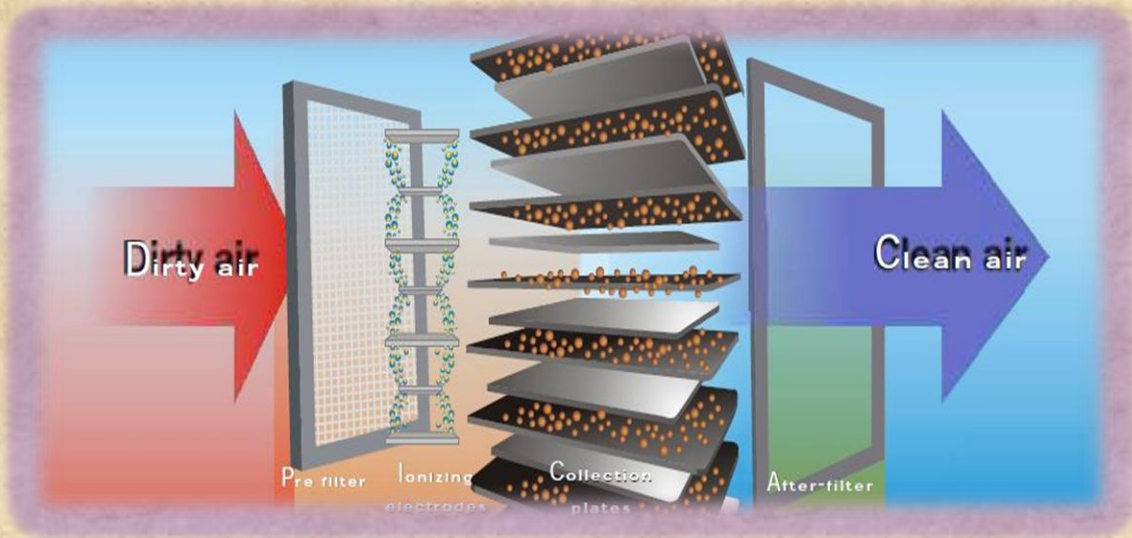


ELECTROSTATIC AIR FILTER



Model M-03 Modular Electrostatic Air Filters



FILTER-ON is a manufacture of Fumes & Smoke Filtration System and customized systems based on Electrostatic Precipitator Technology.

How does it work?

ESP consists of two sets of parallel plates – one section called ionization & other section as collection section. The plates are connected to high voltage and thus there is strong high voltage electric field between the parallel plates. When the particle laden air stream enters the ionization section, the particles in air stream are ionized and acquire positive charge because of the high voltage electric field & corona discharge. These positive particles then enter collection section, which consists of alternate +ve & -ve electrode plates. The positively charged particles are repelled by +ve plates & get attracted on –ve plates and stick to the –ve plates. Thus the particles in air are separated and filtered air flows out of this system.

FILTER-ON offer various product range at a principle of Electrostatic Precipitator Technology.

1. **Welding Fume Extractor System**
2. **Oil Mist Collector**
3. **Mist Collector**
4. **Soldering & Laser Marking Fume Extractor**
5. **Dust Collector**
6. **Dry Scrubber For Kitchen Exhaust System**
7. **Electrostatic Air Filter for HVAC Clean Rooms**
8. **Ambient Air Filtration For Plant Intake Air**
9. **Intake Air Filter Equipment like D.G Sets & Compressors ETC.**

Advantages of FILTER-ON ESP Systems

- **Cleaner, safer & thus more productive environment**
- **Zero replacement cost of ESP filters.**

- **Efficient Filtration of the smoke & fumes up-to 90-95%.**
- **Lower operating cost because of lower blower HP & lower pressure drop.**
- **Better compliance for pollution control & ISO14000 requirements.**