FILTER MAINTENANCE GUIDELINES

Filter Life Expectancy

Particulate filters such as Pleated Filters, HEPA and ULPA filters are much like your HVAC filters. If they do not appear to be dirty and the airflow in your air cleaner is acceptable, then they do not need to be changed. For preventative maintenance, we recommend changing them every 4-6 months.

The Activated Carbon Manufacturer puts an eight-month shelf life on the carbon before it could possibly go "Stale" or become ineffective. On average, an 8 hours per day application has an estimated filter/activated carbon life of about 3 - 4 months.

How to tell when the Carbon is no longer Effective

With activated carbon it is usually the smell test. When the odor or fumes are noticeable, it is time to replace. If you are conducting air sampling, the results could also indicate when to replace the activated carbon based on PEL.

Another way is the weighing procedure below.

Activated Carbon will adsorb about a 1/3 (33%) of its own weight on chemicals in which it is rated High Capacity on the carbon capacity index.

If going this route, you would weigh your entire metal module when you receive it. For example, if the module contains 15 lbs. of carbon, the carbon is no longer effective after it weighs roughly 5 additional lbs. When it comes time to replace, you can purchase a preloaded carbon module, or a jug of loose activated carbon.

Steps for Re-filling the Adsorption Module

1. Wear dust mask & gloves
2. Unscrew the side cover on one side of module, and empty
3. Funnel the new replacement carbon into the cavities of module
4. When you have reached the top of the module you must gently tap the sides and bottom of module to get the carbon to settle, then fill in carbon and repeat
5. You want the module packed tight full of carbon so there are no fumes that can escape through unfilled sections (give it a shake. If there is no noise or movement then it is packed tight)
6. Check with your local municipality on disposal of the used carbon