



## Carbon Facts:

- Canfilters provides you with 99.9% odor removal for 18 months @ 99.9% effectiveness
- Canfilters Carbon will gain 10-15% of its own weight with odor particles (*when expired*).
- 10-15% weight gain is the absolute limit when dealing with weight gain percentages (*It doesn't get any better*)
- Canfilters Carbon is 99.9% effective in environments below 80% humidity
- Canfilters Carbon does not absorb CO2!
- Canfilters gives you the most carbon for your dollar
- Canfilters uses specific carbon for specific odors
- Canfilters de-dust our carbon prior to filling the canisters (*clean – non-toxic environment*)
- Canfilters carbon is scrutinized for maximum quality control (*brittleness – CTC # - Moisture levels etc...*)
- Canfilters canisters are filled on an industrial shaker – timed intervals with a dual extraction vacuum to ensure a carbon bed that will never settle
- Canfilters provides the customer with the most suitable carbon for the job
- Canfilters are made in North America



## Sizing a filter and fan to a growing room

Two different methods are used to treat the grow room.

\*The following are only suggested guidelines.

- 1 Exhausting the room.
- 2 Scrubbing the room. (RECIRCULATE)



**1—EXHAUSTING:** Carbon filters are great to use in your grow room. Since you need an air exchange any way why not sterilize your room in the process? Match the CFM of the filter to the fan, attach it to the fan intake, exhaust the opposite end of the fan outside the grow room and you are ready to go. All carbon filters have a recommended CFM, it is important not to exceed the recommended CFM as the filter will not sterilize the air properly. When mounting your carbon filter it is best to mount the filter high in the grow room to allow any hot air to be filtered first. **If mounted and connected properly your fan and filter will accomplish three things:**

- (i) Act as an air exchange in your grow room
- (ii) Decrease the temperature by taking out hot air
- (iii) Sterilize by killing mold spores, pathogens, and deodorizing

Typically, you will want to exchange the air in your grow room every five minutes. To figure this out use the formula Length x Width x Height = Cubic ft, then Divide by 5 to get your recommended CFM (*Cubic Feet per Minute*) (Example 8ft x 12ft x 8ft = 768 divided by 5 = 153.6 so you would need at least a 153 CFM fan/filter combo to exhaust your room) 1-3

**2—SCRUBBING:** Sometimes, people prefer to "Scrub" with carbon filters, rather than "Exhaust". Scrubbing is simply having a filter and fan inside the room, but not exhausting the air outside. For instance, the filter could sit on the floor with a fan attached to the top pulling air from inside the grow room through the filter then back out, recirculating the grow room air through the filter continuously, thus keeping the air clean. **Note that scrubbing requires a higher CFM than exhausting.**

\* Another rule of thumb is to have between 150 CFM—200 CFM per 1000 watt bulb



DO NOT EXCEED

