviolet Dose: 5,152 microwatt.sec/cm²) help as a final protection to further increase the killing efficiency of Bacteria & Virus up to 99%. Our UV lamp efficiency may over more than 10 times powerful than normal used domestic grade UV lamp.
8. Patented **MnO₂** Honeycomb Catalytic Filter function to deodorize of bad smell and oxidizing of chemical, which is 5 – 10 times powerful than traditional absorption type carbon filter, and also with long service life time up to 3 Years.
9. Patented **IC ChemPro** Catalytic Filter function to desolve different kind of chemical including: Acetic acid, Acetone, Acrolein, Acrylonitrile, 1,3 Butadiene, Butyric acid, Carbon disulfide, Chlorine dioxide, Cresol, Cyclohexanone, Diethylamine, Dimethylamine, Ethanol, Ethyl acetate, Ethyl acrylate, Ethylamine, Formic acid, Hydrogen chloride, Isoprene, Isopropanol, Methanol, Methyl acrylate, Methyl disulfide, Methyl ethyl ketone, Methyl mercaptan, Methyl sulfid, Methyl vinyl ketone, Methylamine, Nitroglycerine, Ozone, Phenol, Skatole, Styrene, Sulfur trioxide, Trichloroethylene, Tri hylamine, Trimethylamine, Vinyl chloride, VOC and Formaldehyde.
10. **IC Pro Nano-Silver** Antimicrobial Filter function to increase the killing efficiency and prevents bacteria and virus growth up. Function by strong Oxidizing process, Silver Iron (+Ag) will break down most of the bacteria and virus cell and destroy the micro-organisms finally.
11. Anion Generation Device function to provide fresh air to our environmental, making it feel like the pure, fresh and invigorating air of the countryside.



UV Lamp



Cold PCO Filter



PCO Filter



Carbon Filter



HEPA Filter



ChemPro Filter