

Odour Removal with Electrostatic Air Filters

Odors are gases which are concentrated enough to be sensed by our olfactory system (nose). These gases can either be diffused in the air we breathe or absorbed on the particles, contaminating the air we are breathing. The sense of smell is extremely sensitive to minute concentration of gases.

Chloroform can be sensed when only one molecule is mixed with 36 thousand air molecules. This means that if just a few odorous gas molecules are allowed to circulate, the odor can still be detected by the human sense of smell.

Electronic air cleaners help reduce odours because

1. Some odour molecules collect on the particles which are removed by the Electronic Air Filter.
2. The low level of ozone produced by the air cleaner oxidizes some odor molecules.